

THE TUNED CIRCUIT

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

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**February TC
Deadline:
Monday
January 28th**

Next Meeting - 7:00 PM January
2nd 2019 at the Tucker Senior
Center (see [last page](#) for map and
address).

Meeting Program - The program for
our January meeting will be as
reported on [page 1!](#)

The NEXT board meeting will be
on Wednesday, January 9th, 2019.

THE PREZ SEZ

As your new President I was cajoled into writing a little opening article for the Tuned Circuit each month. I will try to keep these short and provide some value.

As I am writing this prior to Christmas, I hope all of you have a great Christmas and Santa brings you many watts for your shack.

We only have one change to the board for 2019 as the rest of the board has agreed to continue in their roles. It must be the high pay that keeps them around!

As you know we elect a President-Elect (aka Vice President) who next year becomes the President. So when you are elected to that position you are on the board for two years.

First I would like to thank John (N8NXW) for serving as the President-Elect and President over the last two years. Great job John and I hope things continue to run smoothly with me holding the gavel.

For 2019 Scott (W8CQD) was elected as President-Elect and will become President in 2020. Greg (N8GEO) will continue as Treasurer, Dave (N6WY) stays on as the Secretary, and Doug (N8PYN) will continue as Technical Officer.

We owe all of these members a big THANK YOU for holding these offices for multiple years as it takes a lot of their time. During 2018 we had many members who took ownership or helped with things like the swap, repeater, field day, newsletter, tickets sales, activities at the meetings, and the list goes on. I know if I listed them all I would miss someone so I will leave it at that. Thank you all for the work you do to support and improve the club.

Some of my goals for 2019 are:

- Increase Membership
- Get the antenna maintenance performed on the repeater site
- Find additional ways to make the club fun and help new and veteran hams enjoy the hobby. The hobby is fun and exciting with the technology always changing and we need to find a way to help members of all technical levels learn and increase their knowledge and use of Amateur Radio.

My mailbox is always open and I look forward to any input you have to make our club and the hobby better for our members. Looking forward to a great 2019. Thanks for allowing me to serve as your President.

73, Ken / KD8RJN

Report of the Secretary

Submitted by Dave, N6WY

Meeting Called to Order:

The LCARC President (John, N8NXW) called the meeting to order around 7:02 PM.

Roll Call: I counted 25 members responding to roll call.

Guests: We had two guests attending this meeting: Denny, AC8JH and Dennis, KE8FZX.

Upgrades: Dennis, KE8FZX, upgraded to General Class.

At the LCARC swap, one person passed the Technician Class Exam.

Meeting Minutes Approval.

Meeting minutes as in the November's *Tuned Circuit* news letter were approved after a motion made by John, N8NXW and seconded by Debbie, KC8WHN.

Where's Doug, N8PYN:

The next swap is the Hazel Park ARC's 53rd Annual Swap and Shop on Sunday 27 January 2019.

Repeaters Status by Doug, N8PYN:

Repeater Microwave Link: Research is ongoing for the possibility of having an independent LCARC internet access using a microwave link to the repeater shack. A guest speaker that can give the details of the link may be available for the next General Meeting in January. The talk will precede the White Elephant exchange.

Treasurer's Report by Gregg, N8GEO:

Total amount in the account is \$8171.32. The Youth Fund has \$50.24. The Repeater Fund has \$599.42. Total Available \$7521.66.

Except for the rental expense for the hall, all other expenses for the LCARC Swap are paid.

The Treasurer's report was approved after a motion made by John, N8NXW and seconded by Cathy, KC8WNK.

ARRL Update:

Ken, KD8RJN, contacted the Michigan Section Affiliated Club Coordinator and verified that LCARC is listed as an active ARRL affiliated club and Ken provided update information about the club. Ken also received some leads for a person that can do the N8LC repeater antenna maintenance.

Net Points Award by Clem, W8VO: Clem received 3150 net points this month.

Membership Chairman and Tuned Circuit Editor Report by John, N8FYL:

The deadline for the next Tuned Circuit Newsletter is 21 December. The deadline is earlier this month due to Christmas. The club has 69 members of which 9 are life time members.

Club QSL Report by Dale, K8RO:

24 QSL requests. 8 not handled. 1 request rejected. Received 8 QSL paper cards.

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Swap Chairman Report by Russ, N8HAR:

Russ thanked all who helped with the swap. All tables were sold except for 6.

Swap Profit Summary (rounded numbers):

\$600 from Radio Raffle , \$100 from Cafeteria sales , \$1200 from Fees (entrance and table)

\$1900 is the total swap profit for 2018 \$1600 was the total swap profit for 2017

Gregg, N8GEO, delivered the radio to the radio raffle winner.

Ken, KD8RJN, suggested that a sign should be placed near the entrance to the swap indicating radio raffle tickets can be purchased when paying entrance fee.

Gregg, N8GEO, said that we should consider a 50/50 drawing at the next swap.

Russ was applauded for doing a great job as swap chairman for this year's swap. Russ agreed to be swap chairman for the 2019 swap.

Old Business:

Christmas Party: Cathy, KC8WNN, said that 25 people are going to the LCARC Christmas Party. If anyone else decides to attend they can pay at the party. You can pick your entree at the party.

Scammer attempted to scam LCARC: The club officers received the same email from a person trying to scam the LCARC. Ken, KD8RJN, attempted to contact the scammer. Ken did not receive a response!

LCARC Facebook: Ken, KD8RJN, said that non-members can access the LCARC Facebook page.

Club Banner Stand: Ken, KD8RJN, has a design for a portable club banner stand. Ken will build the stand.

Macomb Community College (MCC) Tech Night: John, N8NXW, said that the LCARC tech night at MCC is done. MCC wants to donate all radio and test equipment from that lab to LCARC. John, N8FYL, said that we may need to act quickly when MCC is ready to donate the lab equipment. John, N8NWX, can inventory the equipment, Ken, KD8RJN, has a truck to haul the equipment, Gregg, N8GEO, has temporary storage for the equipment. The repeater shack can be used for long term storage. Larry, KE8LEB, said that we should keep the equipment and have Tech Night as a program for a general meeting. Ken, KD8RJN, said that he will check on other locations for Tech Night in addition to an occasional Tech Night during a general meeting at the Tucker Center.

Committee Chairman List: Ken, KD8RJN, asked everyone to review and update the Club Committee Chairman list during the break.

White Elephant Exchange Rules: Tonight's meeting attendees had a general discussion about the rules for the January General Meeting White Elephant Exchange. Based on that discussion, the 2019 LCARC president (Ken, KD8RJN) has documented the White Elephant Exchange rules in this Tuned Circuit issue.

Winter Field Day (WFD): At the January General Meeting, Gregg, N8GEO, will have a sign up sheet for WFD. Participants can sign up for operating times, logging times, etc. A sign up sheet will also be available to indicate if you are bringing a potluck food dish. Ken, KD8RJN, is bringing a generator; Dale, K8RO, is bringing a satellite station; Doug, N8PYN, is bringing a satellite antenna. The club is providing

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(Continued from page 3)

the coffee. Stay as long as you want. Bring a cot or sleeping bag and stay all night. See WFD reminder notice in the Tuned Circuit.

VE Tests: Gregg, N8GEO, said that the LCARC VE test days for 2019 are Monday 18 February, Monday 20 May, and Monday 19 August. Cliff, AB8XQ, will help with the W5YI VE method. Gregg is planning to change to the ARRL VE method in the future.

Next Boad Meeting: John, N8NXW, announced the next board meeting is 9 January. The official start time is 7:00 PM for business. Meeting location is Roseann's (15 Mile and Gratiot). You can eat at Roseann's before, after, or during the meeting.

New Business:

Radio Donation to Youth Fund: Bob, KG8DD, gave Russ, N8HAR an IC W2A Radio Kit as a donation to the LCARC Youth Fund. Icom IC-W2A is a multifunctional 2 meter/440 MHz handheld. This Kit has an VHF/UHF amplifier. The Icom IC-W2A is not good for a new ham but may be good for an experienced ham. John, N8FYL, said that it is a good radio for satellite communication. Cathy, KC8WNL, said we should have the kit on the LCARC table at the Hazel Park Swap. Someone should notify a Hazel Park swap official that money from the sale will be donated to the LCARC Youth Fund.

Drawings:

Door Prizes: There are 3 door prizes tonight. The first winner Ralph, W8ROI, selected the Baofeng BF-888s "FRS" radios. The second winner Marty, K8HVI, selected the Case. Bill, KE8IYB, won the Screw Driver Set.

50/50 Drawing: Scott, W8CQD, won the 50/50 drawing cash prize of \$19.50.

LCARC Board Members for 2019:

President	Ken Janicki, KD8RJN	Technical Officer	Doug Chauvin, N8PYN
President-Elect	Scott Hernalsteen, W8CQD	Activities Manager	Scott Hernalsteen, W8CQD
Secretary	Dave Garner, N6WY	Past President	John Slobodnik, N8NXW
Treasurer	Gregg Crump, N8GEO		

Meeting Adjourned:

John, N8NXW, moved to adjourn the meeting and Fritz, KE8BFW, seconded. The meeting adjourned at 8:30 PM.

Meeting Program:

Scott, W8CQD, showed a video on Station Grounding. Meeting program was from the <http://www.KE0OG.net> site, specifically <https://dcasler.com/2015/09/05/ask-dave-episode-8-station-grounding/>

JANUARY 2ND MEETING PROGRAM

The January program will be Paul Reinhardt, KC8BDK, the Emergency Coordinator / RACES Officer for Macomb County ARPSC. Paul will be giving a presentation about the process of proposing an extension of a ham WAN project that was started in the center area of the state. This project will provide a micro-wave link to various tower sites, and in turn multiple paths to the public internet.

We will also have the White Elephant Gift Exchange. Our President Ken / KD8RJN has codified the process as documented below.



MEETING time is 7:00 PM



We made changes to the White Elephant Gift Exchange for this year and we need to make sure we have the rules of engagement well documented. I [Ken / KD8RJN] documented these as I remember from the discussion during the last meeting. I will ask the membership to review and approve at the January meeting prior to the beginning of the gift exchange. Changes can be made by the membership and voted upon if necessary.

- Everyone attending the meeting is welcome to bring a gift to exchange.
- The “gift” is something from your basement, garage, or ham shack, that you no longer use or need. Hopefully it will have something to do with Amateur Radio.
- You may bring multiple gifts.
- For each gift you bring you will receive a numbered ticket showing when it is your turn to select a gift from the table.
- All gifts need to be wrapped and based on the changes this year, wrapping will be a critical item.
- The person having ticket #1 will be the first to select a gift from the table and we continue the gift selection by number until all gifts are removed from the table.
- When your number is called you have the option of stealing a gift from anyone that has one or taking a gift from the table.
- If your gift is stolen you select another gift from the table. You cannot steal anyone's gift.
- No gifts are to be unwrapped until all gifts have been selected
- There is no limit to the number of times a gift can be stolen.

I did not think a simple gift exchange could have so many rules, but we do not want anyone fighting over something no one needed. 73, Ken / KD8RJN

Membership Report

Our membership count is now at 70! We welcome Bob / KG8DD who joined at the LC Swap. After the meeting of February 2019, those who have not renewed for 2019 will be dropped from the database and will no longer receive *The Tuned Circuit*. As it stands now there are 7 members who will be impacted.

To renew please submit your dues and membership form to our Treasurer Gregg/ N8GEO so the dues money is deposited in the club's account. Gregg then gets the forms to me for the membership database.



At the right is a table of my unofficial club meeting attendance numbers for 2018. Average is 20.7.

John / N8FYL — 12/23/18

January	17	June	23
February	19	September	23
March	19	October	19
April	23	November	22
May	20	December	22

Heeeerrrrreeeeessss Mikey!

Here's a tip for those trying to learn CW from tapes, (which, like anti-anxiety meds, I would recommend for short term use only). When you think you have it down, turn on a news broadcast at about the same volume as your tapes. This will help when you actually get on the air where there's QRN & QRM and lids with a bad "fist" that run all the letters together. Concentrate on the 'dits' and 'dashes' only. A better way to learn is to tune in on what used to be the Novice section of the bands, or the lower end of 40 meters, or wherever, and listen for a CQ at a speed that you can copy, or send a CQ. More than likely you'll get a: RST report, a QTH, a name and a BK, (back to you)-respond in kind. If you can go further don't be afraid to send QRS, (please send more slowly), and whatever you do don't send at a speed that's faster than you can copy. This is easy to do because you know ahead of time what you're going to say. I tend to do this all the time and it's hard to send QRS when you've just fired off CW at 30 wpm. If you get mixed up just say SRI QSB TNX and 73 and sign. After a few weeks of this and you'll be amazed how well you're doing.

If'n ya wanna learn a language...go where it's spoken.

— • • — • • • — • • • — • • • — • • • — • • • — • • • — • • • — • • • — • • • — • • •

And you can give a little friendly handshake finally with a dit-dit when all is finished.

This is AC8ER and I approve this message.



The Canadian National Parks on the Air event ([CNPOTA](#)) will begin on January 1, 2019, and continue until year's end. A volunteer group of a half-dozen hams in Nova Scotia, working with a zero budget, came up with the notion of attempting to replicate the success of ARRL's National Parks on the Air (NPOTA) event in 2016, first created to mark the

centennial of the National Park Service. Radio Amateurs of Canada ([RAC](#)) has announced its support for CNPOTA, in cooperation with Parks Canada. All radio amateurs are invited to activate any of Park Canada's 48 national parks and 171 national historic sites, while "chasers" attempt to land a contact. Activity for activators and chasers will be tracked on a dedicated website and a real-time leader board, and operators may compete for online awards and certificates. For updates on the program's progress, [visit](#) the CNPOTA website. [from [The ARRL Letter for December 6, 2018](#)]

WINTER FIELD DAY 2019 Reminder!

Submitted by Gregg / N8GEO



There was more news about January's Winter Field Day event at the December meeting. We are definitely good to go for operating this event at the Tucker Senior Center.

Here are the particulars:

- Tucker Senior Center
- Harrison Township
- 2019 Winter Field Day
- January 26 2019, 9 AM - Sunday the 27, 2019, 5 PM. (Contest time is from 2 PM Sat until 2 PM Sun).

Winter Field Day Link: www.winterfieldday.com

Come on out and operate for 30 minutes or stay all day and enjoy the friendship, drink some coffee and bring a pot luck to share. It's looking to be a great time. Keep the weekend open (LOL what else do you have to do in the middle of the winter) and come on out and play and visit for a bit. Hey we have flush toilets and heat (what a deal).

See ya there. 73

Gregg



The Hazel Park Amateur Radio Club

53rd SWAP & SHOP

January 27th, 2019 **8AM to 12PM**

Vendor load-in Saturday the 26th 11-3PM

\$5 Entry, \$15 table

Join us in January for a the annual HPARC Swap. Come socialize with old friends and make some new ones.

Come enjoy a Southeast Michignan swap as it should be, with good food and good friends.

Talk-in on W8HP

146.640 (100Hz PL) DART Repeater

HPARC.org facebook.com/HPARClub

VENDORS

DOOR PRIZES

RAFFLE



SANCTIONED
HAMFEST

The image above is a clickable link to the complete flyer,
(<http://hparc.org/wp-content/uploads/2018/08/53rd-SWAP.pdf>),
which was also published in the November issue of *The Tuned Circuit*.

STATION GROUNDING

Provided by Clem / W8VO

Written by Ralph WDOEJA

We are certainly at risk from a lightning strike when we stick a piece of metal up just outside our home or on the roof. What is the safest way to install your antennas near your home?

Keep in mind, electrical discharges from weather can go from the sky to ground, or from the ground up. A direct hit is less likely than a partial hit from nearby lightning. We can not do much with a direct hit, but the partial discharges can be handled.

If you have a pole (metal) or a tower near your home, you will want to ground the structure to the earth. Using ground rod with a short heavy wire or braid to the bottom of your pole or tower.

For a tower, 3 ground rods are recommend close to the tower. However, not in the concrete base. In the dirt.

A pole or mast, one ground rod is sufficient.

You can get ground rods from 2 feet to 8 feet.

Which one do you use?

Keep in mind, you are trying to dissipate a very high voltage. The earth can be referenced as 0 volts. When a storm comes in the atmosphere can get heavily charged, either negative or positive. Therefore, a discharge can go either way.

You want as much surface area in your grounding to conductible earth as possible. Depending on your type of soil will determine the type and size of your grounding system.

An eight foot ground rod in conductive soft soil may be sufficient. In some cases a 4 foot rod in harder,

but conductive soil will work.

Remember, it is area of contact you want to maximize. A horizontal ground system is quite affective. Much like a radial system, except it does not need to be a tuned length and should be of heavy wire or rod.

Running a ground wire from your home to the grounding system of your antenna is a poor idea. You already have a coaxial cable entering your home to burn it down. You do not want to invite an electrical discharge into your home any worse than you have to. In most cases, it is best to use the grounding provided in your home for your equipment. Disconnecting during non-use is a good habit.

Your coax cable can be protected with coaxial lightning arresters. These can be placed at the tower or mast and grounded to the same ground system. For added safety you can put one near your home with its own ground rod.

If your antenna is roof mounted, grounding is still important. Use a heavy ground wire connected to the base of your roof mount. Do not lay it on the roof. Neatly run it over the side with stand-offs. Make sure none of it touches the building. This holds true for the coax also.

Lightning is unpredictable, but using a few techniques can make your home and station safer.

73,

Ralph WDOEJA

Dec 2018

FOR SALE

By Bob Winkel KG8DD

[TigerTronics Signalink USB](#) radio-computer interface with built-in sound card. Allows programs on your computer to decode RTTY, SSTV, CW, PSK31, MT-63, EchoLink, and FT-8. Computer interface is USB. Works with all radios, power comes from USB port. Comes with software. Original. price \$105. Make offer.

*** Also available is a Dell Windows 7 compact laptop for a dedicated display. Only \$25. ***

Thanks, much. [Bob Winkel](#) KG8DD



We had a Swap on December 2nd and here are some pictures!



Swap Chairman Russ/N8HAR checking in a table purchaser while past chairman Dale/K8RO continues the “on the job transition training”



Ken/KD8RJN gets a real handful (of tickets to sell at the door) from Russ/N8HAR



Gregg/N8GEO and Marty/K8HVI finishing up the “get the club banner hung” project.



It wouldn't be a swap without a good selection of donuts! Here's Robin (wife of Gregg/N8GEO) getting ready to serve the up the goodies.

Doug/N8PYN provides project oversight services!



Livonia Amateur Radio Club

Talk-in
145.35 with 100 PL
or 146.52 Simplex

49th

GREAT
VENDOR
ACCESS

ANNUAL

SWAP-N-SHOP

Buy and Sell Amateur Radio
Gear, Computers, or
Electronic Test Equipment



Civic Park Senior Center
15218 Farmington Rd.
Livonia, MI

(SE corner of Farmington
Rd. and 5 Mile Rd.)

Livonia ARC
P.O. Box 51532
Livonia, MI 48151-0532
www.livoniaarc.com

Call (734) 941-5043

or e-mail us at k8uns@arrl.net



*Lots of Tables
(8' tables for \$16 each
if paid in advance or
\$20.00 if available and
paid at the door)

*Door Prizes

*Food Concession

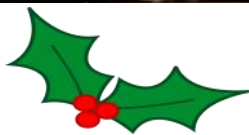
*Tickets \$5.00

Sunday, February 17, 2019 8:00am - 12:00pm

LCARC Christmas Party



For the first time in several years (or so it seems), there was NO snow to drive through on the night of the annual LCARC Christmas party. This year 25 people came out and enjoyed the delicious food at Sajo's. Thanks to the organizing acumen of party planner Keith / W8KD and assistance of Cathy / KC8WNK (who filled in for Keith whilst he dealt with some health matters) the attendees had a very pleasant evening. Cathy also made some table decorations, and acquired the nuts and candy "table garnish", and most important, arranged for the cake! Ralph / W8ROI donated the BaoFeng BF-888S radios (that he won as a door prize at the December meeting) for a door prize/raffle for the Christmas Party. Don / N8KNS was the lucky winner. And of course, the gavel was passed from outgoing President John/N8NXW to the new President for 2019, Ken/ KD8RJN.



Future Programs & Activities

Scott Hernalsteen, W8CQD — Activities Manager

- January 2, 2019 Regular Meeting— Ham WAN Project presentation AND White Elephant Gift Exchange
- January 26, 2019 LCARC Winter Field Day at Tucker Senior Center
- February 6, 2019 Regular Meeting
- March 6, 2019 Regular Meeting
- April 3, 2019 Regular Meeting

L'Anse Creuse ARC Board Members – 2019

President

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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	Licensing Classes	TBD	
ARRL HF Awards Assistant	Vince Cuker	WA8BIJ	Little Bay Awards	Vince Cuker	WA8BIJ
ARRL VHF/UHF Awards Manager	Allan Koch	KA8JJN	Meeting Refreshments	Debbie John	KC8WHN N8NXW
Call Sign ID Tags	Gregg Crump	N8GEO	Membership Chairman	John Huber	N8FYL
Christmas Party	Keith Harris	W8KD	TC email distribution		
Club Apparel & Patches	Scott Hernalsteen	W8CQD	Net Points Manager	Tom Mathison	WU8C
Club Call Trustee - K8AYZ	Ted Bak	K8EO	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	Wayne Hearn	WG8U	<i>Tuned Circuit</i> Editor	John Huber	N8FYL
Echo Repeater Trustee	Marty Folz	K8HVI	Volunteer Exams	Gregg Crump	N8GEO
Field Day			Webpage (n8lc.org)	Doug Chauvin	N8PYN
Health & Welfare			Webpage Assistant	Marty Folz	K8HVI
			Youth Forum (50/50)	Ralph Irish	W8ROI
			[Alternate]	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 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

February 18 (Monday), 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/trainer/Examples/hct.html>



Upcoming Swaps

01/27/2019 | [Hazel Park ARC's 53rd Annual Swap and Shop](#)

Location: Madison Heights, MI
Type: ARRL Hamfest
Sponsor: Hazel Park Amateur Radio Club
Website: <http://hparc.org>

[Learn More](#)

02/17/2019 | [Livonia ARC's 49th Annual Swap & Shop](#)

Location: Livonia, MI
Type: ARRL Hamfest
Sponsor: Livonia Amateur Radio Club
Website: <http://www.livoniaarc.com/index.php?page=swapshop>
[Learn More](#)

03/16/2019 | [2019 Michigan Crossroads Hamfest & Radio Swap](#)

Location: Kalamazoo, MI
Type: ARRL Hamfest
Sponsor: Southern Michigan Amateur Radio Society
Website: <http://www.w8df.com/index.php?content=hamfest> [Learn More](#)

03/17/2019 | [TMRA Hamfest and Computer Fair](#)

Location: Perrysburg, OH
Type: ARRL Hamfest
Sponsor: Toledo Mobile Radio Association
Website: <http://www.tmrahamradio.org> [Learn More](#)

04/7/2019 | 2nd Annual GMARC Swap & Shop

Location: Madison Heights, MI
Type: ARRL Hamfest
Sponsor: General Motors Amateur Radio Club
Website: <http://www.gmarc.org/SwapInfo> [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](#)

L'Anse Creuse Amateur Radio Club Nets

Day	Time		Band	Mode	Frequency	Net Control	Calendar
	UTC	EST					
Monday	0030	1930	15 M	CW	21.165 MHz	Clem, W8VO	Every Monday
Monday	0130	2030	15 M	USB	21.395 MHz	Wayne, WG8U	Every Monday
Monday	0200	2100	6 M	USB	50.160 MHz	Gregg, N8GEO	Every Monday
Tuesday	0100	2000	2 M	Packet	144.93 MHz	TBD	Every Tuesday (Connect to detqso)
Thursday	0030	1930	10 M	USB	28.435 MHz	Clem, W8VO	Every Thursday
Thursday	0130	2030	2 M	FM	147.08+ MHz	Clem, W8VO	1st Thursday
						Wayne, WG8U	2nd Thursday
						Gregg, N8GEO	3rd Thursday
						TBD	4th Thursday
						Fritz, KE8BFW	5th Thursday

Membership Request

Date: ____/____/____

Request For:

L'Anse Creuse Amateur Radio Club

Gregg Crump, N8GEO

29729 South River Rd

Harrison Twp MI 48045-3030

___ \$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.

Only membership applications to go this address, all other mail should go to the club's main PO Box. 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)

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.)

The Tuned Circuit

Monthly Bulletin of the L'Anse Creuse Amateur Radio Club

L'Anse Creuse Amateur Radio Club

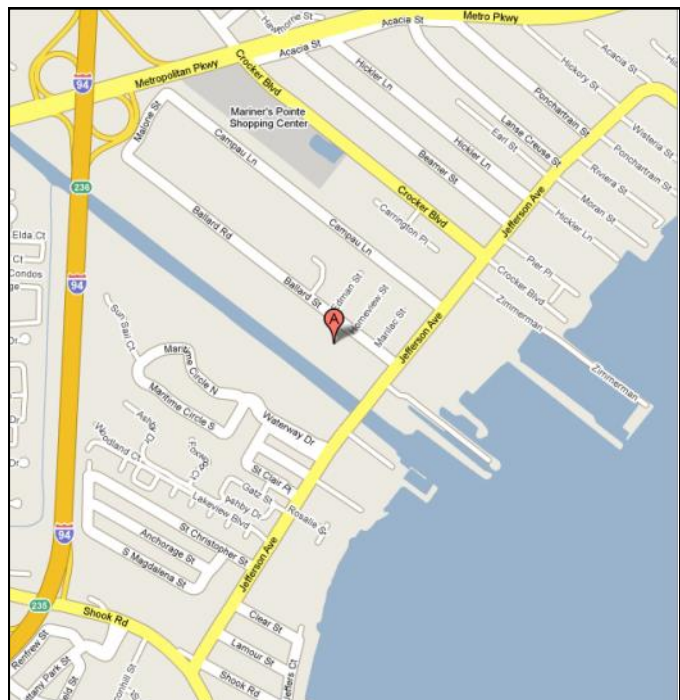
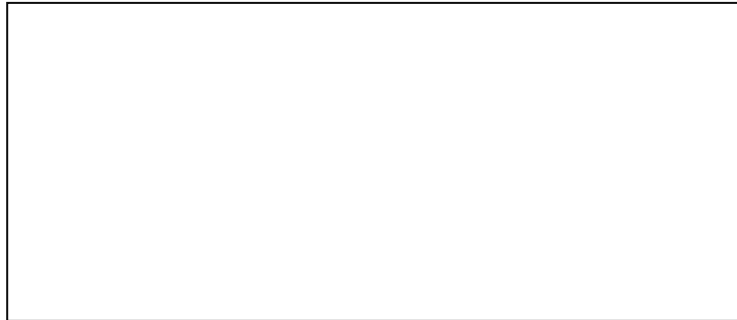
P.O. Box 180072

Utica, MI 48318

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](#) 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.