

THE TUNED CIRCUIT

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

INSIDE THIS ISSUE:

[Click the link to jump to the item]

[March Meeting Program](#)

[The Secretary's Report](#)

[Membership Report](#)

[Future Programs](#)

[Upcoming Swaps](#)

[Club Nets](#)

**March TC
Deadline:
February 26th**

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

Meeting Program - The program for our February meeting will be as reported on [page 2!](#)

The NEXT board meeting will be on Wednesday, March 14th, 2018.



Recent Echo Repeater Site Internet access Activity

I'm sure we will get a detailed status report at the regular meeting, but meanwhile a couple of photos.



Above is Dale / K8RO installing the Ubiquiti NanoStation loco M5 unit on the Sterling Heights Fire station roof (using an available mast). This was on Thursday, January 11th, which was the warmest day in January. 50+ degrees! Above on the right is the view the fire station radio has of the Ubiquiti unit on the repeater hut building (barely visible). Following the Ubiquiti install, K8RO, N8FYL and N8PYN installed and routed the CAT5 cable into the building and connected it to the building's network. While we were on site, network connectivity from the "shack" to the fire station was confirmed operational. To the right is Marty / K8HVI installing the permanent, UV resistant CAT 5 cable on the repeater end of the wireless internet link that will bring internet access into the Echo repeater site. January 20th was a cooler 45F.



FEBRUARY 7TH MEETING PROGRAM



MEETING time is 7:00 PM



Activities Manager Scott / W8CQD reports that the February meeting program will be a video of the ARRL webinar about using CHIRP.

NOT this kind!——>



Your editor gleaned more information from the Internet. Let's hope it is close to accurate <grin>:

The ARRL hosted this CHIRP Radio Programming webinar on Wednesday, October 19, at 8 PM ET (0000 UTC on Thursday, October 20, in US time zones).

This presentation will offer a brief overview of the free, open-source CHIRP software, which can be used to program most radios.

Attendees will learn: What CHIRP is, which radios are supported, how to get CHIRP, and how to troubleshoot CHIRP. Presenter James Lee, N1DDK, became active in CHIRP development for the initial TYT9800 driver. He is a hardware development engineer for Qualcomm.



[Or this kind of chirp, either HiHi]

Membership Report

The membership count as I write this is at 67 members: 58 regular members (5 of whom are enjoying their “first year free” experience), and 9 life members.

Baring any last minute renewals, after the February meeting we will lose 6 members from the roll and will be at 61 members; 9 life, and 52 regular, of which 4 will be “first year free” members. Those who have not renewed by (or at) the February 2018 meeting will no longer receive *The Tuned Circuit*.

I counted 17 members and one visitor present at the January meeting.

I have recently audited the members of “the reflector”, which is a restricted Yahoo group “[lcradioclub](#)”. Of the 59 group members I have determined that 18 are not active club members. I expect to remove most, if not all, of them soon.

If you are not currently a member of the lcradioclub group, you can join! I don't know all the possible ways to join, but to get the full experience you will need a Yahoo account (does NOT mean you have to use Yahoo mail). Navigate to the lcradioclub group page and click the “+ Join Group” button. After the moderator approves your request, you will be “on the reflector”!

John N8FYL
1/29/18



Report of the Secretary

Submitted by Dave, N6WY

General Meeting Minutes for January 3, 2018

General Items:

The January 3, 2018 L'Anse Creuse general meeting was called to order at 7:05 PM by the club's President John, N8NXW. A total of 18 members and zero guests were present.

Debbie, KC8WHN, made the motion to approve the minutes. The second was lost in QRM. Minutes were approved.

Treasurer's Report:

Gregg, N8GEO, reported that a total of \$5182.61 is in the club account of which \$95.74 is allocated to the Youth Forum fund and \$763.37 to the repeater fund. The total amount not allocated is \$4323.50. The club will be reimbursed \$1080.00 for the cost of the swap's radio raffle. After reimbursement, the new total amount not allocated is \$5403.50.

All swap bills are paid.

Dale, K8RO, said that the \$300.00 deposit for having the swap will be refunded.

Technical Report:

Doug, N8PYN, was ill and not present. Marty, K8HVI, gave the Technical Report.

The repeater shack Wi-Fi radio is installed. We now have useable internet in the shack but the internet connection and speed will be greatly improved when the Wi-Fi radio is installed in the fire station.

The City of Sterling Heights is still planning on maintaining the backup generator.

Where's Doug:

Doug, N8PYN, will be at the Hazel Park swap in January. The L'Anse Creuse club will have a table at the Hazel Park swap.

Net Point:

Clem, W8VO, announced Vince, WA8BIJ, has 6600 points.

Membership Report and Tuned Circuit News Letter:

John, N8FYL, said that a complete membership report is in the Tuned Circuit Newsletter. The membership count at the time of this meeting is at 67 members: 58 regular dues paying members and 9 life members.

The next newsletter deadline is 29 January 2018.

Old Business:

Gregg, N8GEO, said that for Winter Field Day, we have the Tucker Senior Center from 10 AM to 10 PM. Winter field day starts at 2 PM on 27 January 2018. The members that are setting up a station must bring all items needed for a portable station. Check the club reflector for more details and to sign up for winter field day potluck.

Gregg, N8GEO, has reserved the Tucker Senior Center for a VE exam 6 February 2018 from 6:30 to 9:00 PM. Gregg is coordinating with Vince, WA8BIJ, for another date.

A "Night Out on the Town" is set for 23 January 2018 at Big Al's Firehouse located at 49035 Schoenherr Rd near 22 Mile and Schoenherr. Each person must pay for what they order.

John, N8NXW, reminded all that the Macomb Community College tech night is January 29, 2018 at 7:00 PM at the Warren campus in the S Building in Room S136.

Gregg, N8GEO, has approval for the club meetings at the Tucker Senior Center to run as late as 9:55 PM. We can run later if security is notified. Gregg is working on a procedure that allows a club member to have access to a key to the Tucker Senior Center.

John, N8NXW, said that the next board meeting is 10 January at Roseann's (15 Mile and Gratiot). The official start is 7:00 to eat and 7:30 for business.

(Continued on page 4)

(Continued from page 3)

New Business:

At our last club meeting there was a discussion about the limited hours of availability for our meeting at the Tucker Senior Center. Ken, KD8RJN, found another option to the Tucker Senior Center for our meeting. The other option is "[The Double D Bar & Grill](#)" that is located on North River Road across the street from the old Gibraltar Trade Center just off the I-94 West Bound exit. This option is probably not required now that our club meetings can last longer in the Tucker Senior Center. There was general agreement to keep the Double D as a backup or alternate location for our club activities. The Double D has a separate closed off meeting room that seats 65 people and it is free to use. The room is available the first Wednesday of each month. We have the option on food and drinks being served before, during, or after our meeting. With the Tucker Senior Center giving our club extra time for our meetings, we do not need a new meeting location.

Ron, K8RFP, will be recognized at the March meeting for his monetary contribution to the Club. Vince, WA8BIJ, agreed to make the certificate.

Meeting Adjournment:

Dale, K8RO, moved that we close the meeting so that we can start the White Elephant Party. Marty, K8HVI, seconded the motion. Formal meeting adjourned at 8:12 PM.

Drawing and White Elephant:

Ken, KD8RJN, won the 50/50 drawing prize of \$17.00.

All seemed to have a good time with the White Elephant exchange. Fritz, KE8BFW, started the party by winning the first and second chance to select an unknown wrapped white elephant item. Many people who showed their white elephant item had it stolen and had to choose another unknown white elephant.

Board meeting Minutes

Board Meeting Minutes for January 10, 2018

Attendees:

President, John, N8NXW	Technical Officer, Doug, N8PYN	
VP and President-Elect, Ken, KD8RJN	Past President, Debbie, KC8WHN	Jenny Vandecar
Treasurer, Gregg, N8GEO	Secretary, Dave, N6WY	

John (President, N8NXW) called the January 10, 2018 board meeting to order at 7:30 PM.

Old Business:

Winter Field Day.

Expecting 3 stations.

John, N8NXW, is making coffee. Ken, KD8RJN, is bringing donuts. Gregg, N8GEO, is bringing chili. Others may bring a potluck dish. The club has plenty of disposable plates and eating utensils.

(Continued on page 5)

(Continued from page 4)

During the Tuesday night CERT net, Gregg invited the Sterling Heights Community Emergency Response Team to attend our Winter Field Day.

Ken said that we needed a trash detail after the Winter Field Day to remove all trash and food from inside the Tucker Senior Center. The Tucker Senior Center has trash bins outside.

The plan now is to use paper logs for Winter Field Day contacts. We may have computer logging if someone brings equipment and sets up the network for computer logging.

This is our club's first Winter Field Day. The emphasis will be on having a good time and learning techniques for Winter Field Day operations. Estimated time for our Winter Field Day operation shutdown is around 8:30 PM.

Macomb Community College (MCC) Tech Night.

John, N8NXW, reminded us that the MCC tech night is 7:00 PM Monday 29 January 2018 in the S Building, room S136 at the Warren campus. In addition to using the MCC equipment to work on personal projects, John wants members to evaluate the MCC satellite dish for new applications. We could use the satellite dish for receiving unencrypted television or other uses like moon bounce communications.

Ken, KD8RJN, asked about using the MCC location that has HF antennas and coax as another location for Winter Field Day. John said no because on Saturdays, we cannot stay past 2:00 PM.

Repeater Site.

The Sterling Heights people that our club coordinates with are still talking about making the backup power generator work. They believe that the cost is about \$1,000 to repair the backup generator using an approved Sterling Heights repairman.

Work on the point to point ethernet air-link is ongoing and is expected to be completed soon. Some progress was made with tuning the UHF repeater.

V.E. Exams.

The last time Gregg, N8GEO, met with the Tucker Senior Center administrator, the administrator could not verify the dates that our club had reserved for having V.E. exams at the Tucker Senior Center. Gregg made sure that we can use the Tucker Senior Center in 2018 on 6 February, 18 June, and 17 July. If we have better dates already reserved, Gregg can release the dates that he obtained and use the better dates.

An alternate location to the Tucker Senior Center for V.E. Exams is the Macomb Community College Building S136 at the Warren campus.

Tucker Senior Center Access.

At Gregg's last meeting with the Tucker Senior Center administrator, Gregg returned the key that he had for the Tucker Senior Center. Gregg asked if he could have a key assigned to him. The administrator said that she needed to work on a procedure to sign out a key and she might be able to sign out a key to the side door.

Treasurer Report.

No money issues.

New Business:

We need PC audio speakers for the next general meeting program.

Gregg, N8GEO, said that we should spend some money to improve the repeater site. We now have new reliable VHF and UHF repeater equipment. The UHF repeater antenna should be raised to 180 feet.

Gregg cannot locate an acceptable certified tower climber to raise the UHF antenna. Ken, KD8RJN, said that he could do a search and make some calls. Gregg estimated the cost for the UHF repeater improvements at \$3,500.00.

(Continued on page 6)

(Continued from page 5)

Upcoming club events are MI QSO Party in April, Fox Hunt in early June, and Summer Field Day during the last weekend of June. [No, always the fourth full weekend in June, which is 23rd in 2018. Editor]

Some discussions about a new location for the board meetings. John, N8NXW, said that we should keep the board meetings at Roseann's.

Next board meeting is the second Wednesday in March 2018 [which is the 14th — Editor].

Board meeting adjourned at 8:40 PM.

FT-8: — the booming digital mode

By John / N8FYL

If you haven't heard about the "new" FT8 digital mode yet, you must have been living under a rock, or been in a radio coma for a while. HiHi. The "final" release of WSJT-X 1.8.0 is now available from <https://physics.princeton.edu/pulsar/k1jt/wsjsx.html>. In addition to the documentation available there I ran across this excellent resource to help the intrepid new digital mode explorer navigate the choices and options to get some FT8 QSOs in the log. http://www.g4ifb.com/FT8_Hinson_tips_for_HF_DXers.pdf. Even if you are not new to the mode, I think you will find this guide worth reviewing.

If you are a user of N3FJP's ACLog (Amateur Contact Log), you can use the [JTAlert](#) bridge to link WSJT-X to the logging software (and do a bunch of other stuff too.) Make sure your ARRL TQSL has the current configuration information to support the FT8 mode when uploading to Log Book of the World.

I also have used <https://www.time.is> to check/verify that my PC time is correct and "close enough" for successful use of the digital modes supported by the WSJT-X software.

Night Out on the Town — Success!

Submitted by Gregg / N8GEO

The first Monthly Night on The Town was a huge success. We ended up having 13 people show up at "BIG Al's Fire House" restaurant in Utica. It all started at 6:30 pm and ended around 9:30. Lots of talking, laughs and good company. The service was great and the food was also pretty good. Over all a great night out.

The Day: February 20, 2018 (3rd Tuesday)

Arrival Time: 6:30 PM

Until: ???

Where: A different restaurant every month (Unless we find a place that everyone likes).

Miscellaneous: Everyone is responsible for their own bill (not a club sponsored event). Everyone can

It was successful enough that we are already planning the next Monthly Night on The Town which will be February 20, 2018. We have an idea of the restaurant but we need to make sure that they take reservations and if they have space available.

Keep your eyes and ears open for the restaurant location.

Operating Straight Key Night 2018

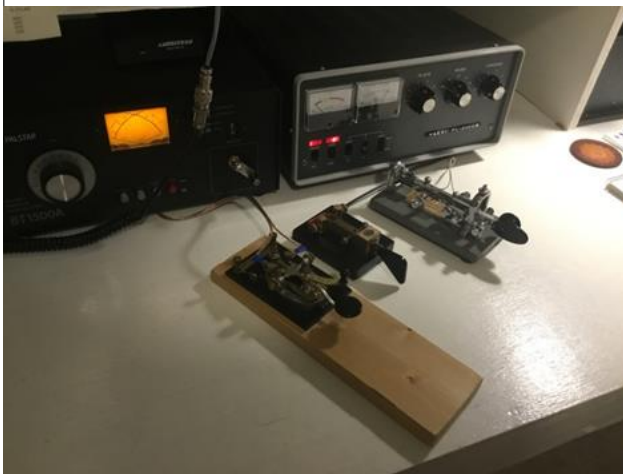
Submitted by Carl, W8WZ

Operating SKN is my favorite way to welcome in the New Year. I avoid being on the roads on New Year's Eve and I'm inside where the shack is kept warm with the glow of vacuum tubes.

This year the First Class CW Operators' Club (FOC) also sponsored an operating event during the same timeframe called FOC Bug Day which encourages the use of semi-automatic bug keys. I love bugs and straight keys, so I am happy to use both but wish FOC had chosen a totally separate day so I did not have to pick between the two options during the same timeframe.

Because I wanted to submit a Bug Day log to FOC this year I made a couple Bug QSOs using a Blue Racer. Mostly, I used the bug when answering the CQ of another person using a bug. It was obvious by the "banana boat swing" timing of some of the operators that bugs were not their daily CW tools. So, when I heard that type of fist, I would answer with a bug. Otherwise, I rotated through a few different straight keys during the 24 hours of the event.

Most of my operating was done on 40 meters as that is where I normally operate. I did make some contacts on 80 as well. The bands were in great shape and full of CW signals even up into the bottom end of the phone band on 40 (most likely guys working the old novice sub bands with the crystals they had from the days when those frequencies were for novice CW use). In fact, 40 CW was so crowded at the start of the event that listening on my Drake TR4 without any filtering was overwhelming and I had to switch to a receiver with narrow filtering. By Monday morning however things had thinned out and I could use the TR4 without problem.



Like most CW operators, I have a collection of keys. In fact, my love of keys keeps me from being as good a CW operator as I might otherwise be. I always have a straight key, a bug and a paddle connected to my rig and I switch between them. I tend to keep my bugs set at 25 WPM and use them mostly on traffic nets and when rag chewing. If the code speed is 25 WPM I use the bug, but adjusting them is so time consuming that I just switch keys for other speeds. I use the straight key for slow speed and use my paddles for higher speed operating for both rag chews and working DX. It is easy to adjust the speed of a paddle so with the turn of a knob on the keyer I can adjust my speed from 20-35 WPM for rag chews or working DX with either of those keys, making them the most versatile and therefore most commonly used. I have a single lever Kent paddle and a dual lever iambic K8RA paddle. I do not use the K8RA's iambic function. Instead, I treat it just like a single lever paddle, and key it with an arm rolling motion instead of a finger moving motion which is similar to the action I use on bugs. In short, I don't squeeze the key, I just use it for its automatic dits and dots. This constant switching of keys interferes with my muscle memory and I often make mis-

(Continued on page 8)

(Continued from page 7)

takes when I first switch to the paddle from the bug or vice versa. This is the price I pay for liking too many keys.

On SKN however, the paddles don't get used at all. It is all mechanical and I rotate through the arsenal of straight keys starting with a key I restored that is more than 100 years old and was designed to work with a small rotary spark gap transmitter. This key lacks a shorting bar, indicating it was designed for wireless as opposed to landline service and it has removable 3/8" contacts. In spark service key contacts would wear out so contacts were made to be replaced. The key is very well made but lacks any manufacturer's marks so I can't tell what company produced it. I can estimate the date only because of when spark transmitters were in service.



This is the key I usually use to check into slow speed CW nets and is the key I used for my first 2018 SKN contact with my friend Don NOSU in Bryson City, NC by checking into the Carolinas Net CW traffic net with my straight key at 0000Z when SKN officially began.

After that contact I moved into the future about 30 years and connected my late grandfather's J38 to the transmitter. The J38 is a well-known key manufactured by several different companies for use by the US Army Signal Corps. The J38 has a shorting bar like landline keys because it was designed to be hooked into a sounder circuit in code training classes. Soldiers were trained on these keys and then kept the key they were issued in training with them for later use on active duty.

During the years between WW I and the Korean War the US Army Signal Corps designated many of



(Continued on page 9)

(Continued from page 8)

their Morse keys with a "J" prefix followed by a number. The known numbers range from J-1 to J-51. The J38 is the most popular of these keys in amateur service today followed by the J37 which is a key that was designed to be attached to a leg strap and used in some airplanes, tanks and automobiles. The J36 was a bug similar to the Vibroplex Champion. More information about the J38 can be found at <http://k6ix.net/J38Keys.html>

My grandfather was issued this particular J38 when he was taught the International Morse code by the US Army Signal Corps at Camp Crowder, Missouri in 1941. After that training he left the Signal Corps and entered the Air Corps where he worked on the first application of airborne RADAR in the Northrop P61 Black Widow. After the war he put the key in a shed where it stayed until about 4 years ago when my dad found it while cleaning out the property to prepare it for sale and gave it to me. Now it gets regular use, especially on SKN.



I used this key most of the rest of SKN but did want to rotate through a few other keys including a key that is made on a 3D printer by a 14 year old ham in Texas KC5ILR who sells them on ebay. Here it is pictured next to the J38. Old meets new.

After WW2, Japan began mass producing various products including Morse code keys. They made a "cheap" brass plated Morse code key with a shorting bar which was marketed by the Ameco company as a "JJ38", doubtless trying to play off the good image of the J38. This key was known for using ball bearings in the trunnions and due to the low cost of this key many Novice stations used it as a first key. It was made until about 10 years ago when production was discontinued due to difficulty in parts procurement. It is the poorest quality key in my collection but I have an emotional attachment to it because it is the first key I ever saw Morse code sent with by my 7th grade Science teacher Jerry WD8PFX in the station he had set up in his class room. On the right are two examples of this key.



(Continued on page 10)

(Continued from page 9)

Why would a key made for radio telegraphy have a shorting bar? Well, in the days before Push to Talk (PTT) it was helpful to be able to key a transmitter by closing a shorting bar on the key then talking into the microphone when operating AM. It can also be helpful to use it to transmit a carrier when tuning up.

And finally, I closed out SKN by using my favorite straight key, the Johnson Speed-X



The Speed-X is my favorite key because of its buttery smooth action and soft response. This key was made by Les Logan and was first advertised for sale in the January 1937 edition of QST. It was then made by E.F. Johnson and then by the Wm. M. Nye company who kept making them until August 2017, just 5 months ago. Replacement parts for this and other straight keys can still be ordered from their webpage. <http://www.morseexpress.com/nye/>

Now that SKN is over I will go back to paddles and bugs for most of my operating, but with Novice Rig Roundup fast approaching (starting at 0000Z on March 3, 2018 and ending at 2359Z on March 11, 2018) the straight key's will not stay packed away for long.

Livonia Amateur Radio Club

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

Call (734) 941-5043

or e-mail us at k8uns@arrl.net

Sunday, February 18, 2018 8:00am - 12:00pm



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

*Door Prizes

*Food Concession

*Tickets \$5.00

Stuff = The junk you keep.

Junk = The stuff you throw away.

Dayton Hamvention®

According to the [Hamvention](http://www.hamvention.com) web-
site, [online ticket orders](http://www.hamvention.com) are now
available.

AM Rally

Operating Event on the
HF+6M Amateur Bands

0000Z Saturday February 3 -
0700Z Monday February 5

The purpose of this event is to en-
courage the use of Amplitude Modu-
lation on the 160, 80, 40, 20, 15, 10
, and 6 meter Amateur Radio Bands,
and to highlight various types of AM
equipment in use today. This event is
open to any and all radio amateurs
who are running full carrier amplitude
modulation. The AM Rally home
page is <http://www.amrally.com/>

Future Programs & Activities

Scott Hernalsteen, W8CQD — Activities Manager

- | | |
|-------------------|---|
| February 7, 2018 | Regular meeting — a video of an ARRL webinar about using CHIRP |
| March 7, 2018 | Regular meeting — Marvelous Promotions with samples for questions & orders |
| March 14, 2018 | Board meeting |
| April 4, 2018 | Regular meeting — MIQP in 17 days! |
| April 21, 2018 | Michigan QSO Party |
| May 2, 2018 | Regular meeting |
| 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] |

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



LC Echo 440 Repeater
Yaesu DR-1X 442.925 MHz
100 HZ PL

Board Meeting Time and Location

Board Meetings are held at 7 pm on the Wednesday after the regular membership meeting in September, November, January, March, and May. The location is [Roseann's Kitchen, 21400 15 Mile Road](#), Clinton Charter Township, MI. All club members are welcome to attend and have dinner. Talk-in through the LCARC ECHO 2 Meter repeater (147.080 MHz, +600 KHZ, 100 Hz PL tone). Should a board meeting have a planned cancellation, this cancellation will be announced in the newsletter.

Club Founder - Art Ellis W8PBO

Club Committee Chairmen

ARRL HF Awards Manager	Tom Mathison	WU8C	Licensing Classes	TBD	
ARRL HF Awards Assistant	Vince Cuker	WA8BIJ	Little Bay Awards	Vince Cuker	WA8BIJ
ARRL VHF/UHF Awards Manager	Allan Koch	KA8JJN	Meeting Refreshments	Debbie John	KC8WHN N8NXW
Call Sign ID Tags	Gregg Crump	N8GEO	Membership Chairman	John Huber	N8FYL
Christmas Party	Keith Harris	W8KD	TC email distribution		
Club Apparel & Patches	Scott Hernalsteen	W8CQD	Net Points Manager	Tom Mathison	WU8C
Club Call Trustee - K8AYZ	Ted Bak	K8EO	Net Points Upgrade Awards	Gregg Crump	N8GEO
Club Call Trustee - N8LC	Marty Folz	K8HVI	TC Postal Distribution	Vince Cuker	WA8BIJ
Code Proficiency Awards	Vince Cuker	WA8BIJ	Outgoing QSL Manager	Dale McGorman	K8RO
Dayton Trip	Gregg Crump	N8GEO	QSL Cards	Dale McGorman	K8RO
Door Prizes—Buyer	Doug Chauvin	N8PYN	Swap Chairman	Russ Price	N8HAR
Door Prizes—Tickets	Wayne Hearn	WG8U	<i>Tuned Circuit</i> Editor	John Huber	N8FYL
Echo Repeater Trustee	Marty Folz	K8HVI	Volunteer Exams	Cliff Ibbs	AB8XQ
Field Day			Webpage (n8lc.org)	Doug Chauvin	N8PYN
Health & Welfare			Webpage Assistant	Marty Folz	K8HVI
			Youth Forum (50/50)	Ralph Irish	W8ROI
			[Alternate]	John Slobodnik	N8NXW

The Tuned Circuit

This publication of the L'Anse Creuse Amateur Radio Club is issued for the months of September through June of each year. *The Tuned Circuit* has been formatted to be read easily with any reader programs for our visually impaired readers; however, an audio tape or a larger print version of its contents will be made available, upon request to the editor. We welcome any comments, concerns, corrections, congratulations, or complaints. Please submit such communications to the [Editor](#):

John H. Huber N8FYL

Email: n8fyl@arrl.net or editor@n8lc.org

Phone: (248) 740-2693

Submissions will be accepted in any of the standard PC formats. Microsoft Office, Open Office, plain text, rich text, PDFs, and any type of image format. Unfortunately audio files and movies cannot be accepted, as they cannot be reproduced on paper, but links can be reproduced to these types of media if you'd like to provide a link.

VE Testing Locations

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

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

First Tuesdays of Even Months

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

02/10/2018 | Cherryland [45th Annual Swap & Shop](#)

Location: Traverse City, MI **Type:** ARRL Hamfest

Sponsor: Cherryland Amateur Radio Club

Website: <http://cherrylandarc.com> [Learn More](#)

02/18/2018 | [Livonia ARC's 47th 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](#)

03/17/2018 | [2018 Michigan Crossroads Hamfest](#)

Location: Kalamazoo, MI

Type: ARRL Hamfest

Sponsor: Southern Michigan Amateur Radio Society

Website: <http://www.w8df.com/hamfest> [Learn More](#)

03/18/2018 | [Toledo Mobile Radio Association Hamfest & Computer Fair](#)

Location: Perrysburg, OH

Type: ARRL Hamfest

Sponsor: Toledo Mobile Radio Association

Website: <http://www.tmrhamradio.org> [Learn More](#)

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: Wexauke 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](#)

L'Anse Creuse Amateur Radio Club Nets

Day	Time		Band	Mode	Frequency	Net Control	Calendar
	UTC	EDT					
Monday	0030	1930	15 M	CW	21.165 MHz	Vince, WA8BIJ	Every Monday
Monday	0130	2030	15 M	USB	21.395 MHz	Clem, W8VO	Every Monday
Monday	0200	2100	6 M	USB	50.160 MHz	Gregg, N8GEO	Every Monday
Tuesday	0100	2000	2 M	Packet	144.93 MHz	Vince, WA8BIJ	Every Tuesday (Connect to detqso)
Thursday	0030	1930	10 M	USB	28.435 MHz	Wayne WG8U	Every Thursday
Thursday	0130	2030	2 M	FM	147.08+ MHz	Clem, W8VO	1st Thursday
						Wayne, WG8U	2nd Thursday
						Gregg, N8GEO	3rd Thursday
						Rose, K8VFR	4th Thursday
						Vince, WA8BIJ	5th Thursday

Membership Request

Date: ____/____/____

Request For:

L'Anse Creuse Amateur Radio Club

Gregg Crump, N8GEO

29729 South River Rd

Harrison Twp MI 48045-3030

___ \$20.00 LCARC Individual Membership
Are you a New Member? (Y / N)

___ \$30.00 LCARC Family Membership

___ \$10.00 Print and Mail me *The Tuned Circuit* via US Mail

___ \$2.00 LCARC Student Membership (Under 18 years of age)

___ \$5.00 Club Badge created with my Name and Call sign

___ Please update my membership information because it has changed.

Only membership applications to go this address, all other mail should go to the club's main PO Box. Make sure you use the full 9 digit zip code when mailing in your application.

Treasurers Box

Date Paid: _____

Amount: _____

Initials: _____

Note: LCARC dues are from Nov **1st** to Oct **31st**

Class License (Circle One)

Novice Technician Tech+

General Advanced Extra

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

Call sign: _____ Old Call Sign: _____ Street: _____

Name: _____ City: _____ State: _____

Spouse: _____ Zip: _____ - _____ 6 Character Grid Square (optional): _____

Phone: (_____) _____ - _____ Email Address: _____

(Please indicate your name above even if it hasn't changed, so we know who's giving us money and can mark that you've paid in our records.)

The Tuned Circuit

Monthly Bulletin of the L'Anse Creuse Amateur Radio Club

First
Class
Postage

L'Anse Creuse Amateur Radio Club

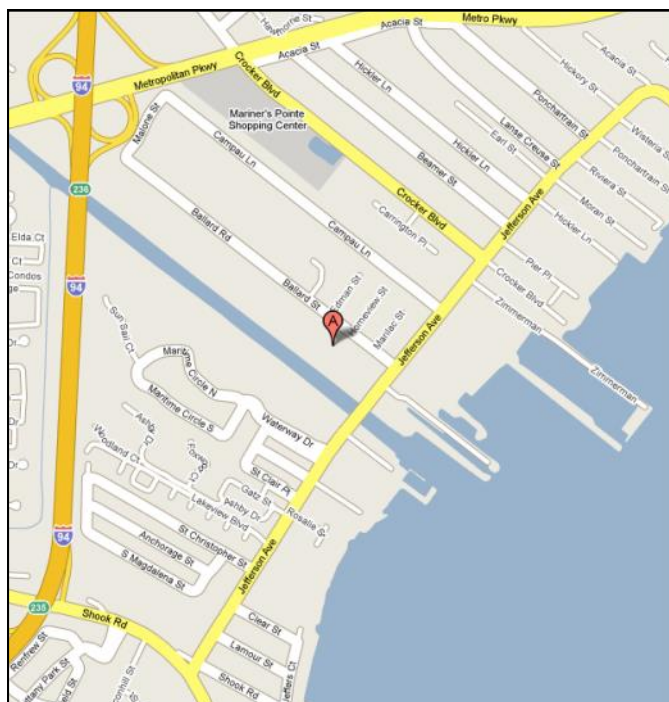
P.O. Box 180072

Utica, MI 48318

LCARC Web Site

<http://www.n8lc.org>

E-mail: info@n8lc.org



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.