

THE TUNED CIRCUIT

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

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**April TC
Deadline:
Monday
March 29th**

Next Meeting - **7:00 PM March 3rd 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, March 13th, 2021.

THE VICE PREZ SEZ

COVID-19 restrictions have eased a bit so the March 3rd 2021 general membership meeting will again be **IN PERSON** at the Tucker Senior Center. We will also attempt to provide [Zoom video conferencing](#), access to the meeting. This will be the first try using Zoom at the meeting and we are not sure how well this will work out. The plan is to connect a laptop to the big screen TV at the front of the room so those at the Senior Center can see the remote participants. Zoom supports joining without video, so if you at least have computer audio, you can still connect and participate with the Zoom app.

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, and it should work.

I (Dale/K8RO) would be happy to attempt to assist anyone that is not sure how to get on Zoom, or if they can get on. Please call me at 248-563-4497, and I will do what I can to assist. I can have a special Zoom session so you can check out Zoom before the meeting.

Zoom Invitation Details:

Topic: Dale McGorman's Zoom Meeting

Time: Mar 3, 2021 07:00 PM Eastern Time (US and Canada)

Join Zoom Meeting (by clicking this link)

<https://us04web.zoom.us/j/75580747853?pwd=b3dzclZiUVBBekRDdklMnk9QZWFuZz09>

Meeting ID: 755 8074 7853

Passcode: 90YG7S

The March LCARC meeting will be **LIVE at the Tucker Senior Center and available via [Zoom](#) video conferencing on Wednesday, March 3rd, 2021 at 7:00 PM.**

Report of the Secretary

by Marty / K8HVI

Meeting Call to Order:

The President Elect, Dale/K8RO, called the February 3rd, 2021 LCARC general membership meeting to order at 7:00PM on our LCARC 2 meter repeater and via Zoom meeting (No meeting at the Tucker Senior Center due to Covid-19). Dale interfaced the audio between the 2 meter repeater and the Zoom meeting.

Roll Call was taken and we had 14 members present:

Dale/K8RO, Tom/WU8C, John/N8FYL, Fritz/KE8BFW, Russ/N8HAR, Keith/W8KD, Lito/K8AJJ, Mike/N5WCS, Carl/W8WZ, Ken/KD8RJN, Ted/K8EO, Marty/K8HVI, Henry/N8AT, Vince/WA8BIJ

Guests: Steve/K8BZ, Hal/W8HJP, Dave/KE8PJT

No FCC license upgrades this month.

Dale noted that Brian Cox, N8TC (formerly WA8QAF) became a silent key in December 2020. Brian was an active LCARC club member when he lived in Utica and was a past president of the club.

Ken/KD8RJN made a motion to approve the January 2021 meeting minutes as printed in *The Tuned Circuit*. It was seconded by Mike/N5WCS. Motion passed.

Treasurer's Report: by Gregg/N8GEO (emailed report to Dale):

Where's Doug: by Doug/N8PYN: No Doug and no events.

Total amount in the account is	\$5,778.91
The Youth Fund has	\$365.00
The Repeater Fund has	\$161.54
The Repeater Project has	\$3,190.96
Total amount available (unallocated) is	\$2,061.41

Net Points: Clem/W8VO (emailed proxy to John/N8FYL) — 3750 W8VO

QSL Report: Dale/K8RO

Nothing new to report. Slow because the club did not operate N8LC for Winter Field Day this year.

Membership and Tuned Circuit Report: by John/N8FYL:

71 members, (includes 9 life members and 3 free)

The March *Tuned Circuit* deadline is Feb. 22, 2021.

Old Business:

No Board Meeting is currently scheduled for this month.

Swap Update: Russ/N8HAR

Plans to register the club swap with ARRL this month.

(Continued from page 2)

Repeater Site Update

Ken/KD8RJN completed the installation of the 2nd electronic thermostat in the remaining repeater cabinet.

Dale/K8RO stated the temperature in there is set too high because we are getting a very large electric bill now. We should lower it to about 40 degrees. Ken will send out the directions to set the temperature on the thermostat.

New Business:

No new business

Close Meeting:

Fritz/KE8BFW made a motion to close the meeting. It was seconded by Carl/W8WZ. Motion passed

Dale/K8RO closed the meeting at 7:26pm.

Program: A presentation by Steve/K8BZ on “What is [Winlink](#)”

Board Meeting Minutes

Submitted by Marty, K8HVI

Meeting Call to Order:

The LCARC Vice-President (Dale/K8RO) called the February 17th, 2020 LCARC board meeting to order at 7:30 PM. Meeting was held via ZOOM.

Present were: Doug/N8PYN, Marty/K8HVI, Dale/K8RO, Vince/WA8BIJ, Gregg/N8GEO, Bob/KA8VSI, John/N8FYL, Mike/N5WCS, Keith/W8KD, Lito/K8AJJ

We talked about the club’s reflector “LcRadioClub@groups.io” and the need to monitor activities. Dale will send in an article for *The Tuned Circuit* about the use of the email reflector. In general, anyone is allowed into the group. Non-club members will have a higher level of moderation/oversite. Currently, the moderators are Dale/K8RO and John/N8FYL.

Dale brought up the need for the club to organize and host VE testing from within our club. We need to find someone to lead the testing activities. Until a leader can be found, Gregg/N8GEO will work to set up the next testing session on March 15th.

A question came up if our club is in good standing with the ARRL as a Special Service Club. Keith/W8KD said he will follow up with the Michigan ARRL group coordinator to work on getting us current.

Dale stated we need a program for next month’s general membership meeting as we don’t currently

(Continued on page 4)

(Continued from page 3)

have a Program Chairman. Marty/K8HVI recommend we have Dave/N6WY give his presentation again. Dale will follow up with Dave.

The group agreed to hold the next general membership meeting at the Tucker Senior Center. Dale/K8RO will lead getting Zoom running at the meeting. He will bring a laptop and connect it to the large TV. He will point the camera to the board members. Dale will pick a day in the prior to the meeting to go test the setup at the Tucker Senior Center. Gregg will get the key for this. [Editor: the setup was tested on Wednesday, February 24, 2021. It seems to be feasible!]

Repeater Update: Dale/K8RO and Marty/K8HVI went to repeater to work on the noise coming over the 2 meter repeater. We believed the wires on the heaters are coupling with the repeater. Also, the repeater electric bill has been very high the last couple months. It was around \$80 in December and \$75 in January. Dale went to the repeater and saw that the insulation board had fallen off the repeater cabinet and the entire room was very warm. Since then, Marty installed an entire blanket of insulation over the entire repeater cabinet. Marty also cleaned the air conditioner vents and installed insulation in them and sealed them off, and also insulated the coax exit panel. Thus the room and cabinets are very well insulated. Next, Dale and Marty reprogrammed the thermostats to turn on the heaters when it gets below 37.4 deg. Fahrenheit and turn them off at 46.4 deg. Fahrenheit. [The thermostats are in Celsius so 37.4F is 3C and 46.4F is 8C, hence the decimal degrees F. Editor] The insulation and the new lower temperature, should significantly reduce electric consumption. Note, we still need to get the internet connection working again with the fire station. This will require a meeting with the Fire Chief to get approval to install a router in their library room and then run that through our wifi link (ubiquity) back to the repeater building.

Gregg/N8GEO stated the PayPal has been working just great for people paying their dues. PayPal is once again charging the sender a fee to use the service. We don't see it as a problem.

Gregg/N8GEO stated he completed sending the Knights of Columbus a \$100 donation and sending the Tucker Senior Center a \$100 donation also. Gregg also sent in our club insurance payment for the year.

John/N8FYL stated that Russ/N8HAR provided the new 2021 swap flyer to be put in the club website and newsletter.

Gregg/N8GEO will send out info on the new club VE testing sessions to be published on the club website. Marty/K8HVI will add it to the club website.

The group talked about getting a single cloud storage location for all the clubs electronic documents (Tuned Circuits, Meeting Minutes, Pictures, Club position files, etc.). Agreed to have everyone to look at what options are out there and come back with recommendations.

Board meeting adjourned at 9:20pm

MARCH 3RD MEETING IN PERSON!!!

The March meeting will be in person with ZOOM video conferencing access. See the ZOOM details in [The Vice Prez Says on page 1](#).

The planned program is a reprise of the Dave, N6WY, talk about his paper that was published in the [2020 ARRL/TAPR Digital Communications Conference](#) proceedings. The title of his talk and paper is "Forward Error Correction and Pictures from Mars". Those on Zoom should be able to see the visuals as well as hear the audio, perhaps even better than those present at the meeting.



Meeting time is 7:00 PM



Membership Report

Following the February meeting purge of members who did not renew, we have 69 members, of which 9 are life members.

We welcome back to the club, Hal/W8HJP. Hal is Russ/N8HAR's brother and was a long time member of the club until he moved out of the area several years ago.

John / N8FYL – 02/24/2021



LCARC VE Testing Schedule for 2021

L'Anse Creuse ARC has secured the Tucker Senior Center for our 2021 VE testing. The Tucker Senior center is located at 26980 Ballard St, Harrison Charter Township, MI 48045.

The Center will open at 6pm and testing will begin at 6:30pm on the following nights.

March 15 – June 21 – September 13.

December 5 we will be holding a VE session at our swap.

Spread the word and start studying for that upgrade.

73, Good Luck and hope to see you there.

Gregg / N8GEO

New phishing attack uses Morse code to hide malicious URLs

Provided by Matt/KD8LLT

See this item from [BleepingComputer](#) about the nefarious use of our beloved (well not beloved by all hams hihi) Morse Code!

<https://www.bleepingcomputer.com/news/security/new-phishing-attack-uses-morse-code-to-hide-malicious-urls/>

LcRadioClub@groups.io

Submitted by Dale / K8RO

The [LcRadioClub@groups.io](https://groups.io/g/LcRadioClub) is a group that was created to replace the old Yahoo group. It is a great way to get information out to club members about club events and other club happenings. It was NOT intended to be a Facebook type of group (there is a club Facebook group available). It is intended to be a business like group to exchange information pertinent to the group.

I would like to encourage everyone to join. With that said, I know that many people do not join because they do not want to receive a bunch of unwanted emails. I think that it is important to only use the group for emails that pertain to the L'Anse Creuse club or ham radio information that would be of interest to club members. Examples are emails that announce a club activity, give information on club members health, or a request for information or help (putting a request for help at an antenna raising would be acceptable). Don't try and make your post funny or cute, just give the information. Make items as short and concise as possible so as not to overload the system so that some may not want to be part of the group anymore.

We have decided to accept any interested hams or persons who want to be hams, All non-club members will be put into a moderated status, as well as anyone that is thought to be overusing the group. Moderated is just that. Moderated users can still send emails to the group, but they will have to be approved by a moderator. Right now John / N8FYL & myself, Dale /K8RO are the moderators. We both monitor our email frequently, so it should not take long for moderated messages to get approved or rejected.

With this in mind I would like to encourage more of our members to join, and give the group a chance. To join go to <https://groups.io/g/LcRadioClub>, and click the "Join this Group" button near the bottom of the page.

As always, we are looking for feedback.

Dale / K8RO



The 2021 Michigan QSO Party, sponsored by the Mad River Radio Club, is from 1600Z April 17 until 0400Z April 18, which is noon to midnight EDST.

Stations may operate the full 12 hours. Phone and CW on 80/40/20/15/10 meters. Single-op, multi-op, and mobile categories. Work stations once per band and mode. MI-to-MI QSOs allowed. Work portables and mobiles again as they change county, state or province. Exchange QSO number and location (county for MI stations, state/province or "DX" for others).

Suggested frequencies: CW-3545, 7045, 14045, 21045, 28045; Phone-3825, 7200, 14250, 21300, 28450. One point per phone QSO, two points per CW QSO. Count multipliers once per mode.

Multipliers are MI counties for all entries, plus states, provinces and "DX" for MI entries only. Final score is total QSO points times total multipliers.

Submit logs no later than 30 days after the contest. Electronic logs in Cabrillo format are submitted via the Log Submittal page on the MiQP web site <http://www.miqp.org/submitLogFileMiQP.html>. Mail paper logs with summary sheets to: Mad River Radio Club, c/o Ron Majewski W8RU, 3463 Pinehaven Road, Commerce, MI 48382.



From ARRL <http://www.arrl.org/news/arrl-to-extend-field-day-rule-waivers-from-2020-add-class-d-and-e-power-limit> 02/01/2021

The COVID-19 pandemic-modified **ARRL Field Day** rules from 2020 will continue this June with the addition of a power limit imposed on Class D (Home Stations) and Class E (Home Stations-Emergency Power) participants. The news from the ARRL Board's Programs and Services Committee comes as many clubs and groups are starting preparations for Field Day in earnest. Field Day 2021 will take place June 26 – 27.

“This early decision should alleviate any hesitancy that radio clubs and individual Field Day participants may have with their planning for the event,” said ARRL Contest Program Manager Paul Bourque, N1SFE.

For Field Day 2021:

- Class D stations may work *all other* Field Day stations, including other Class D stations, for points. This year, however, Class D and Class E stations will be limited to 150 W PEP output.
- An *aggregate* club score will be published — just as it was done last year. The aggregate score will be a sum of all individual entries that attributed their score to that of a specific club.

ARRL Field Day is one of the biggest events on the amateur radio calendar. Last summer, a record 10,213 entries were received.

“With the greater flexibility afforded by the rules waivers, individuals and groups will still be able to participate in Field Day, while still staying within any public health recommendations and/or requirements,” Bourque said.

The preferred method of submitting entries after Field Day is via the web applet. The ARRL Field Day rules include instructions on how to submit entries, which must be submitted or postmarked by Tuesday, July 27, 2021.

Gregg / N8GEO has received confirmation from Addison Oaks for our traditional Field Day site. We are good to go for June 25,26,27. John / N8FYL has (per Gregg's request) put N8LC on the ARRL [Field Day Station Locator](#). June will be here in 4 short months so start your planning soon.

Capstan Winch Central To This All-Band Adjustable Dipole Antenna

by: Dan Maloney

from hackaday.com Feb 23, 2021



The perfect antenna is the holy grail of amateur radio. But antenna tuning is a game of inches, and since the optimum length of an antenna depends on the frequency it's used on, the mere act of spinning the dial means that every antenna design is a compromise. Or perhaps not, if you build [this infinitely adjustable capstan-winch dipole antenna](#). [Editor: follow this link for lots more details]

Dipoles are generally built to resonate around the center frequency of one band, and with allocations ranging almost from “DC to daylight”, hams often end up with a forest of dipoles. [ADOMZ]’s adjustable dipole solves that problem, making the antenna usable from the 80-meter band down to 10 meters. To accomplish this feat it uses something familiar to any sailor: a capstan winch.

The feed point of the antenna contains a pair of 3D-printed drums, each wound with a loop of tinned 18-gauge antenna wire attached to some Dacron cord. These make up the adjustable-length elements of the antenna, which are strung through pulleys suspended in trees about 40 meters apart. Inside the feed point enclosure are brushes from an electric drill to connect the elements to a 1:1 balun and a stepper motor to run the winch. As the wire pays out of one spool, the Dacron cord is taken up by the other; the same thing happens on the other side of the antenna, resulting in a balanced configuration.

We think this is a really clever design that should make many a ham happy across the bands. We even see how this could be adapted to other antenna configurations, like [the end-fed halfwave](#) we recently featured in our “\$50 Ham” series.

Brian Cox, N8TC (Ex-WA8QAF) SK

Morrie/N4LZ on 02/01/2021

I just received my March 2021 QST and listed in the Silent Keys is a former LCARC member - Brian Cox, W8TC (Ex- WA8QAF). Brian passed away 11/28/20 during a bicycle trip in Grayling, MI.

There is a very nice write up in the Cherryland ARC newsletter. Go to cherrylandarc.com and look under Archives - January 2021. [Editor: As of 2/25/21 the January 2021 issue is not currently available on their web site.]

I remember Brian well from when we did the special event station in Mt. Clemens at the train station. He had a great sense of humor and was an excellent CW operator. Worked him many times during the MIQP.

73 - Maurice, N4LZ

LCARC - HELP WANTED

submitted by Gregg / N8GEO

Title: Presentation Master [also known as Activities Manager Editor]

Looking for a highly skilled, creative person to assume the responsibility of preparing and scheduling our monthly presentations. Not a hard job (hey I did it), but it needs to be done. Presentations are an important part of our monthly meeting. They are educational, entertaining, and fun to watch or participate in. Contact Gregg, (N8GEO.Ham@gmail.com) if you are interested. Really, it is not hard, very easy stuff.

Title: Net Control (Net Master LOL)

Looking for a skilled person. Must be able to talk, write, key a microphone, and tell time. This is a once-a-month job on the second Tuesday of the Month at 8:30pm on our 2-meter repeater. Another no brainer job. Fritz/KE8BFW handles it and so do I.

Contact Gregg, (N8GEO.Ham@gmail.com) if you are interested. The hardest part of this job is remembering when it is your turn and showing up to do it.

Title: Volunteer Examiners

We need a few good folks to help with VE testing at our quarterly test sessions. You must have a General class or higher license to be a Volunteer Examiner. You will need to be ARRL VE certified. The certification is pretty easy to obtain. Go to the ARRL website and read how to get certified (<http://www.arrl.org/volunteer-examiners>). If you are already accredited with a VEC organization outside the ARRL, you must submit a copy of your accreditation certification along with a completed [ARRL VE application](#) ([interactive version available](#)).

I would like to get 8+ people certified. We can then pull from a pool of people so the same people don't have to do it every time.

Contact Gregg, (N8GEO.Ham@gmail.com) if you are certified already or when you get certified.

For those of you that are already certified and your certification is still active, please let me know if you can work the March 15th, VE test session.

Future Programs & Activities

"The Phantom" — Activities Manager

- | | |
|----------------|--|
| March 3, 2021 | Regular meeting night at the Tucker Senior Center.
Meeting also available via ZOOM video conferencing!
Presentation on "Forward Error Correction" by Dave/N6WY |
| March 15, 2021 | VE Test session at the Tucker Senior Center. Doors open at 6 PM, testing at 6:30PM |
| April 7, 2021 | Regular meeting night |
| April 17, 2021 | Michigan QSO Party —NOT Easter weekend! |
| May 5, 2021 | Regular meeting night |
| June 2, 2021 | Regular meeting night |
| June 26, 2021 | ARRL Field Day—N8LC will be at Addison Oaks County Park again. |

L'Anse Creuse ARC Board Members – 2020

President

John Slobodnik, N8NXW
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jrslobodnik@hotmail.com

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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 March 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

Club Committee Chairmen

ARRL HF Awards Manager	Tom Mathison	WU8C	Little Bay Awards	Dale McGorman	K8RO
ARRL HF Awards Assistant	Vince Cuker	WA8BIJ	Meeting Refreshments	Russ	N8HAR
ARRL VHF/UHF Awards Manager	Allan Koch	KA8JJN	Membership Chairman	John	N8NXW
Call Sign ID Tags	Gregg Crump	N8GEO	TC email distribution	John Huber	N8FYL
Christmas Party	Cathy Chauvin	KC8WVK	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	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. *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 VE sessions at the Tucker Senior Center for March 15, June 21, and September 13. Doors open at 6 PM, and testing begins at 6:30 PM. Contact Gregg Crump
n8geo.ham@gmail.com

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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 13 sessions spanning the time until a year from now. I have included the blurb about then two in December to the right in the space normally filled with Upcoming Swap information.

Online Practice Exams:

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

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

<http://www.ah0a.org/AHOA.html>

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

There are NO known ham fests in our area to list at this time. The flyer for the L'Anse Creuse swap has been posted to the club web site: www.n8lc.org/swap_flyer_2021.pdf

Upcoming VE Exam Sessions

- 03/14/2021 | [Shelby Township MI 48317-1307](#)

Sponsor: U.S.E.C.A ARC
Date: Mar 14 2021
Time: 12:00 PM (Walk-ins allowed)
Contact:

(586) 758-0764

VEC: [W5YI VEC](#)

Location: Packard Proving Grounds
 49965 Van Dyke Ave
 Shelby Township MI 48317-1307

- 03/15/2021 | [26980 Ballard St, Harrison Township, MI 48045](#)

Sponsor: L'Anse Creuse ARC
Date: Mar 15, 2021
Time: 6:00 PM (Walk-ins allowed)
Contact: Gregg Crump n8geo.ham@gmail.com
Location: Tucker Senior Center
 26980 Ballard St,
 Harrison Charter Township, MI 48045

- 04/11/2021 | [Shelby Township MI 48317-1307](#)

Sponsor: U.S.E.C.A ARC
Date: Apr 11 2021
Time: 12:00 PM (Walk-ins allowed)
Contact: James J. Marek

Email: wi8w.ve@gmail.com

VEC: [W5YI VEC](#)

Location: Packard Proving Grounds
 49965 Van Dyke Ave
 Shelby Township MI 48317-1307

It appears that the U.S.E.C.A. sessions are EVERY second Sunday of the month. Currently showing through 05/09/2021 on the ARRL list.

There are some others, but they are farther away (Livonia and Wyandotte) so check online to get details about them.

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
					Mike, AC8ER	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**

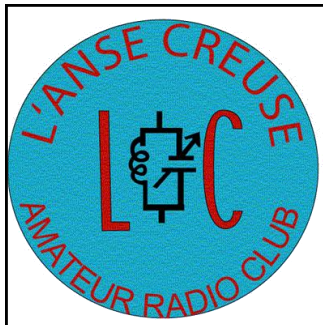
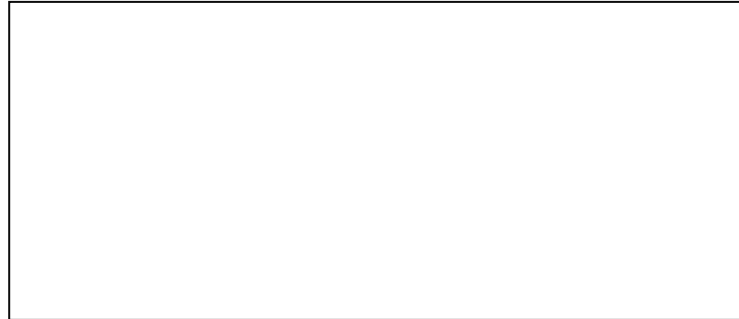
Class License (Circle One)

Novice Technician Tech+
General Advanced Extra

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

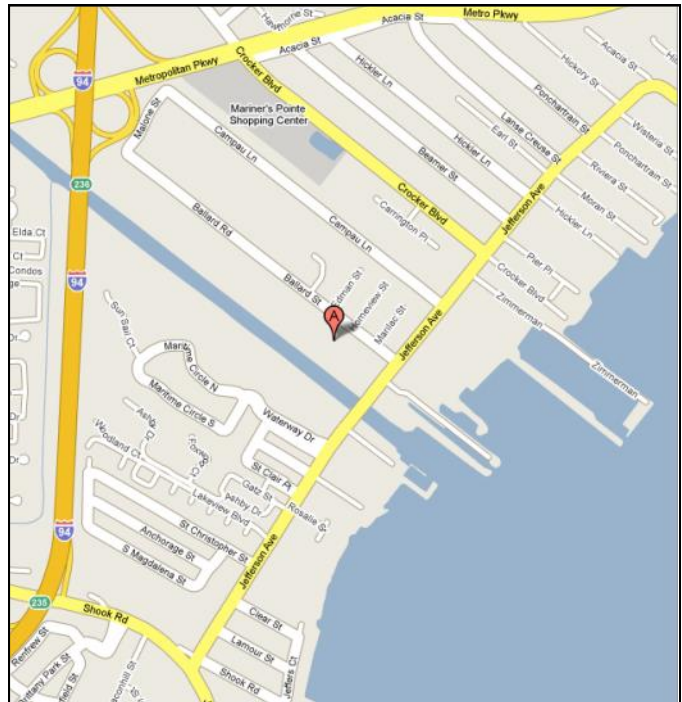
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<http://www.n8lc.org>

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.