

THE TUNED CIRCUIT

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

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**May TC
Deadline:
Monday
April 22nd**

Next Meeting - **7:00 PM April 3rd 2019** at the Tucker Senior Center (see [last page](#) for map and address).

Meeting Program - The program for our April meeting will be as reported on [page 5!](#)

The NEXT board meeting will be on Wednesday, May 8th, 2019.

THE PREZ SEZ

The best news this month is the weather is starting to move closer to spring temperatures. I am looking forward to getting some things done on the antennas, grounding, and lighting protections.

I spent some time playing with Raspberry Pi's and setting up a hotspot. Now I can start shopping for a digital HT. If I do not find something I like in the next month or so then it will be off to Hamvention in May.

This is also the time to start making your plans for Hamvention. If you are a Ham and have not made it there, it is a must attend at least once, so try to make it this year or put on your bucket list for next year. Even if you are not in the market for anything new or used, just seeing the new technology coming out and people watching makes it a great weekend.

It is also time to start making plans for the Fox Hunt at our June meeting. It is a fun time and after the hunt we will be going to Bentley's Roadhouse for dinner. It will be a short meeting, then fox hunting, then dinner. Not a bad evening as part of the hobby.

The best thing about where Amateur Radio technology is currently is the many different modes offering a communication method in so many different forms. If you are in old school radio it is still thriving. If your interest is computers there is so much going on in the digital modes. Also the Raspberry Pi and Hot Spots are becoming the big thing offering long distance communication on low wattage handhelds. You can even enjoy ham radio from your cell phone.

I look forward to hearing some of you on the radio, seeing you at the club meeting or any of evenings out we have planned.

73 and start to enjoy the warmer weather.

Ken - KD8RJN

CQ MIQP CQ MIQP N8LC MIQP
Michigan QSO Party April 20, 2019
N8LC will operate at the Tucker Senior Center!
See the blurb on [page 5](#)

Report of the Secretary

Submitted by Dave, N6WY

Meeting Called to Order:

The LCARC President (Ken, KD8RJN) called the 6 March 2019 LCARC general meeting to order at 7:01 PM. Ken announced that the LCARC Vice President (Scott, W8CQD) had an excused absence. Scott's wife, Veronica, was recovering from a medical procedure.

Roll Call. I counted a total of 21 members responding to roll call.

Meeting Minutes Approval. Meeting minutes as in the March *Tuned Circuit* News Letter were approved after a motion made by Russ, N8HAR, and seconded by Cathy, KC8WNK.

Where's Doug?

The Michigan Crossroads Hamfest & Radio Swap located in Kalamazoo Township, Michigan is Saturday, March 16, 2019. The Toledo Mobile Radio Association (TMRA) Hamfest and Computer Fair located in Perrysburg, Ohio is Sunday, March 17, 2019.

Repeater Report:

Doug, N8PYN, reported that the repeaters required no work this month.

Marty, K8HVI, said that he improved the ECHO Link by replacing the analog connections with a digital RIGblaster hookup.

The Mi6WAN network coordination did not occur this month.

Net Points Report from Clem, W8VO:

CW Net Time Change. The 15 meter CW net on 21.165 MHz that was on Monday evenings at 19:30 Eastern time is now on Monday evenings at 20:00 Eastern time.

No net points awarded this month.

Membership and Tuned Circuit Report John, N8FYL:

Two new members joined the club this month. Membership is now at 70. The next *Tuned Circuit* deadline is 25 March.

Treasurer's Report by Gregg, N8GEO:

Total amount in the account is \$5101.61.

The Youth Fund has \$214.24.

The Repeater Fund has \$599.42.

Total Available \$4287.95.

Gregg expects to deposit a \$1290.00 check in about 3 weeks. The check is repayment for the 2018 LCARC swap radio raffle activity.

Gregg has sent a \$50.00 check to the State of Michigan for the required state raffle fees to have the 2019 LCARC swap radio raffle. We should be able to sell raffle tickets at the GMARC swap on 7 April 2019.

Old Business:

Winter Field Day. Dale, K8RO, said that LCARC earned about 15675 points. The bonus points were 4500. N8LC received 1 QSL card and 73 QSL e-cards.

Hamvention Hotel Rooms. Gregg, N8GEO, said that the last day to book a hotel room reserved for LCARC members is 30 March. If you do reserve a room and must cancel, the hotel requires you to cancel your reservation at least two days before arrival. See *The Tuned Circuit* Newsletter for details.

LCARC Official U.S. Mail Address. Currently, the LCARC has a P.O. Box for U.S. Mail. John, N8FYL, asked how much does the club pay for the P.O. Box. Gregg, N8GEO, said that the last bill he paid for the P.O. Box was \$41.00 and that was for 6 months. The yearly cost to the club for a P.O. Box is about \$80.00. Gregg said that we need a mailing address for ARRL and insurance policies. Ken said that based on the amount of mail the club receives, LCARC should not be paying for a P.O. Box. Mike, N5WCS, made the motion that the LCARC official U.S. mail address should be Gregg's (N8GEO) home address. The motion passed. The LCARC official U.S. mail address is now Gregg's (N8GEO) home address.

Donated Equipment. Russ, N8HAR, has a VHF/UHF amplifier (donated by Bob, KG8DD) that needs a power connector. During the break, several members looked at the amplifier and said that they may have a connector in their junk box.

LCARC Swap and Radio Raffle. An agreement was made during this meeting to buy the same radio for the 2019 Radio Raffle as the 2018 Radio Raffle. Russ, N8HAR, agreed to be the swap chairman for 2019 and 2020. Russ is reserving the swap

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(Continued from page 2)

location for 2019 and 2020. The 2019 swap is on 1 December 2019 and the 2020 swap is on 6 December 2020.

Vets to Hams. Ken, KD8RJN, wants the club to sponsor him in getting veterans interested in ham radio. Ken has a contact that works with veterans. Mike, N5WCS, made the motion that a Vets to Ham trial program be tried with one veteran. The motion passed.

VE Session. No February VE Session because the Tucker Center was closed for the President's Day holiday. Ken, KD8RJN, said that the VE Sessions time and location should have better advertisement. Marty, K8HVI, accepted the action item to add the VE Session information on the LCARC web site.

Show and Tell for General Meeting Program. Ken, KD8RJN, wants to have members bring in their projects for a show and tell session during the general meetings. As an example for a show and tell, Ken talked about his antenna analyzer that he made from a kit. The antenna analyzer works great and only cost \$50.00. Ken said he wants to present his antenna analyzer as a show and tell at a near future general meeting.

New Business:

Macomb Skywarn Training. Debbie, KC8WHN, made an announcement about the Macomb Skywarn Training Class. The class is near 19 and Garfield on Saturday 6 April from 9 am to 11 am. Information about this class and other Skywarn

training classes in the Detroit area can be found at <https://www.weather.gov/dtx/skywarncert>.

Michigan QSO Party. John, N8FYL, announced the Michigan QSO Party is the third weekend in April. Members had some discussion of changing the N8LC operating location from Lapeer County to the Tucker Center. Gregg, N8GEO, accepted the action item to see if LCARC can use the Tucker Center for the Michigan QSO Party.

Fox Hunt Preparation. For the general meeting program in June, LCARC has a fox hunt. Doug, N8PYN, has the fox transmitter. For the meeting place after fox hunt, Ken, KD8RJN, will check with Bentley's. The LCARC Fox Hunt is open to all amateur radio operators. The next LCARC general meeting will have more discussions about the fox hunt.

Board Meeting:

Ken, KD8RJN, announced that the next board meeting is Wednesday, 13 March at Roseann's Kitchen. The business meeting starts at 7:00 PM. You can eat before, after, or during the business meeting. See announcement in Tuned Circuit.

Program:

Scott, W8CQD, was absent tonight and his scheduled program had to be cancelled. Fortunately, Dennis, KE8FZX, brought his in-progress µBITX kit for some checking and testing and he gave an informal, impromptu, show and tell. He talked about his problems with building the µBITX kit and making a 3D printed case for the radio. Dennis had a lot of interest and discussion about his project.

Drawings:

| Winner | Prize | Winner | Prize |
|----------------|-----------------------|-------------|------------|
| Russ, N8HAR | \$16.50 (50/50 prize) | Ken, KD8RJN | Volt Meter |
| Debbie, KC8WHN | Wire Cutters | Bob, KA8VSI | Solder |
| Doug, N8PYN | Heat Shrink Tubing | Henry, N8AT | Watt Meter |
| Bill, KE8IYB | Baofeng Radios | | |

Meeting Adjourned:

Ken, KD8RJN, adjourned the meeting at 8:20 PM.

Board Meeting Minutes

Submitted by Dave, N6WY

The LCARC Board Meeting was called to order at 7:00 PM on 13 March 2019 by the LCARC President.

Attendees:

| | | |
|-------------------------------|---------------------------------|----------------|
| President, Ken – KD8RJN | Secretary, Dave – N6WY | Cathy–KC8WNK |
| Vice President, Scott – W8CQD | Technical Officer, Doug – N8PYN | Jenny Vandecar |
| Treasurer, Gregg – N8GEO | Past President, Debbie – KC8WHN | |

The board meeting was very informal, and the following summarizes the items that were discussed.

Ken is going to visit the Roseville VA center near 11 mile and Gratiot and determine if any veteran has an interest in becoming an amateur radio operator.

No contact was made with the Mi8WAN, the amateur radio Internet Protocol (IP) based network.

Gregg took an action item to visit Rose, K8VFR, about staying active on 2 meters and donating her other radio equipment to LCARC.

Ken announced ARRL now has the mailing address for LCARC as Gregg's home address.

Ken has reserved Bentley's as the location for the June after meeting and fox hunt get together. The LCARC fox hunt is on 5 June after the LCARC general meeting at the Tucker Center.

Scott talked about the Skywarn classes in the Detroit area. Scott also said that the Skywarn class is available as an online class.

Ken said that he finished his "THE PREZ SEZ" column for the Tuned Circuit Newsletter. Ken reminded all that the next *Tuned Circuit* newsletter deadline is 25 March. All agreed that Ken should submit a technical article for *The Tuned Circuit* newsletter about his \$50.00 antenna analyzer kit.

Gregg said that he will try to get permission for having a LCARC lockable storage cabinet in the Tucker Center. The cabinet will be located near the bathrooms. The cabinets could store a projector, tripod, and other items that are required for presentations. Doug said a file cabinet would work. Ken has a 4 drawer file cabinet that he can donate.

Gregg took the action item for getting permission to use the Tucker Center as the LCARC station location for the MI QSO Party on April 20.

Gregg said the LCARC should make the two yearly \$100.00 donations to the Tucker Center and the Knights of Columbus. The donations are for the LCARC use of the Tucker Center and the Knights of Columbus help with LCARC's yearly radio raffle. All board members agreed with making the donation.

Gregg said that the electric bill for the repeater shack is higher this year. Dale, K8RO, is going to check that the heat is turned down and the repeater cabinet is insulated.

Gregg said that in April, he will reserve the Field Day location at Addison Oaks.

Scott said that ARRL has a special price for a set of ARRL books that are donated to schools and public libraries. The ARRL book set retails for around \$600.00 and the special price is \$200.00. LCARC is not purchasing the books at this time. Scott took the action item to ask the Clinton Macomb Public Library if they want the new ARRL book set.

Scott said that his wife, Veronica, purchased 10 blank signs for \$38.00. These sign can be placed in the ground around Field Day and swap Locations. Veronica volunteered to make (for free) the message for the signs that indicate the LCARC event. Gregg said we need 3 signs for the swap and 5 signs for Field Day. The board agreed to pay Veronica \$38.00 for the 10 blank signs.

Gregg, said that a few years ago, someone tried to make LCARC a tax except organization which would allow people to make a tax deductible donation. Ken said he will check on the tax status of LCARC.

The meeting ended around 8:00 PM.

APRIL 3RD MEETING PROGRAM

The April program will be another attempt at a video presentation about the differences between linear and switching power supplies



MEETING time is 7:00 PM



Membership Report

We welcome Walt/WD8AXZ, and Sue/N8UJJ Harbus to the club. The two new members since the February meeting increases our membership count to 70, of which 9 are Life members. Of the 59 regular members, and 6 are enjoying the first year free experience.

John / N8FYL – 3/26/19



MI
Qso
Party



If you have ever wanted to work with the club at the Michigan QSO party this might be your year. We have secured the Tucker Senior Center for this years QSO party. The contest runs from noon on Saturday (April 20th) until midnight. It's a short contest and a fun time. We will be operating from Macomb county which the LCARC has not done since I have been with the club (1998). Come on out and have some fun at the Tucker Senior Center on the day before Easter. More to come at the club meeting on April 3rd.

73

Gregg / N8GEO

Here's a challenge for you: Put on some headphones, play this [YouTube video](#), and try to do anything else at the same time. Julio, YV1KK's 2 Band Synchronized Interleaved QSO (2BSIQ) video shows you what he's logging, while you can hear his audio from each rig in the appropriate ear. (Bob, K8IA, via Facebook and the [ARRL Contest Update of 03/20/2019](#))

We **WILL NOT** be demonstrating this at MIQP or FD. John / N8FYL



I hope you observed in the board meeting minutes that N8GEO will be making the arrangements for the LCARC perennial Field Day site at Addison Oaks County Park. Mark your calendars to reserve some time for this year's Field Day activities on the **FOURTH** full weekend of June, June 22nd – 23rd.

A Simple Project to Hold Your HT

Submitted by Ken / KD8RJN

I always had an issue with standing my HT up and having it fall over. I decided to make an HT holder that was low cost, functional and looked good on my desk. Here is what I came up with.

I started with a precut piece of wood trim you can get at any of the "Big Box" stores. The trim pieces come in white, unfinished, oak, or a number of other finishes. I decided on white as I had one of the other parts needed in white in my scrap box.

Here is the link to the base, already cut to size and it has a nice edge on it. No work required here so my kind of project so far.

<https://www.menards.com/main/doors-windows-millwork/moulding/all-unfinished-trims/mastercraft-1-1-8-x-4-1-2-x-8-wood-plinth-mouldings/p458mdf/p-1444433511863-c-7619.htm?tid=-7070388991626541704&ipos=8>

I then cut a piece of a product called Kydex. It is a solid piece of white plastic. You can use about anything you like, even clear Plexiglass to make it look like the HT is floating.

There is a company on M97 (Groesbeck) in Warren that has all kinds of plastic products. In the past I was able to find what I was looking for in the scrap bin. Super cheap or even free at times.

Laird Plastic

[WEBSITE](#)

26403 Groesbeck Highway
Warren, MI 48089
586-773-9050

I cut a few angles on the corners and screwed it to the back of the trim block. I then put on 4 clear rubber feet to protect the furniture and I was done.



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To make it look a little more professional I contacted the person that makes the club badges. I had her make up a tag to the size I needed with the basic information.

The HT sits on my deck and has never fallen over since. Success for about \$10.00 and some quality time in the shop. I hope you enjoy a shop project that is also useful for Ham Radio.

Ken - KD8RJN



Amateur
Radio
Club

Technology Expo

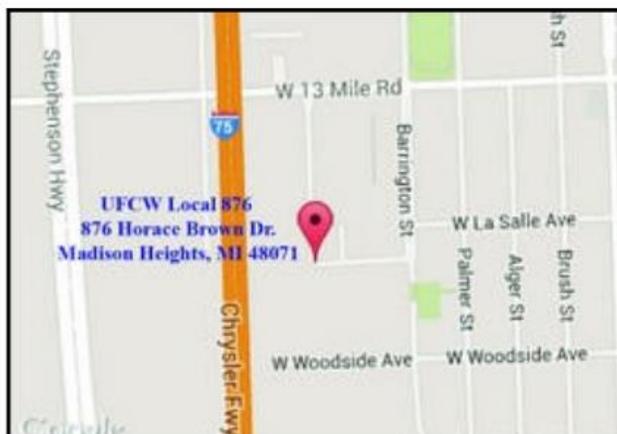
Sunday - April 7, 2019
9:00 AM until 2:00 PM

*** **HAM Radio, Computer & Robotic Maker's EXPO** ***

Madison Place Convention Ctr - 876 Horace Brown Dr - Madison Hts

WW8GM - Talk-in 443.075 MHz + 123 Hz PL
ARRL VE Testing Session - 11:00 AM
Tables \$15.00 (in Advance) • \$20.00 (at the Door)
Admission \$5.00 at the Door

Vendor set-up time with paid admission Wristband
April 7th 6:30 AM - 9:00 AM



an ARRL Approved
Hamfest

E-Mail Address: Swap@gmarc.org
Phone: Mike Carelli W8MJC (248) 835-9545
Ticket / Table Order: www.gmarc.org/technology_expo/

Note - VE Testing: Show up between 10 AM & 11 AM. Bring \$14.00 cash, photocopies of existing licenses or CSCEs (originals not accepted). Two pieces of ID are also required, one of which must have a photo. You must also provide either your Social Security number or FRN. Pre-registration is preferred but not required. Contact: Ron WD8MNX - wd8mnx@gmail.com.

Name _____ Call Sign _____
Address _____
City _____ State _____ Zip _____
Phone (_____) _____ E-Mail _____
Tickets _____ @ \$5.00 _____ Tables @ \$15.00 _____ Enclosed \$ _____

Mail to: GMARC Swap -1853 Willowood Dr - Rochester Hills, MI 48307-4356

TABLE RESERVATIONS MUST BE RECEIVED BY MARCH 27, 2019

ARRL proposes Technician License Enhancement

By Scott/N3FJP from the [N3FJPSoftwareUsers on groups.io](https://www.facebook.com/N3FJPSoftwareUsers)

In case you haven't read the complete text of the Technician enhancement proposal detailed in RM-11828, I believe it is on point and well worth the read. You will find the complete text here:

<https://ecfsapi.fcc.gov/file/1022823795806/2018%20Entry%20Level%20License%20PRM%20FINAL.pdf>

If you would like to lend your voice to this cause, just go here:

https://www.fcc.gov/ecfs/search/filings?proceedings_name=RM-11828&sort=date_disseminated,ASC

If you don't want to type a document, just click Express on the left and you can enter your thoughts directly on line. Otherwise, click the New Filing link to upload a document that you have prepared.

I believe the success of RM-11828 is very important for the future of Amateur Radio, which is the reason I am mentioning on our users group. My hope is that you will chime in with support on the ECFS site too. That said, I know that we all want the best for Amateur Radio and I respect that there are other viewpoints on the best way to encourage that as well. The ECFS site accepts opposing viewpoints as well.

In case you are interested, here is the comment I just posted to the site.

Dear Commissioners,

As an Extra class Amateur Radio operator with more than 40 years of experience in Amateur Radio and founding member of the Northeast Maryland Amateur Radio Club (in existence for more than 15 years), I respectfully request that the Commission issue a Notice of Proposed Rule Making, as recom-

mended in ARRL's proposal RM-11828.

The privileges currently afforded the entry level Technician class license do not adequately provide exposure to the HF frequencies for the newcomer to decide if he wishes to continue in Amateur Radio. In fact, the emphasis of VHF/UHF privileges detours

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the newcomer away from the very essence of what the majority of active Amateur Radio operators find most interesting and enduring – HF privileges.

Not only does the new Technician quickly lose interest in the limited scope of available contacts on the VHF/UHF bands, they do not share the experiences and therefore become integrated with those holding higher class licenses. Newly licensed Technicians often spend their finite discretionary resources on VHF equipment that could have instead been applied towards HF gear, resulting in an additional obstacle as well.

ARRL's proposal provides an excellent balance of HF voice privileges to the newcomer – enough to give an adequate taste, while withholding large portions of very desirable spectrum, (including withholding all of 20 meters, what many consider the very best HF band), which maintains more than ample upgrade incentive. A Technician class licensee has already demonstrated sufficient knowledge to operate on the additional proposed HF spectrum by successfully passing the current subject matter covered in the existing Technician exam.

Have you ever attempted to articulate the thrill of working a rare DX station and what it's like to hear your call sign return from many thousands of miles away? Can you explain the joy of experiencing the daily rhythms of the HF bands on contest weekends, as early morning DX on 160, 80 and 40 me-

If you agree with RM-11828, it is important you express that on the FCC site, even if your comment is just a brief one liner. Providing some rationale for your basis is even better!

Again, whether you see this as I do, or have a different view, the most productive approach is to post your rationale to the FCC site as detailed above.

This is not for debate on our software users group.

Thanks for allowing me a brief moment on the soap box!

73, Scott

N3FJP

<http://www.n3fjp.com>

Serving the Amateur Radio community with contesting and general logging software since 1997.

ters transitions to midmorning Europe on 20 and 15 meters, South America after lunch and then back to Europe on 40 in the evening, and so on, as you work as many DX stations as you possibly can?

Just as the experience of a climber reaching a mountain summit can never be fully articulated, the thrill of HF has to be experienced to be understood. There are more than 300,000 Technician class Amateur Radio operators, right now, who have no idea what they are missing and what Amateur Radio fully offers them. Until they experience it first hand, they never will. ARRL's proposal remedies that.

Current demographics and license trends leave no doubt that this change is required to keep the Amateur Radio service healthy and vibrant for many decades to come. ARRL's request will help ensure the longevity of the Amateur Radio service, provide additional incentive for large numbers of current Technician class Amateur Radio operators to pursue General and higher class Amateur Radio licenses, as well as make Amateur Radio more appealing to those who currently do not hold an Amateur Radio license. This will result in an increase to the existing pool of trained, experienced Amateur Radio operators that will help fulfill the basis and purpose of the Amateur Radio service.

Thank you for considering my comments.

Sincerely,

G. Scott Davis

N3FJP

I could not have articulated an opinion on the Technician Enhancement Proposal nearly as well as N3FJP's so I thought it worth sharing with the club. <http://www.k0nr.com/wordpress/2019/03/fcc-considers-changes-to-licensing/> is also a well written item on this proposal. John / N8FYL—Editor



Dennis, KE8FZX, brought his [uBITX](#) to the March meeting. His goal was to get some help troubleshooting why it wasn't working. It turned into the meeting "show and tell" program. Not only did Dennis build the radio, he 3D printed the orange colored case and the yellow microphone enclosure!



Future Programs & Activities

Scott Hernalsteen, W8CQD — Activities Manager

- April 3, 2019 Regular Meeting
- April 20, 2019 [Michigan QSO Party](#) (MIQP) N8LC will be on the air at the Tucker Senior Center!
(This is the Saturday before Easter, again <sigh>)
- May 1, 2019 Regular Meeting
- May 17-19, 2019 (Dayton) [Hamvention](#)
- June 5, 2019 Regular Meeting followed by annual Fox Hunt
- June 22/23, 2019 ARRL Field Day
- September 4, 2019 Regular Meeting to start the 2019-2020 year!

L'Anse Creuse ARC Board Members – 2019

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



LC Echo 440 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 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 | Debbie John | KC8WHN N8NXW |
| ARRL VHF/UHF Awards Manager | Allan Koch | KA8JJN | Membership Chairman TC email distribution | John Huber | N8FYL |
| Call Sign ID Tags | Gregg Crump | N8GEO | Net Points Manager | Tom Mathison | WU8C |
| Christmas Party | Cathy Chauvin | KC8WVK | Net Points Upgrade Awards | Clem Duval | W8VO |
| Club Apparel & Patches | Scott Hernalsteen | W8CQD | TC Postal Distribution | John Huber | N8FYL |
| Club Call Trustee - N8LC | Marty Folz | K8HVI | Outgoing QSL Manager | Dale McGorman | K8RO |
| Code Proficiency Awards | Vince Cuker | WA8BIJ | QSL Cards | Dale McGorman | K8RO |
| Dayton Trip | Gregg Crump | N8GEO | Swap Chairman | Russ Price | N8HAR |
| Door Prizes—Buyer | Doug Chauvin | N8PYN | <i>Tuned Circuit</i> Editor | John Huber | N8FYL |
| Door Prizes—Tickets | Wayne Hearn | WG8U | Volunteer Exams | Gregg Crump | N8GEO |
| Echo Repeater Trustee | Marty Folz | K8HVI | Webpage (n8lc.org) | Doug Chauvin | N8PYN |
| Field Day | Gregg Crump | N8GEO | Webpage Assistant | Marty Folz | K8HVI |
| Health & Welfare | | | Youth Forum (50/50) [Alternate] | Ralph Irish John Slobodnik | W8ROI N8NXW |
| Licensing Classes | TBD | | | | |

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 tape 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

Ann Arbor (ARROW) : Mark Goodwin, W8FSA, w8fsa@arrl.net, 734-930-6564. Second Saturday of each month.

Hazel Park—Jerry Begel, W9NPI, w9npi@arrl.net 248-543-2284

First Tuesdays of Even Months.

Howell ([Livingston Amateur Radio Klub](#))
Second Tuesday of each month, 7PM, at the Livingston County EMS Facility, 1911 Tooley Road, Howell, MI. ALL AMATEUR EXAMS AT THESE SESSIONS ARE FREE.

LCARC

May 20 (Monday), and August 19(Monday), 2019 at the Tucker Senior Center. December 1, 2019 at our swap.

Motor City 313-676-6284

USECA <http://usecaarc.com/test/>

3rd Monday Monthly except during the months of July and August at the Mt. Clemens Elk's Lodge at 7 pm

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/train/er/Examples/hct.html>



Upcoming Swaps

04/07/2019 | [2nd Annual GMARC Technology Expo](#)

Location: Madison Heights, MI

Type: ARRL Hamfest

Sponsor: GM Amateur Radio Club

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

[Learn More](#)

05/04/2019 | [Cadillac Hamfest](#)

Location: Cadillac, MI

Type: ARRL Hamfest

Sponsor: Wexaukee Amateur Radio Club

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

[Learn More](#)

05/17/2019 | [2019 ARRL National Convention at Dayton Hamvention®](#)

Location: Xenia, OH

Type: ARRL Convention

Sponsor: Dayton Amateur Radio Association

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

[Learn More](#)

06/02/2019 | [Chelsea Amateur Radio Swapmeet](#)

Location: Chelsea, MI

Type: Hamfest

Sponsor: Chelsea Amateur Radio Club

Website: <http://wd8iel.com>

[Learn More](#)

06/16/2019 | [Monroe Hamfest](#)

Location: Monroe, MI

Type: ARRL Hamfest

Sponsor: Monroe County radio Comm Assoc

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

[Learn More](#)

07/20/2019 | [Gladwin Area Ham Fest](#)

Location: Gladwin, MI

Type: ARRL Hamfest

Sponsor: Gladwin Area Amateur Radio Club

[Learn More](#)

07/27/2019 | [Central Michigan ARC Hamfest](#)

Location: Lansing, MI

Type: ARRL Hamfest

Sponsor: Central Michigan Amateur Radio Club

Website: <http://www.centralmiarc.com/outdoorhamfest.php> [Learn More](#)

L'Anse Creuse Amateur Radio Club Nets

| Day | Time | | Band | Mode | Frequency | Net Control | Calendar |
|----------|------|------|------|--------|-------------|---------------|--------------------------------------|
| | UTC | EST | | | | | |
| Monday | 0000 | 2000 | 15 M | CW | 21.165 MHz | Clem, W8VO | Every Monday |
| Monday | 0030 | 2030 | 15 M | USB | 21.395 MHz | Wayne, WG8U | Every Monday |
| Monday | 0100 | 2100 | 6 M | USB | 50.160 MHz | Gregg, N8GEO | Every Monday |
| Tuesday | 0000 | 2000 | 2 M | Packet | 144.93 MHz | TBD | Every Tuesday (Connect to detqso) |
| Thursday | 2330 | 1930 | 10 M | USB | 28.435 MHz | Clem, W8VO | Every Thursday |
| | | | | | | Clem, W8VO | 1st Thursday |
| | | | | | | Wayne, WG8U | 2nd Thursday |
| Thursday | 0030 | 2030 | 2 M | FM | 147.08+ MHz | Gregg, N8GEO | 3rd Thursday |
| | | | | | | TBD | 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)

___ \$5.00 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)

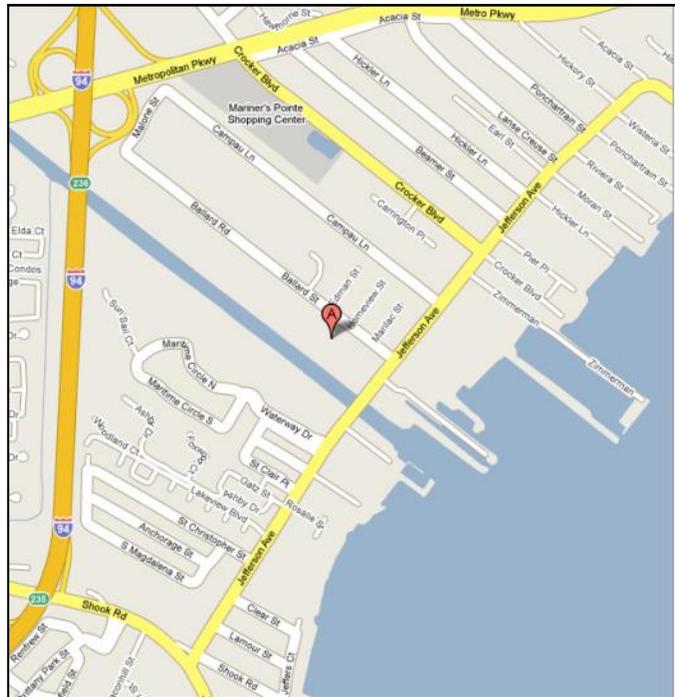
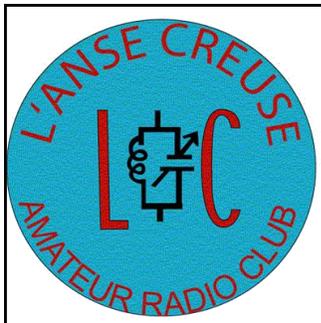
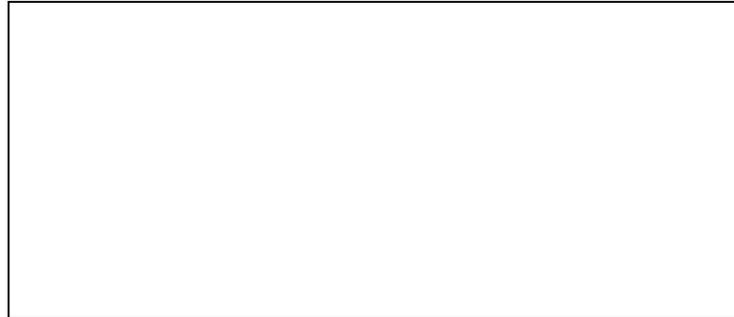
The Tuned Circuit

Monthly Bulletin of the
L'Anse Creuse Amateur Radio Club

LCARC Web Site: <http://www.n8lc.org>

E-mail: info@n8lc.org

First Class
Postage
+ Extra
Ounce



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.