

# THE TUNED CIRCUIT

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

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## MAY 2ND MEETING PROGRAM

The May program will be a video recording of a talk [Joe Taylor](#), K1JT, gave at the [MicroHAMS Digital Conference 2018](#) discussing [WSJT-X](#) and the digital modes it supports. [MicroHAMS](#) is (as their web page says) "a dynamic organization of hams in the Puget Sound area", and they are mostly Microsoft related hams per their [membership policy](#) "Membership in MicroHAMS is limited to current and former Microsoft employees, contractors, interns, or joint venture partners worldwide."



**MEETING time is 7:00 PM**



**June TC  
Deadline:  
May 28th**

Next Meeting - 7:00 PM May 2nd 2018 at the Tucker Senior Center (see [last page](#) for map and address).

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

The NEXT board meeting will be on Wednesday, May 9th, 2018.

The screenshot shows the WSJT-X software interface. The top window is 'WSJT-X - Wide Graph' displaying a frequency spectrum from 0 to 2200 kHz. The bottom window is 'WSJT-X v1.4.0 by K1JT' showing a 'Band Activity' table and 'Rx Frequency' details.

Band Activity					Rx Frequency				
UTC	dB	DT	Freq	Message	UTC	dB	DT	Freq	Message
1742	-17	0.0	1224	@ K1JT KF4RWA 73	1742	-17	0.0	1224	@ K1JT KF4RWA 73
1742	-24	0.0	1119	@ CQ GM7GAX IO75					
1742	-17	-0.0	1186	@ TF3G N7MQ CN84					
1742	-21	0.1	1290	@ CQ MOWAY IO82					
1742	0	-0.3	1345	@ K1JT N5KDV EM41					
1742	-11	0.0	1461	@ G7CNF N4HFA EL89					
1742	-4	1.2	1505	@ JA1KAU PD0JAC -23					

The interface also shows a frequency of 14.076 000 MHz, a date of 2014 Sep 09, and a time of 14:09:52. The 'Tx' section shows 'Tx JT9 @' and 'Tx 1224 Hz'.

# Report of the Secretary

Submitted by Dave, N6WY

**Meeting Called to Order:** The LCARC President, John, N8NXW, called the meeting to order at 7:08 PM.

## **New Visitor Introduction and Roll Call:**

I counted 23 people responding to roll call that included one new visitor. The new visitor was Mike, KE8JVR. Mike said that he wanted to be a member of the LCARC and several members encouraged Mike to complete the LCARC membership application.

## **Minutes Approval:**

John, N8FYL, made the motion to approve the minutes and Clem, W8VO, provided the second.

## **Tech Report and Where's Doug:**

The LCARC connection to the Sterling Heights internet is still disabled. Our network ports on the Sterling Heights internet connection were closed during a trouble shooting procedure performed by the Sterling Heights Internet Team and were not reopened. The repeater shack does have a temporary connection to the internet. Doug, N8PYN, is using an analyzer to determine if our connection to the city's internet can cause any problems. Preliminary indications are that our repeater shack connection to the city's internet is not the source of any problems. The next step is to connect the repeater shack back to the city's internet.

The next swap is the GMARC first annual Swap on Sunday 29 April from 10:00 AM until 3:00 PM.

## **Net Points:**

Clem, W8VO, announced the net points and awards.

Fritz, KE8BFW, received a certificate for 50 points,

Points	Award	Callsign	Name
6674	6650	WA8BU	Vince
6051	6050	WG8U	Wayne
4602	4600	WU8C	Tom
2970	2950	W8VO	Clem
1458	1450	N8GEO	Gregg

## **QSL Report:**

Dale, K8RO, said that there is an increase QSL activity because everyone is doing batch upload of their log and requesting eQSL's. Dale had over 100 requests last month and this month he had 62 that included 2 requests for paper QSLs.

## **Membership and Tuned Circuit:**

John, N8FYL, said that LCARC has 63 members and 23 April is the deadline for the next Tuned Circuit Newsletter.

## **Old Business:**

**Pictures of LCARC activities:** Ken, KD8RJN, is organizing the pictures on Facebook.

**WDIV Uplink Van:** During the last LCARC Board Meeting, the board members decided not to try to get the WDIV Uplink Van for the club.

**Macomb Community College (MCC) Tech Night:** The next MCC Tech Night is Thursday, 26 April at 7 PM at the Warren South Campus in Building S36. John, N8NXW, said that we have to schedule the MCC Tech

*(Continued on page 3)*

(Continued from page 2)

Night around the College schedule and he cannot give a long-range schedule for tech nights. The college has test equipment and antennas that can be used for experiments or personal projects. You do not need to have a project. Observers are welcomed. The MCC Tech Night is open to all and membership in LCARC is not required to participate.

**Certificate of Appreciation Awarded:** Marty, K8HVI, said that for the donation made by Ron, K8FRP, to the repeater fund, the LCARC gave Ron a Certificate of Appreciation. The presentation of the certificate was made by Doug, N8PYN, at Ron's house. Doug was at Ron's house helping him with his equipment.

**Michigan QSO Party:** The 2018 MIQP is the third weekend in April (21st and 22nd). A group is going to operate as N8LC from the Metamora-Hadley Recreation Area with a one SSB station and one CW station. Dale said that participants in the MIQP from their home stations can submit their logs and give their points to be added to the N8LC total points.

**Monthly Club Dinner:** Mark, N8REZ, picked Penne Lane located off of Hall Road 1/3 of a mile west of Gratiot. Reservations is under Mark Cast. Mark reserved the restaurant's private room.

**Repeater Tower Work:** Ken, KD8RJN, has prepared a letter that is a Request for Quote (RFQ) for upgrading the N8LC repeater tower antennas. He is asking members to review the RFQ and make any corrections or additions.

Doug, N8PYN, said that all cables have connectors, but an inspection may indicate that some need to be replaced.

**USECA Hamvention Bus:** Ken, KD8RJN, said that the bus needs 11 more people to prevent cancellation.

**Meeting Start Time:** Ted, NW8W, made a motion to move the meeting start time back to 7:30 PM.

Kathy, KC8WVK, said we have a problem with the security system for activity in Tucker Center after 9:00 PM. The motion was tabled to the next meeting when Gregg, N8GEO, could tell us about the Tucker Center security system.

### Drawings:

Winner	Prize	Winner	Prize
Clem, W8VO	Power Strip	Doug, N8PYN	Case
Ken, KD8RJN	Ammo Box	Ted, NW8W	Nut Driver Set
Larry, KE8LEB	Test Leads	Ted, NW8W	Flash Light

**No Treasurer's Report:** (Treasurer N8GEO was not present)

Cathy, KC8WVK, collected \$12.75 for tonight's snack.

The drawing tonight collected \$41.00.

### Meeting Adjourned:

#### µBITX Transceiver Presentation:

Doug, N8PYN, did a show and tell on the µBITX transceiver kit that he built. The kit consists of a small 6 inches by 5-1/2 inch board with minimum wires and controls that you can drop into any box and wire up within an evening. When completed, the transceiver kit is a general coverage, 10 watts HF SSB/CW transceiver. It works from 3 MHz to 30 MHz, with up to 10 watts on SSB and CW, with a very sensitive receiver. [Slides available at <http://www.n8lc.org/bitx.pdf> ]

CQ MIQP CQ MIQP N8LC MIQP

**Michigan QSO Party 2018**

**The LCARC  
operates the  
Michigan QSO  
Party from**

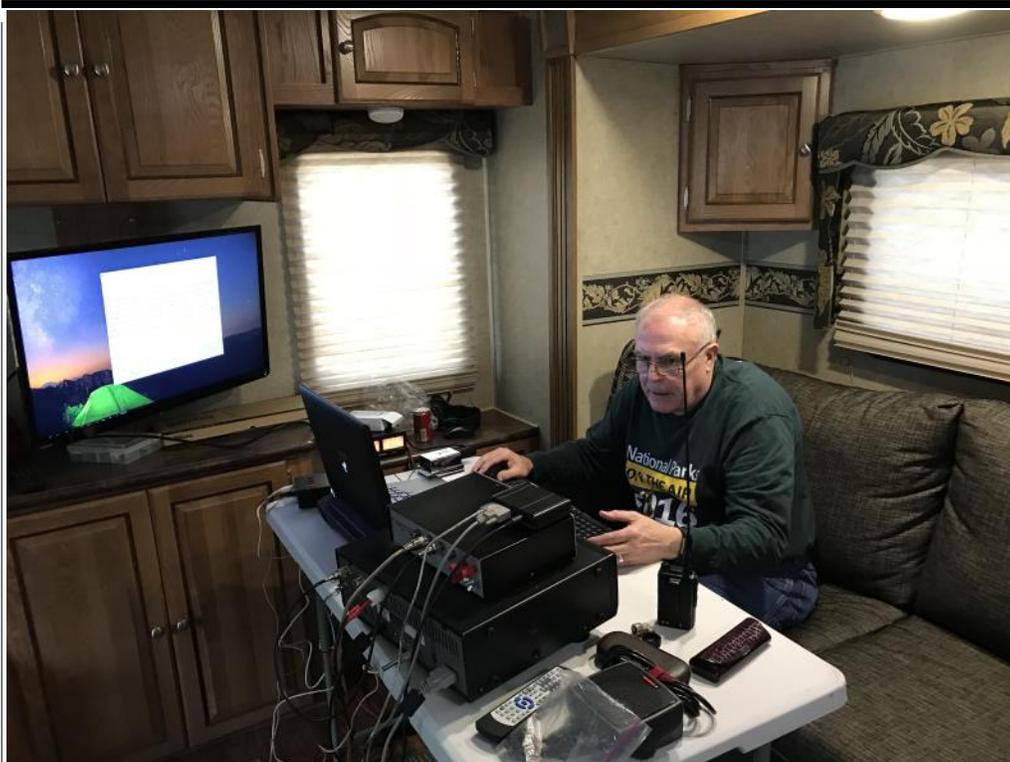


**in Lapeer  
County using  
the club call  
N8LC.**

This year was another visit to the [Metamora-Hadley Recreation Area](#) in Lapeer county. Unlike previous years, the crew set up in the south campground instead of the north one. On Friday the MIQP aficionados (Marty/K8HVI, Dale/K8RO, Matt/KD8LLT, Gregg/N8GEO and Robin) set up 2 stations. One SSB station housed in the K8HVI pop-up camper, and one CW (no digital modes used in MIQP) station in the K8RO travel trailer. Doug/N8PYN and Cathy/KC8WNK and Scott/W8CQD visited the site on Saturday. After the contest, I (N8FYL) had 3 Lapeer county stations in my log, so N8LC was not the only fixed operation in Lapeer county. As I (N8FYL) write this, the N8LC submitted claimed score of 110522 is in second place in the Multi-OP Multi-transmitter class. The KA80 multi/multi entry (with 5 stations!) is in first with a claimed score of 261877. Wow. The only other club member to have submitted a log to the MIQP sponsors (as of 4/26/18 2 PM) is John/N8FYL, who is in 3rd place in the Fixed-single operator-low power class, but likely to move to 4th based on score data posted on [3830scores.com](#) for the MIQP. Scott/W8CQD and Matt/KD8LLT have provided some pictures from the event.



Here's the K8RO "operating enclosure" nestled among the tall antenna supports! K8RO himself is out enjoying a bit of the spring warmth.



The contest is under way, and K8RO is starting to “put them in the log” at 12:05 PM (according to this W8CQD photo’s time stamp details).

Observe the Yaesu FTdx1200 radio with the tuner on the top.



Later on, in this photo provided by KD8LLT, we see a different radio! That’s the control head for KD8LLT’s Kenwood TS-480.

Whaaat????

Below we observe N8GEO at one of his favorite activities ... eating!

It seems that sometime during the afternoon, the FTdx1200 exhibited some flaky behavior and shut itself down. A power up/reboot and a bit later, down again. Repeat a couple more times, and they decided to replace the radio with the Kenwood TS-480. Swap completed, N3FJP software re-configured, and Dale is back at it, pushing the laptop buttons and paddling away as required. Later on K8HVI suggested that the symptoms sounded like a DC power problem. Some investigation by K8RO then seemed to conclude that indeed, a DC power issue most likely was the problem. [I (N8FYL) don’t remember the exact details about the power connection that I heard at the Wednesday breakfast.—We’ll get the story straight at the meeting!]



## “Alexa, help me with ham radio”

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

I have had an Amazon Alexa for nearly a year now. Mostly, I just use it to listen to internet radio stations or tell me a joke, but I think it has more potential than that. For example, I've written before about how I'd like to develop an Alexa skill to control my IC-7300. I haven't gotten around to that yet, but, Joe, N3HEE, has just published an Alexa skill called Continuous Wave. It's designed to help you learn Morse Code.

To use this skill, you have to first enable it. Once enabled, say, “Alexa, open Continuous Wave.” This opens the skill at the main menu. You can then say any of the following at any voice prompt...

- Learn
- Practice
- Alphabet
- Common words
- Random words
- Words
- Sentences
- Call signs
- Contest
- Quick Brown Fox
- QSO
- Help
- Stop – To end your session.

I've just played around with this app for a short time, but I've found it to be quite entertaining. It does, however, have one big drawback. You can't set the speed. It's currently limited to sending at 20 words per minute only.

Also, the learn function could use a little refining. When you give the command “learn,” it asks you for a character, sends that character three times, and then asks you for another. If you could set the speed at which the skill sends characters, it could teach a character like the K7QO Code Course, first

sending the character slowly, then ramping up the speed.

Overall, though, I think this is a great first shot at a usable Alexa skill for teaching Morse Code. I hope this is the first of many versions of this skill.

### Other ham radio skills

While I was poking around on Amazon, I decided to see what other amateur radio skills might be available. Here are a few that I found:

- Ham Exam. Ask Alexa to ask you questions from the Technician Class question pool.
- Ham Lookup. Allows you to look up amateurs by call sign. Information is provided from the callbook.info database.
- Ham Radio Propagation Forecast. Reports the latest forecasts directly from HamQSL (run by NONBH).
- ARRL Audio News. Adds ARRL Audio News to your Alexa flash briefing.

### Building your own voice app

The Continuous Wave Alexa skill was developed using tools found at VoiceApps.Com. Two other websites—Pullstring and StoryLine—also have tools to help you build voice apps. And, Amazon has an online tutorial that will teach you how to build an Alexa app. I'm just getting started with these tools, so I can't recommend one over the others, but they do look like they'll make developing voice apps easier.

Since I'm currently in the process of updating my No Nonsense Technician Class License Study Guide, it occurs to me that I should also develop an Alexa skill for drilling students on test questions. I guess you could call them audio flashcards. Stay tuned for that.

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When he's not trying to figure out how to build voice apps, Dan blogs about amateur radio at [KB6NU.Com](http://KB6NU.Com), teaches amateur radio classes, and operates CW on the HF bands. Look for him on 30m, 40m, and 80m. You can email him about the voice apps that you like at [cwgeek@kb6nu.com](mailto:cwgeek@kb6nu.com)

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## Membership Report

No change in the numbers this month: 63 members: 54 regular members (4 of whom are enjoying their “first year free” experience), and 9 life members.

I counted 21 members and two visitors (old friend of L’Anse Creuse, Fred/WB8ITB, and newly licensed Mike/KE8JBR) present at the April meeting.

N8FYL 4/24/18



Dayton  
Hamvention®

### Dayton Youth Forum

The 2018 Dayton Youth Forum is about 3 weeks away! The Youth Forum is Saturday morning (May 19th) from 9:15 AM, to 12:00 PM, in Room 2. Every L’Anse Creuse member at the Hamvention will not be interested in sitting there for three hours, but it would be nice to see some members there during the last hour or so, to possibly get some recognition for our ongoing contributions to the Youth Forum.

Several ham gear distributors are donating prizes for the Adult Raffle and some great HF rigs and HTs have been taken home by lucky adults who were present. Since you have to be present to **win** door prizes, it is not just a matter of going in and filling out a ticket and then leaving. In past years there has been a cut off time when no more tickets were available to late arrivals hoping to get in on the drawings, and not being present for any presentations. Plan accordingly to represent out club and maximize your possibility of leaving with a prize.

### General Class Upgrade Course !

For the first time ever at a Hamvention, a General Class Upgrade Course will be offered. Have a Technician license and looking to upgrade? This course is for YOU! The course will be held Saturday May 19th 9:00 until 4:00 right at Hamvention. Shop on Friday and upgrade on Saturday! Exams will be given at the conclusion of class. The course comes complete with pre-class study materials and a pre-class video session. Students **must** enroll early to prepare for the all-day session. The world of HF and DX awaits you. Enroll in the class today!

Full details on the General upgrade class are at: <http://www.hamclass.net/hamvgen.html> or contact W1SJ at [w1sj@arrl.net](mailto:w1sj@arrl.net) or 802-879-6589.

### Night Out on the Town – May Flowers!

No update received by publication time of *The Tuned Circuit*

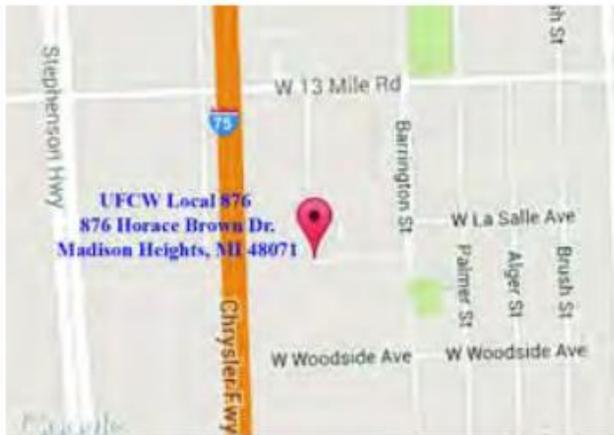


**Amateur  
Radio  
Club**

**1st Annual Technology Swap  
Sunday - April 29, 2018  
10:00 AM until 3:00 PM**

**\*\*\* HAM Radio, Computer & Robotic Maker's EXPO \*\*\*  
Madison Place Convention Ctr - 876 Horace Brown Dr - Madison Hts**

WW8GM - Talk-in 443.075 MHz + 123 Hz PL  
*ARRL VE Testing Session - 11:00 AM*  
Tables \$15.00 (in Advance) • \$18.00 (at the Door)  
Tickets \$5.00 (in Advance) • \$6.00 (at the Door)  
Early Admission (9:30 AM) \$10.00 (in Advance only)  
*NEW for VENDORS!*  
**Vendor set-up time with paid admission**  
**April 29th 6:30 AM - 10:00 AM**



an ARRL Approved  
Hamfest

**PRIZES**  
**1ST**  
**CASH PRIZE \$100.00**  
**2ND**  
**CASH PRIZE \$50.00**  
**3RD**  
**CASH PRIZE \$25.00**

E-Mail Address: [Swap@gmarc.org](mailto:Swap@gmarc.org)  
Phone: Mike Carelli W8MJC (248) 835-9545  
**OnLine Ticket / Table Order: [www.gmarc.org/SwapInfo/](http://www.gmarc.org/SwapInfo/)**

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

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

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

**TABLE RESERVATIONS MUST BE RECEIVED BY APRIL 1, 2018**

The Wexaukee Amateur Radio Club Presents the 58TH Annual

# Cadillac Amateur Radio And Computer Swap



**Saturday May 5, 2018**



**ARRL CARD  
CHECKER  
ON SITE!**

**Doors Open at 8:00 A.M.  
Admission \$5.00  
Cadillac Junior High  
School  
500 Chestnut Street**

**MEETINGS  
FOR  
U.P.NET &  
QCWA**

**Talk In 146.98 Repeater K8CAD (no pl)**

**Food and Parking at the School  
Website <http://www.wexaukeearc.org>**

**THANKS TO OUR PRIZE DONORS**

**BUCKMASTER  
INTERNATIONAL, LLC**  
[www.hamcall.net](http://www.hamcall.net)



**DX  
ENGINEERING**  
[www.DXEngineering.com](http://www.DXEngineering.com)



[www.cometantenna.com](http://www.cometantenna.com)



[www.universal-radio.com](http://www.universal-radio.com)

**HAMMOND  
MANUFACTURING**  
[www.hammondmfg.com](http://www.hammondmfg.com)



[www.qsradio.com](http://www.qsradio.com)



# MONROE HAMFEST

and Computer Show

## Father's Day - June 17, 2018

7:30am to 1:00pm - Set-up 6:30am Presented by:  
The Monroe County Radio Communications Association

### Monroe County Fairgrounds

M-50 at Raisinville Rd. (2 Miles west of Monroe)

FREE PARKING

Indoor Facilities / Trunk Sales

Computers and Equipment

Distributors / Hot Food

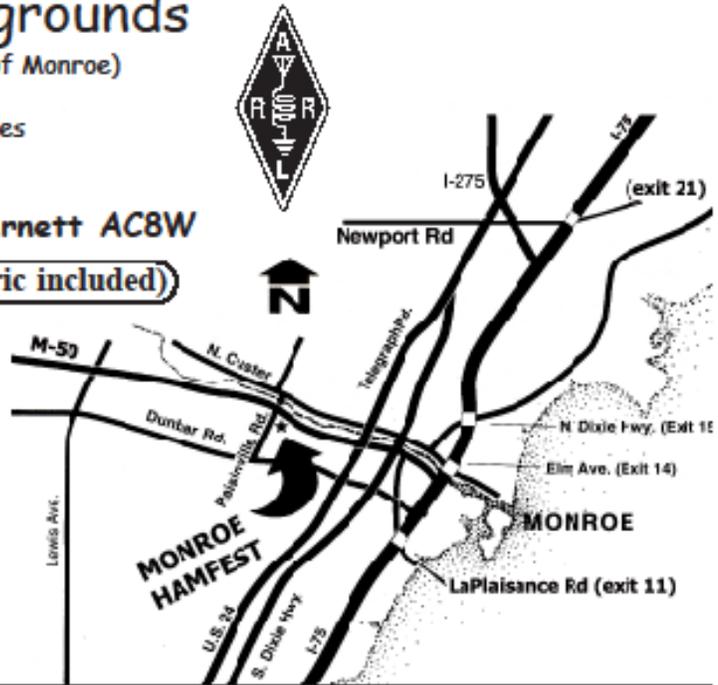
QSL Card checking by Stan Arnett AC8W

Over Night Camping \$30 (electric included)

Tables indoor 8': \$15 each, does not include admission ticket. Electric available in all buildings, bring cords.

Trunk 10' Spaces: \$10 each, does not include admission ticket.

Tickets Advance \$6 each.



Ticket, Trunk Sales, & Table Reservations online at: <http://www.mcrca.org>

Mail to: Fred VanDaele KA8EBI, 4 Carl Drive, Monroe, MI 48162, [ka8ebi@yahoo.com](mailto:ka8ebi@yahoo.com)

Name \_\_\_\_\_ Call \_\_\_\_\_ e-mail \_\_\_\_\_

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

Tickets \_\_\_\_\_ Trunk Spaces \_\_\_\_\_ Tables \_\_\_\_\_ Amount Enclosed \_\_\_\_\_

Advance Tickets \$6 ea. / 10 ft Trunk Spaces \$10 ea. / 8 ft Tables \$15 ea.

## 2017 Mind Over Matter Bike Event

Please mark your calendar for the [Mind Over Matter Bicycle event](#). The date is Saturday, August 4, 2018 from approximately 7 AM until noon. The location will be Lake St. Clair Metro Park (formerly known as Metro Beach), [Seawall Shelter](#) (New location for 2018). Radio operators are needed to help ensure a safe and enjoyable experience for all participants. The event features three routes:

- 1) The 2.5 to 5.0 mile route stays on the bike path in Lake St. Clair Metropark.
- 2) The 25 mile route ventures on the bike path out of Lake St. Clair Metropark to the Freedom Hill Loop in Sterling Heights and back.
- 3) The 40 mile route is for the more AVID cyclist, riding along Lake St. Clair Metropark to Windmill Pointe Park (Grosse Pointe) and back.

The event is capped off with lunch and an awards ceremony. I am looking for radio operators for the following positions:

- Net Control
- SAG Vehicle
- Bicycle mobile
- Fixed position at either a water stop or at a major intersection.

Please let me know if you can help.

Bob George, KB8QYJ

[KB8QYJ@ARRL.net](mailto:KB8QYJ@ARRL.net)



## Future Programs & Activities

Scott Hernalsteen, W8CQD — Activities Manager

- May 2, 2018 Regular meeting— Joe Taylor & WSJT-X modes video
- May 18 – 20, 2018 “Dayton” [Hamvention](#)
- June 6, 2018 Regular meeting & Fox Hunt!
- June 23/24, 2018 [ARRL Field Day](#) [Note: FD is the 4th FULL weekend in June NOT June 30th!]
- July 6 & 7, 2018 ARRL Michigan Section Summer Outing [projected date—Editor]
- August 4, 2018 14th Annual [Mind Over Matter ALZ Cycling Event](#)
- September 5, 2018 Regular meeting—start of the 2018-2019 club year

## L'Anse Creuse ARC Board Members – 2018

**President**

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[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	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 TC email distribution	John Huber	N8FYL
Christmas Party	Keith Harris	W8KD	Net Points Manager	Tom Mathison	WU8C
Club Apparel & Patches	Scott Hernalsteen	W8CQD	Net Points Upgrade Awards	Gregg Crump	N8GEO
Club Call Trustee - K8AYZ	Ted Bak	K8EO	TC Postal Distribution	Vince Cuker	WA8BIJ
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	Cliff Ibbs	AB8XQ
Echo Repeater Trustee	Marty Folz	K8HVI	Webpage ( <a href="http://n8lc.org">n8lc.org</a> )	Doug Chauvin	N8PYN
Field Day			Webpage Assistant	Marty Folz	K8HVI
Health & Welfare			Youth Forum (50/50) [Alternate]	Ralph Irish John Slobodnik	W8ROI 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](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

**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

**LCARC**

February 6, 2018 and May 21, 2018 at the Tucker Senior Center.

## Online Practice Exams and Morse Resources

Online Practice Exams

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

<http://www.qrz.com/testing.html>

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

Morse Code

Learn CW Online <http://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

04/29/2018 | [1st 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](#)

05/05/2018 | [Cadillac Hamfest](#)

**Location:** Cadillac, MI

**Type:** ARRL Hamfest

**Sponsor:** Wexaukeee Amateur Radio Club

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

[Learn More](#)

05/18/2018 | [2018 Dayton Hamvention](#)

**Location:** Xenia, OH **Type:** non-ARRL Hamfest

**Sponsor:** Dayton Amateur Radio Association

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

[Learn More](#)

06/03/2018 | [Chelsea Amateur Radio Swapmeet](#)

**Location:** Chelsea, MI

**Type:** ARRL Hamfest

**Sponsor:** Chelsea Amateur Radio Club

**Website:** <http://wd8iel.com>

[Learn More](#)

06/16/2018 | [Midland ARC Hamfest](#)

**Location:** Midland, MI

**Type:** ARRL Hamfest

**Sponsor:** Midland Amateur Radio Club (W8KEA)

**Website:** <http://www.w8kea.org>

[Learn More](#)

06/17/2018 | [Monroe Hamfest](#)

**Location:** Monroe, MI

**Type:** ARRL Hamfest

**Sponsor:** Monroe County Radio Communications Association

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

[Learn More](#)

07/21/2018 | [Gladwin Area ARC Hamfest](#)

**Location:** Gladwin, MI

**Type:** ARRL Hamfest

**Sponsor:** Gladwin Area Amateur Radio Club

[Learn More](#)

07/28/2018 | [Central Michigan ARC Hamfest](#)

**Location:** Lansing, MI

**Type:** ARRL Hamfest

**Sponsor:** Central Michigan Amateur Radio Club

**Website:** <http://www.centralmiarc.com/outdoorhamfest.php>

[Learn More](#)

## L'Anse Creuse Amateur Radio Club Nets

Day	Time		Band	Mode	Frequency	Net Control	Calendar
	UTC	EDT					
Monday	2330	1930	15 M	CW	21.165 MHz	Vince, WA8BIJ	Every Monday
Monday	0030	2030	15 M	USB	21.395 MHz	Clem, W8VO	Every Monday
Monday	0100	2100	6 M	USB	50.160 MHz	Gregg, N8GEO	Every Monday
Tuesday	0000	2000	2 M	Packet	144.93 MHz	Vince, WA8BIJ	Every Tuesday (Connect to detqso)
Thursday	2330	1930	10 M	USB	28.435 MHz	Wayne WG8U	Every Thursday
						Clem, W8VO	1st Thursday
						Wayne, WG8U	2nd Thursday
Thursday	0030	2030	2 M	FM	147.08+ MHz	Gregg, N8GEO	3rd Thursday
						Rose, K8VFR	4th Thursday
						Vince, WA8BIJ	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, 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

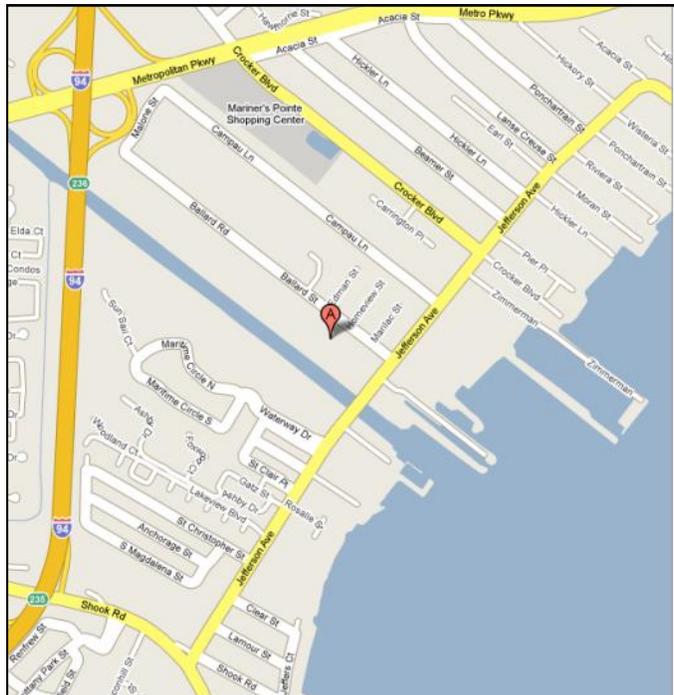
I am an ARRL Member: ( Y / N / Life )

# *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](mailto:info@n8lc.org)

First  
Class  
Postage



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.