

THE TUNED CIRCUIT

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

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**April TC
Deadline:
Monday
March 25th**

Next Meeting - **7:00 PM March 6th 2019** at the Tucker Senior Center (see [last page](#) for map and address).

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

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

THE PREZ SEZ

As always in Michigan the weather changes by the minute. The February meeting was on the day of an ice storm so we tabled a few items due to the attendance

I set my New Year's Resolution to get on the air more but that has not worked out. I have spent more time working with items to use with ham radio. I have purchased some Raspberry Pi units and will be starting to assemble some hot spots and getting into a digital HT. I may wait until Dayton as there are always deals and who know what new technology may be out by then.

I am impressed with the Raspberry Pi 3 B+ as there is more computing power in my hand within the size of a pack of cigarettes than there was in a computer room when I started in the field by in the early 80's. Technology is a wonderful thing.

One thing I would like to see is more members attend the board meetings or send me your thoughts on anything you think the club needs to address or thoughts for the board to discuss. We do not want to make decisions in a vacuum. We need your input to make sure we are taking the club in the direction that our members want.

So far being the President has been fun. I try to keep the meeting light but still follow the protocol required by the club.

We have a great group of members who are always willing to take on any tasks the club needs. Everyone is busy and I see many members giving up their spare time to help make this club enjoyable to be part of.

Thanks to all of you who continue to play a role in supporting us.

I am looking forward to seeing some of you at the monthly dinner on the 28, the next club meeting, and hopefully at the board meeting.

Ken - KD8RJN

CQ MIQP CQ MIQP N8LC MIQP
Michigan QSO Party April 20, 2019

Report of the Secretary

Submitted by Dave, N6WY

Meeting Called to Order:

The LCARC President (Ken, KD8RJN) called the 6 February 2019 LCARC general meeting to order at 7:07 PM. Ken delayed the start of the meeting to allow extra time for members to arrive. Tonight's meeting occurred on the day of an ice storm that closed many business and schools in southeast Michigan.

Roll Call. I counted a total of 15 members responding to roll call.

Meeting Minutes Approval. Meeting minutes as in the February *Tuned Circuit* Newsletter were approved after a motion made by Marty, K8HVI, and seconded by Cathy, KC8WNK.

Treasurer's Report by Gregg, N8GEO:

Total amount in the account is \$6635.53.

The Youth Fund has \$199.74.

The Repeater Fund has \$599.42.

Total Available \$5836.37.

Repeater Shack Heat. The heat bill for the repeater shack doubled last month to \$56.88. The repeater cabinet can be better insulated by wrapping a blanket around the cabinet.

Radio Raffle for LCARC Swap. Several members asked about buying a different radio for the LCARC Swap Raffle. Doug, N8PYN, will report on possible radios for the raffle at the March General Meeting. The treasurer is writing a \$50.00 check this month to the State of Michigan to pay the state's raffle fee. The 2019 LCARC swap date is 1 December.

Where's Doug?

Livonia ARC Hamfest in Livonia, MI on 16 February 2019 and Toledo Mobile Radio Association Hamfest in Perrysburg, OH on 17 March 2019.

Repeater Report by Doug, N8PYN:

Doug is waiting for warmer weather to work on the repeater. No feedback from Mi6WAN, the Internet Protocol (IP) based network that utilizes microwave, fiber and wireless connections.

Net Points Report from Clem, W8VO:

Name	Points	Name	Points	Name	Points
Wayne, WG8U	6200	Tom, WU8C	4750	Mike, AC8ER	800
Clem, W8VO	3200	Gregg, N8GEO	1600	Dave, N6WY	100

Membership and Tuned Circuit Report John, N8FYL:

Two members have not renewed. Membership is down to 68. The next Tuned Circuit deadline is 25 February.

Information about Members:

Ken, KD8RJN, said that his wife, Judy, is sending on behalf of the LCARC get well or sympathy cards to the following:

Illness. Debbie, KC8WHN, and Veronica (wife of Scott, W8CQD)

(Continued on page 3)

(Continued from page 2)

Surgery. Keith, W8KD, and Ralph, W8ROI. Both Keith and Ralph are recovering at home.
 Death. Connie (wife of silent key Ron, K8RFP).

Old Business:

Equipment Donation to Youth Fund. Russ, N8HAR, will present Rob, KG8DD, a Certificate of Appreciation for equipment donation and Gregg, N8GEO, will present Rose, K8VFR, a Certificate of Appreciation for equipment donation.

Winter Field Day (WFD). Gregg, N8GEO, reported that WFD went well with plenty of fun and food. Earning the bonus points for a contact using a satellite was a challenge. A contact was made and the bonus points increased the clubs total score. Marty, K8HVI, and Dale, K8RO spent the night in the Tucker Center. One lesson learned for WFD is both ends of the coaxes need to be labelled.

Lost Cart at LCARC Swap. Ken, KD8RJN, reported that Doug's, W8YNZ, cart was found and returned to Doug.

ARRL Clubs Web Site for L'ANSE CREUSE ARC. Ken, KD8RJN, corrected the meeting time on that web site. Ken is working on an official address to be listed on the ARRL web site for L'ANSE CREUSE ARC.

Monthly Dinner. The monthly dinner will be on Tuesday, February 26 at 6:00 PM at Johnny Black's Public House. A *Tuned Circuit* Newsletter Extra will have the details.

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 *The Tuned Circuit*.

VE Session. The next VE session is Monday 18 February (President's Day). Gregg, N8GEO, will confirm that the Tucker Center is open for the VE session on President's Day.

New Business:

Ham Radio Post License Training. Dan, KB6NU sent an email to Ken, KD8RJN, asking about interest in training for Hams that already have their license. This training is for newly licensed hams but could be extended for experienced hams. For more details see <https://www.kb6nu.com/program-help-new-hams/>. Ken, KD8RJN, also discussed other club activities that could increase LCARC's membership.

Meeting Refreshments. Jenny reported that her mother (Debbie, KC8WHN) cannot attend the next few meetings and bring the meeting refreshments. Russ, N8HAR, volunteered to bring the donuts and Gregg, N8GEO, will bring the pop.

Drawings:

Winner	Prize	Winner	Prize
Dennis, KE8FZX	\$14.50 (50/50 prize)	Dan, KR1NGL	Meter
Gregg, N8GEO	Wire Cutters	Bill, KE8IYB	Solder
Dennis, KE8FZX	Heat Shrink Tubing	Marty, K8HVI	Meter
Russ, N8HAR	Baofeng FRS Radios	Gregg, N8GEO	Book

Meeting Adjourned:

Marty, K8HVI, made the motion to adjourn and Russ, N8HAR, seconded. Meeting adjourned at 8:03 PM.

2019 Hamvention Rooms Info

Submitted on 2/17/19 by Gregg / N8GEO

Hey everyone Dayton is only about 3 months away, but the reservations are due by the end of March. So, start thinking about coming down this year. We are staying at the same hotel that we stayed at last year.

Here is the link. (shortened so it works here. Ed].

<https://goo.gl/X5LVcs>

Holiday Inn Express & Suites Dayton-Centerville

Map of the location: [Website](#)

[Directions](#)

Address: 5655 Wilmington Pike, Dayton, OH 45459

Phone: (937) 424-5757

The reservation is under “Crump” group.

It's \$159 per night (plus Tax) for either a King or Double Queen room.

It's a nice place and the staff is very friendly. It's also just far enough away from the Hamvention to stay out of the mess.

To make your reservation please call the above number and mention that you are with the “Crump” group

Give them the days that you will be staying and then give them your Credit Card number, and you will be all set. Once you make your reservation please drop me a line at (N8GEO@ARRL.net) and let me know that you are set and what type of room you have reserved (King or Double queen bed).

Hope to see you all down there . If you have not been since the move to Xenia you will be in for a nice surprise.

73

Gregg / N8GEO



Holiday Inn Express & Suites Dayton-Centerville
5655 Wilmington Pike, Dayton, OH 45459



The 2019 “Theme” is Amateur Radio ... Serving the Community

Received from AI/W8TRW on 2/21/2019:

Yesterday morning I received confirmation from the Hamvention Flea Market committee that our flea market club spots for L'Anse Creuse, N8LC, have been processed and will be mailed shortly. Our spot numbers are 7935, 7936, 7937 and 7938.

MARCH 6TH MEETING PROGRAM

The March program will be a video presentation about the differences between linear and switching power supplies



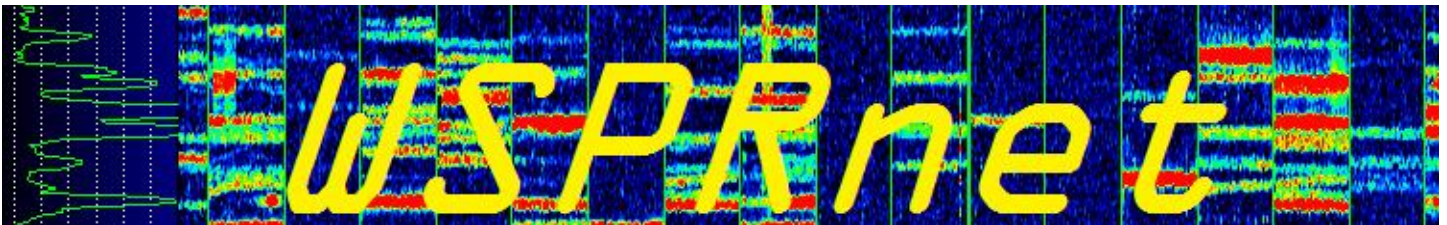
MEETING time is 7:00 PM



Membership Report

The annual February purge of former members who have not renewed is complete. The resulting membership count has settled at 68, of which 9 are Life members. Of the 59 regular members, 4 are enjoying the first year free experience.

John / N8FYL – 2/27/19



Request for WSPR signals

Christopher Morgan, K8NVH

For those of you who are experimenting with WSPR: Could you kindly send out a 6m signal on occasion?

I have set up a WSPR listening station (K8NVH/X) and cannot tell if the 6m channel is working.

For those of you who have never heard of WSPR: The Weak Signal Propagation Reporter is a digital protocol very much like a beacon. Your radio calls out "I am here" and other radios hear it and report to a database. You can find a map of such activity here: <http://wspr.vk7jj.com/> It is useful as an antenna-tuning tool. It is also fun to see how far your signals can go and which bands are "active" right now.

I have a Raspberry Pi monitoring 8 bands (LF, MF, and HF, also 6m) 24/7. The 6m band has extremely little activity. Feel free to check out any of the WSPR map sites and look at what is seen in station K8NVH/X. [Put K8NVH/X in the "RX Call" box at the top and then click "Search WSPRNet" button. Ed.] It is updated at 2-minute intervals.

-73-Chris

LCARC Winter Field Day 2019

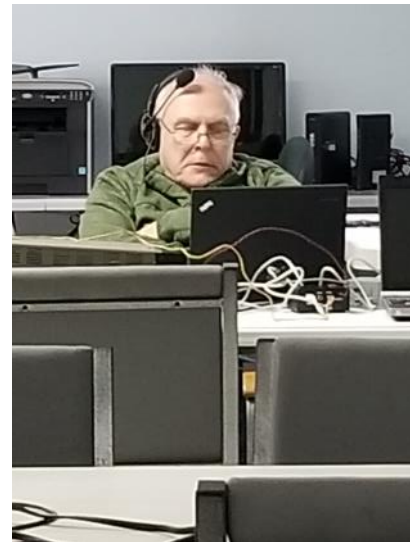
By the time you are reading this Winter Field day is just a good memory. This year's event was a blast. We had a pretty good turn out (14 folks that signed in) and of that 14 we had about 8 operators or loggers. Not bad for this 2nd annual event for our club. The weather was very cold and the snow was on the ground and in the air, but we were very comfortable sitting inside the Tucker Senior Center. Heat, tables and chairs, hot coffee, food, refrigerators and bathrooms no more than 30 feet away. Can't beat that. Over all a great place to have this event.

It all started at 9am Saturday with setting up equipment and antennas for the contest. Most stations were ready by the 2pm start time and off we went. Three stations were up and running with a few learning curves. The digital station needed some patience and tender loving care, but by 3pm I think it was up and making consistent contacts. People were showing up and helping out and/or operating, not to mention drinking coffee and eating snacks. Operators swapped in and out with others and loggers did the same. By 8pm the group started to thin out and by 10pm there were only two operators (one for CW and one for SSB). By 5am Sunday morning people started to show up and by 10 am we had a full house. A couple new folks came and some of the operators and loggers from the day before came back. The contest ended at 2pm and we started the task of breaking everything down and cleaning up the Tucker center. We were out of there around 3:30pm.

Over all we did a fine job. We managed to get 1500 points for operating with a generator, 1500 points for operating within a building that was not our home and 1500 points for making a satellite contact (this one we really earned). I didn't get the final count for points but I'm pretty sure that we had at least 2 times as many as last year. We'll need to wait and see once all the points are consolidated and verified to see how well we did compared to all other stations. No matter how we did in the points and ranking I can say that everyone had a great time and some were way more relaxed than others (see picture below). LOL



N8PYN takes it easy while "guarding" K8RO's hat.



And much later, K8RO takes a break!

Thanks to all that helped to make this a fun event, and those that shared knowledge with everyone to help us all become better operators. Keep this weekend (the last weekend in January) open on your calendar for next year's Winter Field Day. I can pretty much guarantee that you will have fun and learn a bit more about contesting and becoming a more skilled Ham operator.

The big picture—K8RO seated, KD8RJN in the light shirt, and the satellite antenna on the table.



N8REZ peers into the screen to see who is on the air.



K8RO spins the dial looking for signals.



Above & below N8HAR at one of the stations.



SSTV from Space ... and more

Submitted by Dave / N8HUL

I was able to snag a few photos February 15 and 16 from the International Space Station (ISS). Many were repeats as the station had a catalog of about 20 pictures, some of which I did not capture. Kind of fun to let the Kiron Sat Trak IV steer the antennas and just let the computer do the work.

I am using MMSSTV Version 1.13A and it works great with any computer with a sound card. Many times I park my HF rig on 14.230 on the weekends and just see what I can copy. Other times I call CQ and have a "visual QSO" with some other ham.

Another cool site to check out is: <http://www.wd7f.com/sstv/> When you call CQ, many times you will see your image appear on that site and it gives you an idea of propagation.

If anyone ever wants to see this [SSTV] in action or needs help in setting up the software, let me know. If you are on PSK31, FT8 or any of the other digital modes, you have everything [hardware wise Editor] you need.

73 Dave, N8HUL



LOCATING INTERFERING NOISE

Submitted by Clem / W8VO—Authored by Ralph WDOEJA

Unwanted noise is a big problem. With so many devices that make noise, it is a challenge to keep your receiver reception clean.

There are power line noises. When a power line or transformer arcs to ground, it can generate noise for several miles. The arcing can go on for years without burning anything out on the electrical grid.

There are noises generated by other electronic devices. Wall warts are notorious noise makers. It can wipe out the reception for HF.

Computers and tablets can generate noise, however if the power source is clean they are not as much of a problem.

Finding the source of man made noise can be a challenge. Noise will most likely appear around 7 Mhz the strongest. 3 - 4 Mhz can be almost as strong. Going lower to the 160 meter band may be quieter. At 10 MHz and higher the noise can be quite low.

The first place you want to look for noise is in your own home. Power up your receiver with a battery. Make sure you are hearing the interference well. Then go to your electrical panel. Turn off one breaker at a time. If one of the circuits drops the noise out, you got off easy. Now you can look for the offending device.

If it is a power line, it will be a bit more challenging. You can use an AM broadcast radio with a built in ferrite antenna. This will give you two directions that the noise may be in. However, sometimes the interference is not affecting the AM band much. That will require listening on the Amateur bands that are most affected.

Being able to receive in a vehicle may get you close by watching carefully the signal strength of the noise. Most power lines are delivered to a community by a three phase line. You will see three hot lines, normally in the same plan and a fourth line underneath.

From the three phase it can branch off to a single phase having only two wires on the pole. This line will feed the transformers that supply the homes.

Turning down the attenuator on your HF radio, you can locate the most intense spot the noise is being produce.

If you are able you can switch antennas on your vehicle to the ferrite antenna for the HF band you are listening to. This can be made from a ferrite rod. Wrapping a few windings of thin magnet wire on the rod and connecting it in parallel with a variable capacitor. A lesser number of winding can be added to the rod in the center of the rod and attached to a connector. With a little experimenting you can get the ferrite to resonate on the frequency you are listening to.

This will give a bi-directional antenna. Normally it will point to the pole, measuring signal strength. The strongest signal will put you close. Even with this arcing, you may not hear it.

Now what do you? Chain saw?, Shot gun?

Most power companies have sophisticated equipment for noise detection. This equipment may be unknown to much of the power companies staff. It would be best to contact an engineering or technical department to request help in finding the offending device. If you get the right person, the noise can normally be located quickly.

Confused Protestors Picket Dayton Hamfest, Then Leave

By HamHijinks.com

By WBØRUR, on the scene

Near DAYTON, Ohio – In what’s being called confusing and totally unexpected, about a dozen protestors showed up this morning at Hamvention.

People Advancing The Humane Treatment of Animals (PATHTA) protested in front of the Hamvention venue, advocating against alleged unsafe hog farming, growing and butchering practices.

“We will make these mad men stop!” exclaimed group leader Paula Smith-Taylor of Westchester, Vermont. “The unstoppable slaughter of hogs for food and profit must end!”

A group of ham radio operators headed to the [“Peanut Whistle Transmitters”](#) exhibit took a moment to visit with Smith-Taylor.

“She seemed genuinely surprised at what ‘ham radio’ actually meant,” says octogenarian Vince Bascoe of Cheyenne, Wyoming.

“After I explained it to her, she told the group to get back into her VW microbus for their next assignment.”

“We’re headed to Arkansas!” Smith-Taylor exclaimed as the van left the hamfest parking lot.

“We hear there’s fighting hogs there! We must stop the insanity!”

Editor’s Note: The Ohio Pork Producers are offering a fantastic bacon, lettuce and tomato sandwich for \$7.99 with drink. They are located at booth #8455. The funds raised go to assist with the [FCC’s “one kilohertz at a time” project](#).

HamHijinks.com

photo credit: [Rubin 110](#) via [photopin cc](#)



Confused protestors at Hamvention.

Thanks go to Henry /N8AT for alerting me (the editor) about this important human interest item!

Coolness sent from Florida — Like we need more cool in Michigan this winter!

By Tom / WU8C

Click this link radio.garden to get started, then click the “Play” button.

The green dots on the Google Earth represent a radio station any where in the world.

Click on any one of the dots and you will immediately listen to that station with very good sound.

Spatial Interference Filtering Techniques

Sent to the club by John / VE6EY

In 2018, I published a series on my web site about "Spatial Interference Filtering Techniques". The purpose of this information is to show hams and shortwave listeners some different ways to reduce interference and improve reception.

Spatial Interference Filtering, or beamforming, has traditionally been accomplished with analog components and phased antennas. Today, software defined radios can do beamforming and diversity reception digitally. This is accomplished with a dual-channel coherent SDR. By manipulating the phase and amplitude of IQ data, beamforming is easily achieved with two antennas. It's a great approach for diversity reception and interference cancellation. PowerSDR and Linrad both support these techniques.

These articles are located at <http://play.fallows.ca/wp/series/spatial-interference-filtering-techniques/>

Thanks for your consideration. If you have any questions or suggestions, please contact me.

73 John Fallows VE6EY
Calgary, Alberta, Canada



Fritz, KE8BFW, sent me the below with the subject
Late photo from Winter Field Day ...



Future Programs & Activities

Scott Hernalsteen, W8CQD — Activities Manager

- March 6, 2019 Regular Meeting
- April 3, 2019 Regular Meeting
- April 20, 2019 [Michigan QSO Party](#) (MIQP) [Some new info on the web as of 2/28/19]
(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

L'Anse Creuse ARC Board Members – 2019

President

Ken Janicki, KD8RJN
 55775 Nile Way
 Macomb, MI 48042-6188
 (586) 786-1408
kenjanicki@comcast.net

Treasurer

Gregg Crump, N8GEO
 29729 South River Rd
 Harrison Twp, MI 48045-3030
 (586) 477-0364
n8geo@arri.net

Past President

John Slobodnik, N8NXW
 79165 Omo Rd / PO Box 383
 Armada, MI 48005
 (586) 337-0045
jrslobodnik@hotmail.com

VP and President-Elect

Scott Hernalsteen, W8CQD
 40202 Vincenzia Dr
 Clinton Twp, MI 48038-4084
 586-201-5713
w8cqd@arri.net

ARRL Liaison

Gregg Crump, N8GEO
 29729 South River Rd
 Harrison Twp, MI 48045-3030
 (586) 477-0364
n8geo@arri.net

Technical Officer

Doug Chauvin, N8PYN
 29112 Elmwood St.
 St Clair Shores, MI 48082
 (586) 775-1891
n8pyn@yahoo.com

Secretary

Dave Garner, N6WY
 56312 Summit Dr
 Shelby Twp, MI 48316-5855
 (586) 677-3858
n6wy@arri.net

Activities Manager

Scott Hernalsteen, W8CQD
 40202 Vincenzia Dr
 Clinton Twp, MI 48038-4084
 586-201-5713
w8cqd@arri.net



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

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 Technology Swap](#)

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: Wexauke 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](#)

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
						Clem, W8VO	1st Thursday
						Wayne, WG8U	2nd Thursday
Thursday	0130	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)

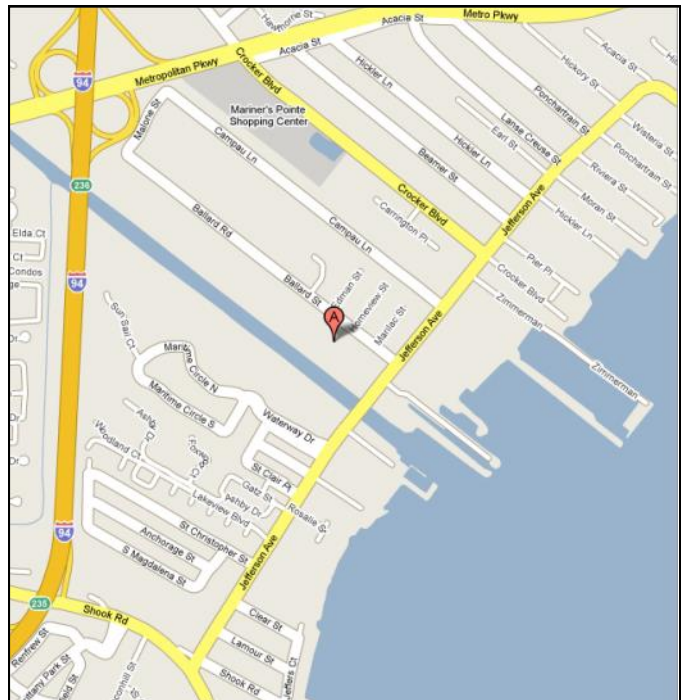
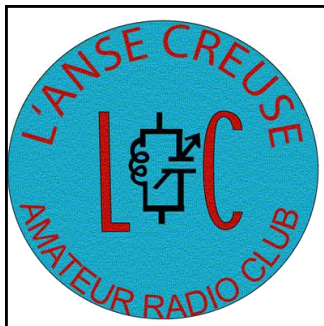
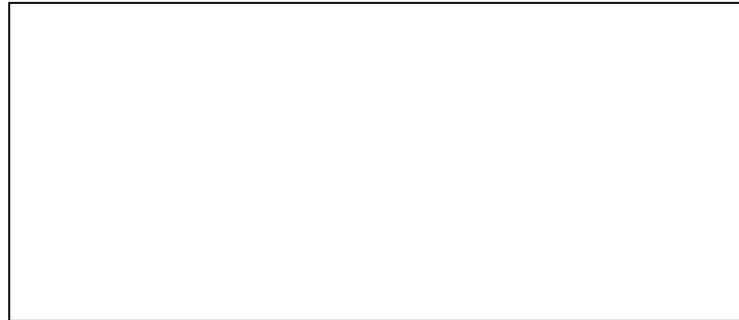
The Tuned Circuit

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.