

# THE TUNED CIRCUIT

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

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**November TC  
Deadline:  
Monday  
October 28th**

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

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

The NEXT board meeting will be  
on Wednesday, Nov 13th, 2019.

## THE PREZ SEZ

Summer sure was quick and I will miss the warm days, but fall is a great time for radio. If you have any antenna work now is the time to tackle it as it is not too hot or cold to get repairs done or install a new one.

Now that we are back from the summer break it gets very busy for the club. We still have our monthly dinners, we will have election of new board members, and the Christmas party plans have been made. We have the Swap meet coming in December and the White Elephant gift exchange coming in January. You can read more about these activities in the rest of the newsletter.

A lot of activity each month. To have all these activities we need funding so it is also time to pay your dues. The form you need to bring to the October meeting to renew your membership is at the end of the Tuned Circuit. Where else can you have so much fun for so little money?

I have been on the board for almost two years now serving as President Elect and President. Scott/W8CQD will be taking over soon but we need a new President Elect and I think a new Secretary.

We need members to step up and take a turn. One thing I liked during my time on the board was it helped me understand a lot about the club and it's inner workings. It helped me get a little deeper into the hobby, and it was fun spending time with members outside the monthly meeting.

It is not that much additional time per month. The hardest challenge is writing the Pres Says. I know there are members that have ideas or a directions they would like to see the club take. Now is your chance. Think about yourself as a board member or who you would nominate for a position.

Looking forward to great time this fall with radio now that all the summer activities are over. Hope to catch you on the air.

73

Ken - KD8RJN

# Report of the Secretary

Submitted by Dave, N6WY

## PotLuck:

Before the LCARC general meeting started, the attendees enjoyed a potluck supper. The potluck had plenty of food. Some of the food items available for the potluck included hot dogs, bratwurst, potato salad, potato chips, coleslaw, baked beans, cookies, brownies, and other desserts. The club provided the drinks and hot dogs.

## Meeting Called to Order:

The LCARC President (Ken, KD8RJN) called the 04 September 2019 LCARC general meeting to order at 7:15 PM.

Roll Call. I counted a total of 26 people responding to roll call.

Meeting Minutes Approval. The previous meeting minutes, as in *The Tuned Circuit* news letter, were approved after a motion made by Debbie, KC8WHN, and seconded by Fritz, KE8BFW.

## Treasurer's Report by Gregg, N8GEO:

Total amount in the account is \$4710.10

The Youth Fund has \$295.00.

The Repeater Fund has \$569.80.

Available \$3845.30.

## Where's Doug:

Area Hamfests.

Date	Sponsor	Location
7 Sep	Central Michigan Amateur Radio Club	Okemos , MI
8 Sep	Findlay Radio Club	Findlay, OH
15 Sep	Adrian Amateur Radio Club	Adrian, MI

Don, WN8IZV, will have a table at the Findlay swap.

## Repeater Status by Doug, N8PYN:

Repeater Noise. Doug said that the noise from the N8LC 2 meter repeater was not generated by the repeater. Doug received information from John, K8ZEC, confirming that the noise was coming from another source.

Repeater Shack Insulation. Ken, KD8RJN, said that he did not have access to the repeater shack during the summer to install insulation. Doug, N8PYN, said that Ken should meet Doug and others at the Wednesday morning breakfast and after breakfast they will install the insulation in the repeater shack.

Mi6WAN Network. Rick, K8RWM, asked about the Mi6WAN Network microwave link being extended to the LCARC repeater shack. Ken, KD8RJN, said that he is planning to have an Mi6WAN representative at the October general meeting to give an update.

## Net Points Report from Clem, W8VO:

Name	Points	Name	Points	Name	Points
Wayne WG8U	6206	Tom WU8C	4750	Clem W8VO	3223
Gregg N8GEO	1598	Mike AC8ER	875	Chris K8NVH	57

(Continued on page 3)

(Continued from page 2)

### **QSL Report by Dale, K8RO:**

Dale processed 125 eQSLs this month.

### **Membership and Tuned Circuit Report by John, N8FYL:**

The club has 71 members. Membership dues for the new year are due 1 October.

The next Tuned Circuit deadline is 23 September.

### **Donated Equipment by Macomb Community College (MCC):**

MCC sent a letter to LCARC that lists the items to be donated to LCARC. MCC needs a letter from LCARC this week that confirms LCARC will accept the items. The LCARC President (Ken, KD8RJN) will write the letter to MCC.

### **Old Business:**

Certificate of Appreciation. The certificate for Vince, WA8BIJ, will be mailed to Vince at his current address. Vince is receiving the certificate for funding the LCARC's purchase of an ARRL Library Book Set to a local library. The Clinton - Macomb Library has received the first ARRL Library Book Set purchased by LCARC. With Vince's donation another local library will receive a book set.

VE Session. During the last testing session, 4 people passed the technician class exam and 1 of the 4 passed the general class exam. John, N8FYL, is going to send a copy of the Tuned Circuit to the new hams.

2 Meter Repeater Controller. Doug, will ask a GMARC representative about the repeater controller on their repeater.

Tucker Senior Center Calendar. New administrative people will be assigning activities at the Tucker Senior Center. Gregg, N8GEO, will coordinate with the new administrative people to ensure that LCARC can use the Tucker Senior Center for activities like Winter Field and VE testing.

Christmas Party. Judy (Ken's, KD8RJN, wife) will write an article for the Tuned Circuit that gives information about this year's Christmas party.

White Elephant Exchange. The program for the January general meeting is the white elephant exchange. The first Wednesday in January falls on the first of January. The January general meeting will be moved to the second Wednesday of January.

Vets to Ham. Ken, KD8RJN, will give a demonstration of ham radio to a VFW representative who will work with the vets at the Roseville VA center and determine if any vets want to be a ham.

Monthly Dinner. This month's dinner is at the Hamlin Pub near 22 and Hayes.

### **New Business:**

Ralph, W8ROI, has a J-Pole design that can easily be made. The next general meeting will be a show and tell about that J-Pole antenna design. If members are interested in making that J-Pole antenna, LCARC may make a kit for members.

### **Board Meeting:**

Ken, KD8RJN, announced that the next board meeting is Wednesday, 11 September 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 *The Tuned Circuit*.

### **Drawings:**

Winner	Prize	Winner	Prize
Scott, W8CQD	\$13.00 (50/50 prize)	Mark, N8REZ	Map
Lito, K8AJJ	Baofeng Radios	Keith, W8KD	Ammo Box

### **Video Presentation:**

After the meeting adjourned, Scott, W8CQD, showed a video by Dave Casler (KE0OG) about Antennas for Difficult Situations: [ Ask Dave Episode 7 [HF Antennas for Less Than Ideal Circumstances](#)].

# Board Meeting Minutes

Submitted by Dave, N6WY

**Meeting Called to Order:** The LCARC Board Meeting was called to order around 7:00 PM on Wednesday 11 September 2019 by the LCARC President.

**Attendees:**

President, Ken — KD8RJN	Secretary, Dave — N6WY	Cathy—KC8WNK
Vice President, Scott — W8CQD	Technical Officer, Doug — N8PYN	
Treasurer, Gregg — N8GEO	Robin (N8GEO's wife)	

**The following is a brief summary of the discussion topics:**

Christmas Party. Robin and Cathy recommended to move the LCARC Christmas Party to a new location. The board accepted their recommendations. This year, the Christmas Party location is [Penne Lane](#) near Hall Road and Gratiot Avenue. Penne Lane has a party room and a good menu at a reasonable cost. Cathy will deliver a \$100.00 deposit to Penne Lane to reserve the party room. Ken will write details of the Christmas Party for publication in this month's Tuned Circuit.

Repeater Shack Work. Ken is going to the next Wednesday morning breakfast at the Ram's Horn in Rochester Hills. After breakfast, Ken and Doug (and maybe others) are going to the N8LC repeater shack to install insulation and check the repeater equipment.

Mi6WAN Internet. Ken will confirm that a Mi6WAN network representative can be at the October general meeting to discuss the possibility of bringing an internet connection to the repeater shack.

USECA Swap. USECA sent a letter to Ken that asks if LCARC wants a Club table at the USECA swap. USECA will provide a free club table and a free admission ticket to the USECA swap. Doug is going to take the table. Ken will send a similar offer to USECA for the LCARC swap.

Nomination for Board Members. At the October general meeting, nominations are required for Vice President and Secretary. Voting for board members is during the December general meeting. The new board is in place beginning with the January general meeting.

## LCARC Christmas Party

Information supplied by Cathy / KC8WNK

This year we have decided to visit a different location. On Wednesday, December 11th at 6:30 PM, we will be dining at [Penne Lane, 44905 Morley Dr.](#) Clinton Township 48036.

We have a private room for the dinner. Tickets will be on sale at the October, November and December meetings. You may also RSVP as "pay at the door". We will have the menu at the October meeting for the club to choose the options and that will determine the cost. They are starting in the \$20.00 per person price range and go up from there. A cash bar will be available.

We will do a 50/50 as in the past. Hope to see you there!

## OCTOBER 2<sup>ND</sup> MEETING PROGRAM

The October program will PERHAPS be an update on the state of the Mi6WAN that we learned about at the January 2019 meeting. If not that, then you'll learn about the program at the meeting! We also expect to have more information from Ralph/W8ROI about the 6 & 2 meter J-pole antenna.



**MEETING time is 7:00 PM**



### Membership Report

We welcome our newest member, Denny / AC8JH, which increases the member count to 73, of which 9 are Life members. Of the 64 regular members 6 are enjoying the first year free experience. Remember, for most of you, dues for next year are due! N8REZ is all paid up because he paid twice last year!

John / N8FYL — 9/24/2019



### Reminder!

**2019/2020 LCARC club dues are due *NOW***

Bring your money and the Membership Request form on page 15 to the club meeting and give them to our Treasurer Gregg, N8GEO,  
OR

mail your check as instructed on the Membership Request form.

**L'Anse Creuse Amateur Radio Club**

**47th Annual Swap & Shop**

**SUNDAY, SUNDAY, SUNDAY!**

**DECEMBER 1, 2019**

**See the flyer HERE**

N8HAR should have flyers available at the October meeting, or contact him directly to get some flyers if you can't make the meeting.



## LCARC Swap Update

provided by Russ /N8HAR 2019 Swap Chairperson

- ◆ Email was sent out on Sunday, September 15th to the vendors (same email recipients as last year).
- ◆ I have received very little response so far [09/22/2019]. Only 3 vendors expressed interest and I have reserved tables for them (10 tables in total).
- ◆ I will need help from our membership to work the swap and will be asking for volunteers very soon. Hopefully the folks who helped out last year can help out again this year.
- ◆ I hope to be attending other club swaps to pass out our flyers.

## HT For Sale

A 4month old [Yaesu FT2DR](#), C4FM/FM 2m/70cm dual band handheld. 5W/2W/.5W power output. Complete with all the manuals and box. Selling it for \$295. \$50 off from new price of \$345. Works like new, no issue. My wife is getting me a newer model for my Birthday!

Lito / K8AJJ [litojjuliano@gmail.com](mailto:litojjuliano@gmail.com) 248-933-7450



## County-Hunting Mapper

By John / N8FYL

I recently saw a plug for the current version of the [County-Hunting Mapper](#) software by EI8IC. The description (from the web site):

Welcome to the '[County-Hunting Mapper](#)' - a unique, easy-to-use Amateur Radio program for creating County, State, Section and Grid Locator outline maps of North America that can be filled by Hand, from a contest logger UDP feed, or from imported ADIF or Cabrillo logs.

Create a base map, add text, colors, and lat/lon or Grid Locator lines, then fill regions to create maps that reflect your County Hunting activities, or operating achievements, or contest results: either by hand, or from imported log files, or as those events actually happen, by automatically plotting regions worked during a contest from your N1MM logger, and building up a map that shows the exact state of your contest so far.

You can edit logs, check for errors, parse for counties, export data in different formats, search the county databases, overlay GPS files, export the maps for use in other applications, or to share online. For further reference, see the comprehensive [Help Guide](#)

While I have not yet explored this software, I think it is very intriguing, and it's on my "to do" list when I get the proverbial "round tuit". HiHi. This software is not free, but you can trial the program with full functionality for 30 days. After that, you'll need a license. Currently a license is \$15.00 USD paid through Pay-Pal.

## Items for Sale — Support the Dayton Youth Forum!

from Ralph W8ROI

[w8roi@wowway.com](mailto:w8roi@wowway.com) 584-731-6760

The following items are from the estate of a friend who literally willed them to me. I went to Phoenix, AZ in March, a few weeks after his passing and helped his daughter go through his things. She told me that he had specified that I could have anything that was among his ham gear. So, I am going to dispose of the items below and donate 90% of whatever they bring to the Dayton Youth Forum Fund in the L'Anse Creuse Amateur Radio Club Treasury.

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NEW IN BOX Brother Laser Printer Model Nr. [HL-2270DW](#) . Box has been opened and the only thing removed was the package which contained the manual and software disk. \$100.00

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FLEX-3000 SDR HF transceiver. Newly purchased Mike and power cord. Also has Manual on CD-rom, and possibly a printed version. Asking \$1000.00




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[Kenwood TH-D7 dual band, 2M/440MHz HT](#). Has built in data capabilities and some kind of packet interface. Have desktop drop-in charger and wall wart to power it. Battery appears to be HD version. Also have manual on CD-rom \$50.00

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[MFJ-model MFJ-201](#) 1.5 MHz - 250 MHz Dip Meter system. Not been used that I can tell. Maybe 'New Old Stock' might be good explanation \$100.00

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J.W. Miller C-514-T Transmitter Lo-Pass filter. 1000W below 30 MHz Standard SO-239 coax fittings, copper or copper plated box. \$25.00

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[Vibrokeyer Standard single lever paddle](#) for automatic electronic keyer. This is NOT a 'Squeeze-keyer' paddle. NOT a "bug". Standard operation with the usual adjustments for spring tension and gap. One sheet 'manual' .

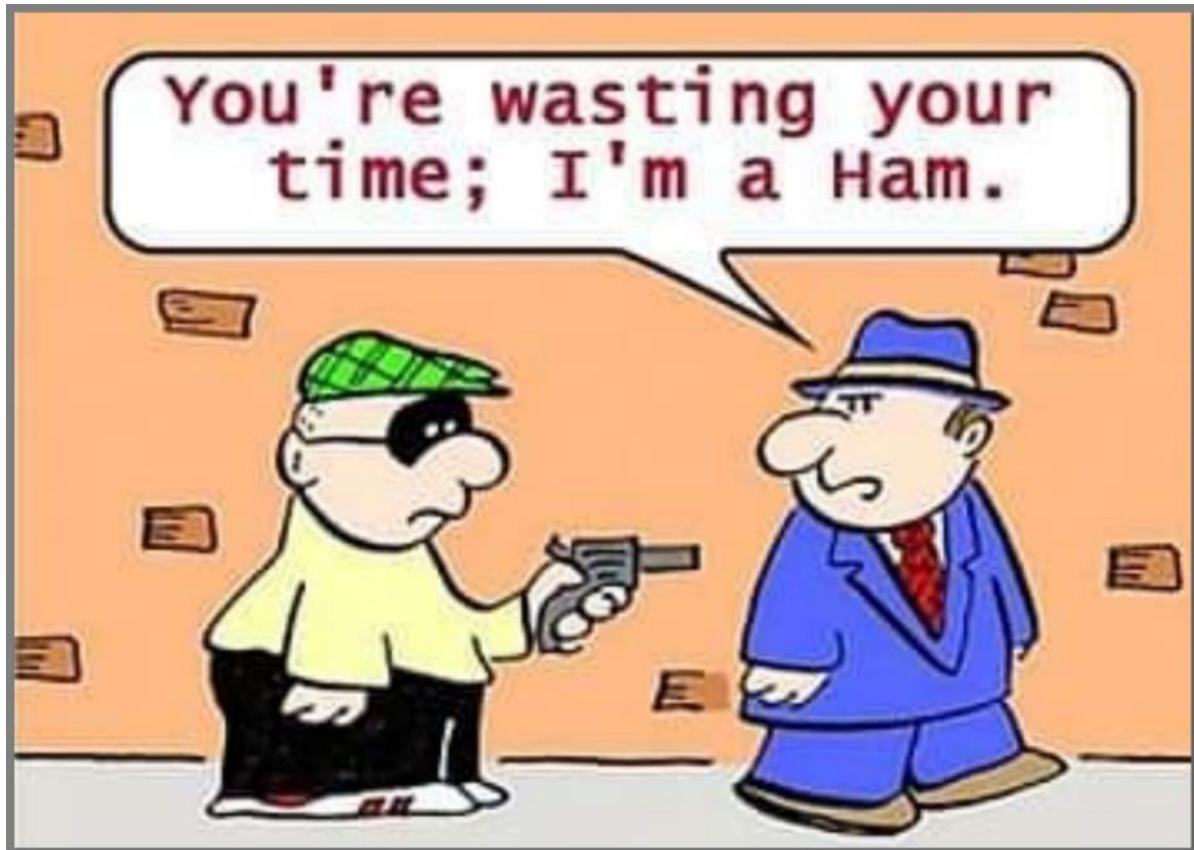
THIS IS A BRAND NEW ITEM. ONLY BEEN OUT OF THE BOX FOR INSPECTION. Current list price is just over \$171.95 The orange price sticker on the box shows \$154.95 Asking \$100.00




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Prices are slightly adjustable, but the prices shown are very reasonable, so please don't get carried away with low-ball bidding or offers.

## Because Ham Radio is Supposed to be Fun!

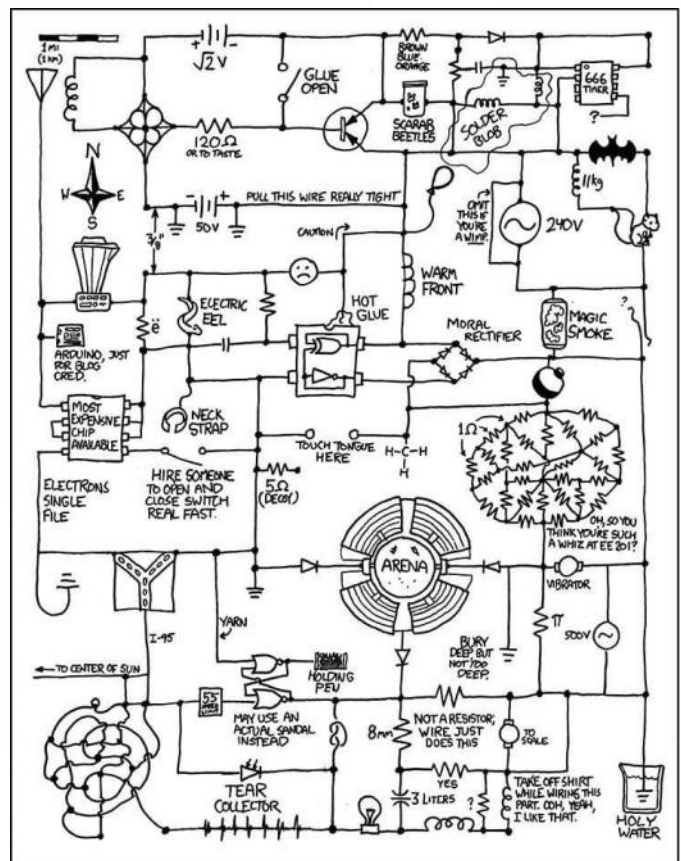


I GUESS you would call this a Ham-burglar.

Cartoons contributed by Fritz / KE8BFW



**For those with rusty CW:** My nam is jack an I have a shack!!





## DXpedition to use FT8 robot?

By Dan Romanchik, KB6NU [cwgeek@kb6nu.com](mailto:cwgeek@kb6nu.com)

August 22, 2019. It's inevitable. At some point, machines are going to render humans irrelevant. It's been a recurring theme in science fiction since before I was born (1955), and there are numerous predictions of the Singularity, the point in time when machines will be smarter than human, occurring between 2030 and 2045.

It may happen in amateur radio sooner than we think. A couple of days ago, one of my readers, sent me a link to a blog post by John, AE5X: [Automated FT8 "FoxBot" in upcoming DXpedition – confirmed](#). He wrote:

“A [DXpedition to Tokelau](#) will take place from 1 to 11 October and it will be your chance to work an FT8 robot operating in Fox/Hound mode.

“Stathis SV5DKL has been working on a “FoxBot” for some time now, is listed as a partner to this DXpedition and has confirmed that the DXpedition will be using his FoxBot.”

John has since updated this post, noting “The SV5DKL logo has now been removed and the DX team will be in ‘full compliance’ with the mode.” Full compliance meaning following the rules set up by the ARRL DXCC rules.

The ARRL is, of course, against the use of robots. A recent ARRL Letter noted:

“ARRL has incorporated changes to the rules for all ARRL-sponsored contests and DXCC, prohibiting automated contacts and requiring that an actual operator is initiating and carrying out a contact. These changes also apply to Worked All States (including Triple Play and 5-Band WAS), Fred Fish W5FF Memorial, and VUCC awards. The changes are effective immediately and affect the rules for both HF contests, and VHF/UHF contests as well as DXCC.

“A resolution at the July ARRL Board of Directors meeting pointed to 'growing concern over fully automated contacts being made and claimed' for contest and for DXCC credit. The rules now require that each claimed contact include contemporaneous direct initiation by the operator on both sides of the contact. Initiation of a contact may either be local or remote.”

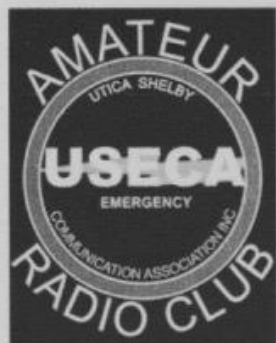
As AE5X says, however, the use of FT8 robots in the future is a certainty. Sooner or later, some DXpedition is going to use an FT8 robot without saying anything about it. How is the ARRL going to know that a DXpedition is using robots if the DXpedition operators don't tell them?

I'm wondering when some DXpedition is going to give up on SSB and CW altogether. Why bother with those modes when you can make hundreds or thousands more contacts by just operating FT8?

Another thought just occurred to me. If the ARRL gets its way and Techs are awarded HF digital privileges, how long will it take for some enterprising Tech to make the DXCC Honor Roll using FT8 exclusively. Oh, the horror of it all!

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Dan Romanchik, KB6NU, is the author of the KB6NU amateur radio blog ([KB6NU.Com](http://KB6NU.Com)), the “No Nonsense” amateur radio license study guides ([KB6NU.Com/study-guides/](http://KB6NU.Com/study-guides/)), and often appears on the IC-QPodcast ([icqpodcast.com](http://icqpodcast.com)). When he's not wondering when robots are going to take over the world, he likes to (manually) operate CW on the HF bands.



## U.S.E.C.A. Hamfest 2019

Sunday, October 27, 2019

8:00 AM - 1:00 PM

Vendors may set up at 6:30 AM

Talk-in on K8UO Repeater 147.180+ 100 Hz CTCSS

United Food & Commercial Workers Local 876 Hall

876 Horace Brown Drive Madison Heights, MI 48071

(2 blocks south of 13 Mile Road, between Stephenson Highway & John R Road)

Questions? Ask our Swap Chairman:

Gary Simms, KI8M, email: [ki8m@arrl.net](mailto:ki8m@arrl.net) 586-322-2134

New & Used Sales, Radio test bench, VE test session \*

DXCC card check available (Forms need to be filled out in advance. All bands & awards except 160m)

Great Door Prizes, food and Radio Raffle!

Swap admission is \$5.00 (Children under 12 are free) and each table is \$15.00

Tables should be purchased in advance. Limited tables may be available day of swap.

\*Note: VE testing is between 9-10 AM. Bring \$14.00 cash, photocopies of existing licenses to 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 Alec, NF8X, [nf8x@arrl.net](mailto:nf8x@arrl.net).

**VENDORS! DO NOT ATTACH ANYTHING TO THE WALLS!!**

Name \_\_\_\_\_ Call \_\_\_\_\_

Email \_\_\_\_\_ Phone # \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

# of Tables \_\_\_\_\_ # of Admission Tickets \_\_\_\_\_

Total Enclosed \$ \_\_\_\_\_

Special Requests \_\_\_\_\_

Checks for table reservations & admission tickets should be made payable to:  
USECA PO Box 46331 Mt. Clemens, MI 48046

## Improved ? RJ45 Connectors

From [ARRL Contest Update for September 4, 2019](#)

with pictures added by your Editor

Bill, K9HZ, suggested the following on the [SteppIR](#) reflector:

"The manufacturers of the RJ45's have made it easier on us old guys with failing eyesight over the past few years with ends that are much easier to put on than the originals. The originals required you to cut each wire the proper length and then put all wires together in the proper order in the tight channel of the RJ45 to the right depth and then crimp it.

Of late though, there are two flavors of RJ45 ends that make it a snap. The first kind allows you to make each individual wire as long as you want... then string it into the RJ45 and out through the front (see [this link](#) for examples by Klein Tools - Ed.). Once you get all of the wires strung through the holes, you crimp it and flush-cut the wires off the front of the RJ45.



A second type (see [this link for an example](#) - Ed.) has a carrier that you first thread wires of any length through to get them into the right positions, then cut them flush at the front of the carrier and put the carrier into the RJ-45 housing and crimp the whole mess. I've yet to have one of these fail in hundreds of installs. But then there is something to be said for letting someone else do it!"



Editor: The links have more pictures and information. Interesting improvements for those that might need to make some custom cables.

Do you feel like killing some time and want to surf the web viewing ham radio related sites? Check out <https://www.g4akc.co.uk>, a good site of "interesting stuff a ham does" and <https://g1kqh.blogspot.com/> which blog has (along the right side) a list of "Sites that do it for me links"

## Future Programs & Activities

Scott Hernalsteen, W8CQD — Activities Manager

October 2, 2019	Regular Meeting
November 6, 2019	Regular Meeting — Last chance to review 2019 Swap plans
December 1, 2019	<a href="#">L'Anse Creuse Swap!</a>
December 4, 2019	Regular Meeting — Elections
December 11, 2019	Annual Christmas Party/Dinner—at new venue <a href="#">Penne Lane</a>
January 8, 2020	Regular Meeting—NOT on the 1st, which is New Year's Day!
January 25/26, 2020	Winter Field Day

## L'Anse Creuse ARC Board Members – 2019

### President

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### Past President

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St Clair Shores, MI 48082  
(586) 775-1891  
[n8pyn@yahoo.com](mailto:n8pyn@yahoo.com)



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	John Huber	N8FYL
Call Sign ID Tags	Gregg Crump	N8GEO	TC email distribution		
Christmas Party	Cathy Chauvin	KC8WNK	Net Points Manager	Tom Mathison	WU8C
			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 ( <a href="http://n8lc.org">n8lc.org</a> )	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](mailto:n8fyl@arrl.net) or [editor@n8lc.org](mailto: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](mailto:w8fsa@arrl.net), 734-930-6564.  
Second Saturday of each month.

**Hazel Park**—Jerry Begel, W9NPI, [w9npi@arrl.net](mailto: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

December 1, 2019 at our swap. 2020 dates TBD at the Tucker Senior Center.

**Motor City** 313-676-6284

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

1st 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

### 10/20/2019 | [37th Annual Kalamazoo Hamfest & Amateur Radio Swap And Shop](#)

**Location:** Kalamazoo, MI    **Type:** ARRL Hamfest

**Sponsor:** Kalamazoo Amateur Radio Club & Southwest MI Amateur Radio Team

**Website:** <http://KalamazooHamFest.com>

[Learn More](#)

### 10/27/2019 | [U.S.E.C.A. Hamfest 2019](#)

**Location:** Madison Heights, MI    **Type:** ARRL Hamfest

**Sponsor:** Utica Shelby Emergency Communications Association

**Website:** <http://www.usecaarc.com>

[Learn More](#)

### 11/16/2019 | [Fort Wayne Hamfest and Computer Expo, ARRL Indiana Section Convention](#)

**Location:** Fort Wayne, IN

**Type:** ARRL Convention

**Sponsor:** Allen County Amateur Radio Technical Society

**Website:** <http://www.fortwaynehamfest.com>

[Learn More](#)

### 01/19/2020 | Hazel Park 54th Annual Swap

**Location:** Madison Heights, MI

**Type:** Hamfest

**Sponsor:** Hazel Park Amateur Radio Club

**Website:** <http://hparc.org>

[Learn More](#)

### 02/23/2020 | [Livonia ARC's 50th 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](#)

### 03/14/2020 | [Toledo Hamfest, ARRL Great Lakes Division Convention](#)

**Location:** Perrysburg, OH

**Type:** ARRL Convention

**Sponsor:** Toledo Mobile Radio Association

**Website:** <http://www.tmrahamradio.org>

[Learn More](#)

### 04/12/2020 | [3rd Annual Technology Expo](#)

**Location:** Madison Heights, MI

**Type:** ARRL Hamfest

**Sponsor:** GM Amateur Radio Club

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

[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
Thursday	0030	2030	2 M	FM	147.08+ MHz	Clem, W8VO	1st Thursday
						Wayne, WG8U	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+

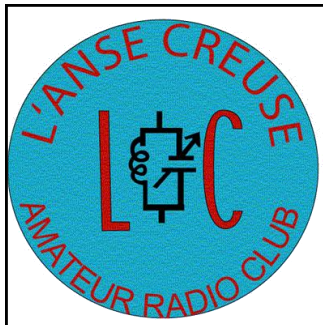
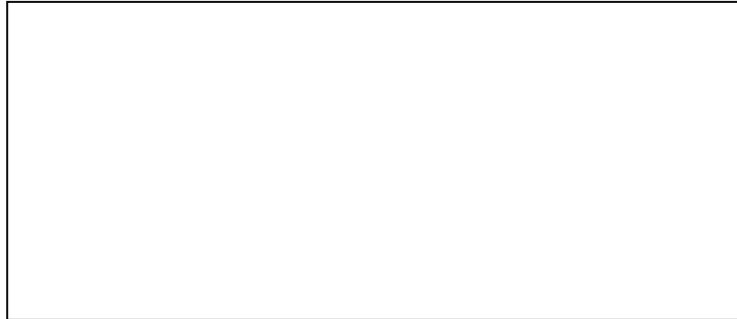
General Advanced Extra

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

## *The Tuned Circuit*

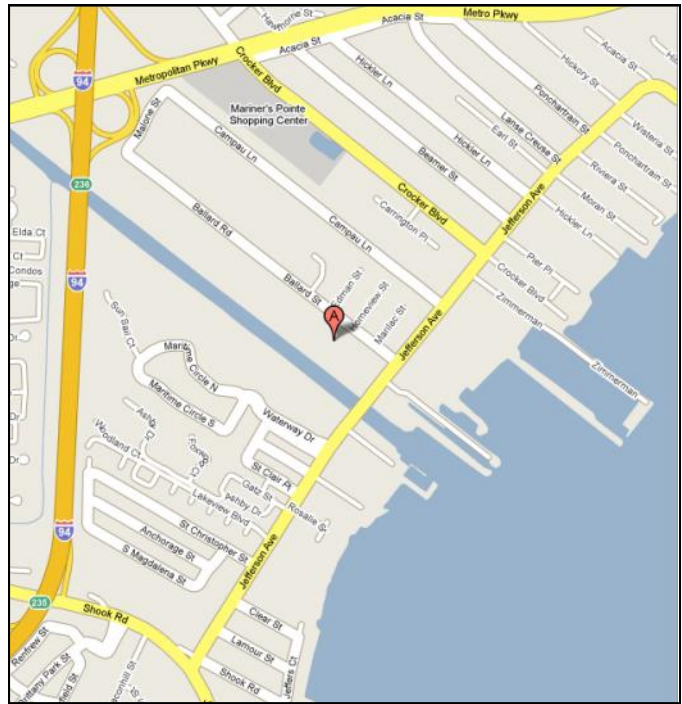
**Monthly Bulletin of the  
L'Anse Creuse Amateur Radio Club**  
29729 South River Rd  
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<http://www.n8lc.org>

E-mail: [info@n8lc.org](mailto:info@n8lc.org)



The L'Anse Creuse Amateur Radio Club meets at 7:00 pm the first Wednesday of each month, except during July and August. Meetings are held at Tucker Senior Center located at 26980 Ballard St, Harrison Township, MI 48045 unless indicated otherwise in the most current issue of the Tuned Circuit. Call-in on the Echo Repeater (N8LC) on 147.08 MHz (+ 600 KHz, 100 Hz PL tone) for any meeting information, or to ask a member for the location of the meeting.