

# THE TUNED CIRCUIT

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

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**The Deadline for  
the next TC:  
Monday  
May 23th**

Next Meeting - 7:00 PM May  
4th 2022 at the Tucker Senior  
Center (see last page for map and  
address) with Zoom video  
conference access.

Meeting Program - The program  
for our meeting will be as  
reported on [page 6!](#)

The NEXT board meeting will be  
on Wednesday, May 11th, 2022  
via Zoom. [Click here for details.](#)

## THE PREZ SEZ

Well, another month gone already. At least now we should be looking at better weather. Despite the adage about "antennas work better if put up in lousy weather", this is the time to start or plan the work on any changes to your antenna farm. I can't say that they will necessarily work any better, but you will like working on them in the good weather rather than the cold.

This month many of us are looking forward to attending the [Dayton Hamvention](#). After two years of being shut down for Covid-19, they are finally going to have the Hamvention this year. If you have never been to Dayton, it is definitely something that should be on your bucket list. It takes some planning as rooms can be difficult to obtain, and while I know people have made it a one-day trip, that is a lot to bite off. A 4 hour plus drive each way and a lot to see in just one day. A huge flea market, many manufacturers, and numerous commercial vendors. Along with that there many [forums](#) about just about anything involving Ham Radio. Lots to see and do.

It is not too early to start planning for [ARRL Field Day](#). That happens on June 25-26 this year. Gregg/N8GEO has already secured our [Addison Oaks County Park](#) spot. So far there are plans for 1 CW and 1 SSB station. Any other volunteers to head up another station? Set the date aside and plan on participating!

Hope to see you at the next meeting on May 4<sup>th</sup>.

Dale / K8RO

Dayton  
Hamvention®

Two major Ham Radio events in  
the near future.

Make your plans!



# Report of the Secretary

Submitted by Ken Janicki / KD8RJN

## Meeting Call to Order:

President, Dale/K8RO, called the April 6<sup>th</sup>, 2022, LCARC general membership meeting to order at approximately 7:00PM at the Tucker Senior Center. A Zoom session was also available for those not able to attend in person.

## Roll Call:

The following members were in attendance:

Dale/K8RO, Gregg/N8GEO, Mike/N5WCS, Doug/N8PYN, Ken/KD8RJN, Rick/K8RWM, Bill/WX8Y, Matt/KD8LLT, John/N8FYL, Ralph/W8ROI, John/N8NXW, Russ/N8HAR, Dennis/WC8C, Fritz/KE8BFW, Dennis/N8MKG, Keith/W8KD, Lito/K8AJJ, Marty/K8HVI,

And present on Zoom: Vince/WA8BIJ, Scott/W8CQD, George/N1EZZ, Joe/KE8SKF, Tom/WU8C

**Visitors:** Bill/K8WWH, and via Zoom, Mark/N8ALZ from Rochester Hills.

**FCC license upgrades:** none, but Bill/K8WWH “upgraded” to an ARRL accredited Volunteer Examiner.

**Last Month’s Testing Session:** Gregg/N8GEO reported we had 5 people attending the testing session of which 1 person passed the Technician test and 4 people passed the General exam.

## March Meeting Minutes:

Keith/W8KD made a motion to approve the prior month’s (March 2022) meeting minutes as printed in *The Tuned Circuit*. It was seconded by Dennis/WC8C. The motion passed.

## Treasurer's Report: by Gregg/N8GEO:

Total amount in the account is	\$7312.91
The Youth Fund has	\$101.50
The Repeater Fund has	\$874.85
Antenna Project has	\$3190.96
Total available (unallocated) is	\$3,145.60

A check was written to the Knight of Columbus for \$1,760.00 for the Radio Raffle. The check is held by them for one month to account for the printing of tickets and the license from the state for the raffle.

Marty/K8HVI made a motion to approve the Treasurer's Report. It was seconded by Rick/K8RWM.

Motion passed but with Mark/N8REZ voting “no” in absentia.

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**Where's Doug:** by Doug/N8PYN:

No swaps in April. The next swap is May 20 weekend in Xenia, OH for Hamvention. The GM club will start their Trunk Swaps at the Packard Proving Ground parking lot on Saturday May 21<sup>st</sup> (yes, Dayton weekend). They will run monthly. Chelsea Swap will be June 5<sup>th</sup>. Several upcoming swaps are listed in *The Tuned Circuit*.

**Technical Committee Report:** Doug/N8PYN

Gregg/N8GEO has been working with DTE about the noise heard on our repeater. DTE has tried a few things, but the noise is still there. Gregg will turn the issue over to Doug/N8PYN to work with DTE to find a solution.

**ARRL Liaison report:** Keith/W8KD

- The ARRL has provided clarification on Licensing Fees. You will not have to pay a fee for an upgrade, modification, or address change. The fee will be charged for a new license, renewal, wavier, or a vanity call.
- The Antarctica WSPR beacon is back on the air on 10, 15, 20 and 40 meters.
- ARRL has updated their web site. You may need to provide updates the first time you log in.
- Dale Williams, our Great Lakes representative from ARRL, has 50 tasks on his list. He may be asking clubs in the area to provide additional help for some of his tasks.
- April 18 is National Amateur Radio Day. A nice day to make a contact or new friend on radio.

**QSL Report:** Dale/K8RO

We had a light month with only 29 requests. 6 will not be QSLs. 17 were SSB, 8 CW, and 4 digitals. Dale/K8RO was asking if anyone knows when we took over the club call of N8LC? No one knew for sure. Research to be done.

**Membership and Tuned Circuit Report:** by John/N8FYL

We have 74 members of which 5 are life members, 7 are first year free and 62 are paid members.

**Tuned Circuit:** by John/N8FYL

The March Tuned Circuit deadline is Monday April 25<sup>th</sup>, 2022.

**Michigan QSO Party:**

Gregg/N8GEO stated the club will not be hosting the event at the Tucker Senior Center this year due to members being out of town for Easter holiday. Members are encouraged to participate from home and use our club when submitting their log to give us credit.

**Old Business:**

Gregg/N8GEO reiterated the need to get your room for Dayton reserved if you plan to attend. You must send Ted/K8EO an email on what room you reserved and for what dates.

Russ/N8HAR requested approval to provide a deposit for the hall for our club swap. A motion was made by Mike/N5WCS to approve up to \$1000 to be used for a deposit on the hall. The motion was

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seconded by Marty/K8HVI. The membership voted to approve the motion.

**Cards to Members:** No health and welfare cards are needed to be sent this month.

**Coffee Break:**

A break was taken from 7:45 to 7:50 by the members to purchase door prize and 50/50 tickets.

**New Business:**

Dale/K8RO discussed the topic of our club helping the county with the Emergency Siren Testing. We have been trying to get a contact at the county to work with on the process. Marty/K8HVI stated he would be willing to take the lead with whoever we get as a contact. As soon as we get a name from the county, we will see what involvement is needed from the club.

**Tuned Circuit US mail:**

John/N8FYL provided an update on *The Tuned Circuit* being emailed only. John moved to amend the club By-Laws, "Section 3 Dues" to delete the following text:

"If a member wishes to receive a printed copy via US Mail, a fee of \$10.00 per year to cover the charge for printing and mailing will be applied in addition to the member dues stated above."

Mike/N5WCS seconded the motion. The motion was passed by the members.

**Board Meeting**

Dale/K8RO stated there will not be a Board meeting for the month of April due number of board members being out of town.

**Club Evening Out:**

Dennis/N8MKG planned the April 20<sup>th</sup> evening out at the Aspen. See the club web site or the notifications sent by the <https://groups.io/g/LcRadioClub> reflector for more information.

**50/50 and Door Prize Raffle**

As the secretary was not in the room at the time of the drawing and it is unclear from the recording which member received what prize, there is no update.

**Close Meeting:**

Russ/ N8HAR made a motion to close the meeting and Dennis/WC8C seconded the motion. The meeting was closed at 8:05 PM.

**Evening Program:**

Ken/KD8RJN provided a presentation on Weak Signal Propagation Report and Whisper Without Tears. See the Sync video to view the presentation.

# MAY 4TH MEETING!!!

Submitted by Dennis / WC8C—Activities Manager

The May program will be Sterling Heights CERT presented by LCARC member Geoff Gariepy/KD8VAX. Geoff will attend in person, and will use this 5 minute video as part of the talk:

<https://www.youtube.com/watch?v=poOkxpOgFUM>



**Meeting time is 7:00 PM**



## Membership Report

Woo-hoo, we have another new member: Bob/K8RTE. Welcome to the club!

We now have 75 members: 70 regular members of whom 6 are “first year free” members, and five Life members.

John / N8FYL — 04/26/2022



## Zoom Meeting Details



Dale McGorman is inviting you to a scheduled Zoom meeting.

**Topic:** LCARC Club Meeting

**Time:** Feb 2, 2022 07:00 PM Eastern Time (US and Canada)

Every month on the First Wed, until Dec 7, 2022, 11 occurrence(s)

~~Feb 2, 2022 07:00 PM~~

~~Mar 2, 2022 07:00 PM~~

~~Apr 6, 2022 07:00 PM~~

May 4, 2022 07:00 PM

Jun 1, 2022 07:00 PM

Jul 6, 2022 07:00 PM

Aug 3, 2022 07:00 PM

Sep 7, 2022 07:00 PM

Oct 5, 2022 07:00 PM

Nov 2, 2022 07:00 PM

Dec 7, 2022 07:00 PM

Please download and import the following iCalendar (.ics) files to your calendar system.

**Monthly:** [https://us04web.zoom.us/meeting/upYufuCvqz0oG9d00l7r7tsbFOeoNqovelOh/ics?icsToken=98tyKu6qrTljHdGTshiER7YQA4r4Xe3wmCFBjfpZzE\\_pFzIEdhDOEM1HPZxuH87V](https://us04web.zoom.us/meeting/upYufuCvqz0oG9d00l7r7tsbFOeoNqovelOh/ics?icsToken=98tyKu6qrTljHdGTshiER7YQA4r4Xe3wmCFBjfpZzE_pFzIEdhDOEM1HPZxuH87V)

**Join Zoom Meeting**

<https://us04web.zoom.us/j/72399756213?pwd=f-U40lfrRV1S4NYAv3zI5mQthbj8N3.1>

**Meeting ID:** 723 9975 6213

**Passcode:** RJP4Zx

The first link is to enable you to import them into your calendar if you are so inclined. The second one is the link for the actual meetings. With this link, you should be able to create a bookmark in your browser, and then you can use that each month, as this link will not change for the rest of the year.

Summary by John / N8FYL



The Michigan QSO Party (MIQP) 2022 edition is now “in the logs”. Club members Lito/K8AJJ, John/N8FYL, Mike/N5WCS, and Dave/W8WWP submitted logs for our club. The log submission deadline passed on April 25, 0400Z and there are 442 logs submitted. Based on the claimed score [as reported on the MiQP web site](#), Lito/K8AJJ placed 11th out of 108 entries in the “Fixed Single Op High” category. In “Fixed Single Op Low” there are 298 logs. In 3rd place is John/N8FYL. Mike/N5WCS is 91st, and Dave/W8WWP is at 106. Our club is in 7th place in the aggregate club scoring. These results were compiled by me from the submitted logs. The official results will be reported on the MIQP page “soon” (we hope).

## Official Notice of Proposed By-Law Amendment

Pursuant to “Article VII Amendments” of the [Constitution of the L’Anse Creuse Amateur Radio Club](#) this is the notice that at the May 4, 2022 membership meeting there will be a vote to amend the By-Laws, “Section 3 Dues” to delete the following text:

“If a member wishes to receive a printed copy via US Mail, a fee of \$10.00 per year to cover the charge for printing and mailing will be applied in addition to the member dues stated above.”

This proposal was presented (in the form of a motion) at the April 6th meeting as recorded in the meeting minutes.

## A Review and Comparison of the [TN07 SFP-102](#) Stealth Flagpole Antenna

By: Carl Davis, W8WZ 4 April 2022

In the world of portable ham radio operations, finding an antenna that performs well and is also easy to transport and easy to put up and take down is rare. I am happy to report that I have found the [TN07 SFP-102](#) vertical antenna to be just such a product.

After more than 25 years as a ham radio operator, I recently became interested in portable operating. This started because during the pandemic my friend John, KG4AKV and I were asked to be a bonus station for the North Carolina QSO Party. John is a great phone operator and I stick with CW. So together, we make a good team for a bonus station that could work both code and phone stations. However, because this was in the middle of the pandemic, we wanted to figure out a way to do this as safely as possible. So, we decided to set up an outdoor station for this purpose. It was like a mini-field day. We had so much fun with that project that we decided we would start doing POTA activations together too. Thus, the quest for a good portable antenna began. We wanted a multiband antenna that was easy to put up and take down and that worked well on the air.

We used the TN07 SFP-102 vertical antenna to activate the Swift Creek Bluffs State Nature Preserve in Wake County, North Carolina on November 20, 2021. We used a 100 watt radio and used both CW and



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SSB. Over the course of a few hours we made 26 CW contacts and 84 SSB contacts using the antenna. This was the most contacts made by any POTA activation at this park. We found this antenna to be exactly what we were looking for, in addition to working well, as shown by the QSO count, it was extremely easy to transport, install, use, and take down.

Here is a picture of the antenna as we installed it in that activation and pictures of John and I using it.



We considered this POTA activation a great success, thanks to this antenna. Sometimes the antenna is even easier to install than it was on this outing. For instance, when I am operating near my parked car, which we couldn't do from this park, I simply use the drive over mount from TN07 and support the antenna using that mount. [See the photo on the next page. Editor] The antenna seems to work equally well when using the car as a support, or simply leaning against a tree branch in the woods as we did during this POTA activation.

Even though the antenna clearly worked well, I wondered exactly how this antenna would compare to a textbook, half wave dipole up half a wavelength high. So, I decided to do a side-by-side test to find out. On April 2, 2022, I put up a 40-meter dipole at 60 feet and set up the vertical antenna too. I connected both antennas to my radio using 100 feet of RG8 coax, so each antenna had the same length of the same type of feedline. I then used an A/B switch to switch between them. To my ear, and the S-meter, the dipole was about 2 S units louder than the vertical.

I then transmitted CQ using CW and looked myself up on the Reverse Beacon Network (RBN). RBN is a system of receivers connected in real time to the internet. When the online receivers in this network

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hear you call CQ they spot you on the network and give their signal to noise ratio for your signal. You can then view this data on the [RBN webpage](#). The higher the SNR number is, the better your signal. I did this for both antennas and found that the average signal to noise ratio number for the vertical was 16 and the average signal to noise ratio number for the dipole was 28.5.

I then decided to get some on the air reports. I had a nice QSO with a station in West Virginia. He was unable to tell the difference when I switched between antennas, giving me a 599 signal report on each one. I then used the dipole to answer a POTA station calling CQ and he gave me a 599 report. I then switched to the vertical and he told me I was then 569. When we used this antenna for our POTA activation we often found that we gave the other station a 59 report and they gave us a report between 55 and 58. This afternoon of operating gave me enough data to make some conclusions.

To me, the most important lesson was that the vertical antenna works. It may not result in as good of a signal report as a textbook,

half wave dipole up half a wavelength in the air does, but it still gets me in the logbook many times.

When activating a park, it doesn't matter if my signal report is 559 or 599. As long as the contact gets made, the activation is a success. The less time I spend putting up an antenna, the more time I spend on the air. Also, in many POTA locations, a dipole isn't even possible to install due to the physical limitations of the location. The vertical can be installed quickly and easily almost anywhere.

Next, my experiment showed that the vertical is much easier to install than a dipole. It took me 45 minutes to install the dipole. This involved shooting a rope over a tree with an arborist sling shot, then hoisting the antenna up, with lots of walking between the trees. I had to carry rope, sling shot, fishing line, weight to shoot over the tree, and antenna. I also had to find a place with tall trees spaced at the correct distance. Take down was also time consuming as care had to be taken not to tangle the rope and wire antenna. The vertical, on the other hand, was erected in 10 minutes with no difficulty at all and



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no well-spaced tall trees, rope or sling shot were needed. Additionally, the vertical is multi band. The dipole is only monoband. Take down was much easier with the vertical as well. There were no ropes to tangle, no tree branches to snag. The vertical worked on all HF bands with no tuner needed.

My conclusion is that when I have the space and time and only want to work one band, the dipole is the better choice as it will give better on the air performance. This would be the case at my home station, for instance, where I don't mind taking time to erect the best antenna possible and have room to do so, or at an event like Field Day where I have lots of time to set up and am at a location that has been especially selected for being antenna friendly. However, if I don't have the time to spend, or the location for, a dipole or other such full-size antenna, then the TN07 vertical wins out. Also, if I want to be able to use more than one band without putting up more than one antenna, the TN07 vertical wins. Most POTA activations are situations where the TN07 vertical is the better choice. So are most quick ham radio demonstrations and special event stations operating from public locations.

The TN07 antenna is a good temporary antenna for portable use. But as they say, the proof of the pudding is in the eating. So here is a short video of the antenna in use to show you how well it works and how much fun can be had with this well built, easy to use, good performing product from TN07.

<https://www.youtube.com/watch?v=RgMjwlrPdb8>

## Impedance Matching and SWR

Submitted by Bill/WX8Y

The following is excerpted from: Portable Wire Antennas,  
Third Edition, 2018, by John W. Hill, KF7SQQ

The role and function of the antenna tuner are apparently frequently misunderstood. To be clear:

- The antenna tuner should more properly be called an “impedance matching network” rather than an antenna tuner since it does not actually tune the antenna. Tuning an antenna would require actually adjusting the antenna dimensions.
- The antenna tuner does not change the SWR of the transmission line.
- The antenna tuner does not reduce the portion of the signal lost in the transmission line.
- The antenna tuner does increase the power transferred from the transmitter to the transmission line and therefore increases the power radiated from the antenna. This still does not decrease the transmission line losses.
- The antenna tuner does not increase the radiation efficiency of an antenna.
- Compromise antennas are still compromises and poor antennas are still poor antennas.

Unfortunately, antenna tuners do introduce signal loss. High Q capacitors are compact and available. Sadly, high Q coils want to be large while compact design requirements want them to be small. Because actual signal losses in an antenna tuner are affected by multiple variables there is no standard technical specification on this parameter. Generally speaking, the losses should be lower when the SWR is lower. Having an antenna system that presents a good impedance match removes the losses of the tuner and reduces the weight and bulk of the portable station. On the other hand, a good tuner makes it possible to use random wire and other non-resonant antennas on all bands.

There is also some common apparent confusion regarding transmission line characteristics and losses. To be clear:

- The commonly used Antenna Analyzer does not actually measure the SWR in the transmission line. It

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measures the impedance of the transmission line as seen by the transmitter and as compared to a 50-ohm resistive load. From a practical point of view, this is very useful because matching the transmitter output impedance to the transmission line input impedance is what we are actually concerned about. To measure the SWR would require making voltage measurements along the transmission line itself.

- The SWR in the transmission line is the result of the impedance mismatch between the transmission line and the antenna.
- All the energy that passes through the transmission line minus the transmission line loss is transferred to the antenna regardless of the SWR.
- The transmission line characteristic impedance and the loss characteristics of a transmission line are two different things. The loss characteristics depend on the conductor size and material, the dielectric material, and the physical dimensions. Dielectric loss is a major contributor to transmission line loss and air is the lowest loss dielectric. That is why open line and window line have such low losses.
- High SWR increases transmission line losses. The total transmission line losses are determined by the frequency, the loss characteristics of the transmission line, the transmission line length and the SWR. Low loss transmission lines, like open line, ladder line and twin lead produce negligible loss in most cases, even in the presence of high SWR.

In the early days of amateur radio, before WWII, most hams used open line. The transmitters of that era frequently had an impedance matching network built in to match the impedance of the open transmission line. The combination of a random length dipole, ladder line and an antenna tuner is still used today as an effective all band antenna system.

If you need a more detailed explanation, I refer you to:

[ARRL Antenna Book, 22nd Edition](#), Chapters 23, 24, 2011-2013, American Radio Relay League

[Practical Antenna Handbook, Fifth Edition](#), Chapters 4, 2012, McGraw Hill

[end of Excerpt]

## Flex 3000 SDR Transceiver For Sale!

**90% of the sale price of this radio goes to LCARC Treasury sub account for Youth Activities.**

FLEX Radio Model 3000 SDR Transceiver (covers 160M - 6M, most any mode). 100 watts output.

FLEX Hand microphone and several interconnect cables (some are Firewire) for one's computer and a multiport Firewire PCI plug-in card

FLEX power cable

Radio Shack 25/30A switching power supply included.

Manual on CD-ROM (and available at

[https://www.flexradio.com/documentation/?\\_categories\\_dropdown=flex-3000](https://www.flexradio.com/documentation/?_categories_dropdown=flex-3000))

**Asking \$450** but offers are not out of the question. The buyer can make out two checks or deal direct with the L'Anse Creuse treasurer, etc. Very 'FLEXible' on this.

73, Ralph / W8ROI 586-913-5811 and [w8roi@wowway.com](mailto:w8roi@wowway.com)



## !! For Sale — Last Call !!

By Ted / NW8W

My TenTec Jupiter (model 538AT) still needs a new home. This is a “Green Screen” Jupiter with a built-in antenna tuner and upgraded control knobs. The knobs are admittedly a tremendous trifle but are mentioned here as part of a complete description. This transceiver works as intended and can be computer controlled in a so-called “Pegasus Emulation Mode” using readily available software.

Also included are the TenTec manual, power cable, a TenTec branded handheld microphone, TenTec #302 Remote Knob w/cord, a harness that will connect the rig to a Kam+, a Kam+, TenTec cooling fan, and a TenTec #962 power supply.

Full disclosure—the mic needs a new cord—it looks physically weak and works OK, and the power supply needs attention—it emits a hum.. The Kam+ is included ‘as is’, its status is unknown.

Asking \$500 assuming local pickup in the Metro Detroit area.. If shipping is involved, such costs will be the responsibility of the buyer.

If there is not a buyer before the fall I will donate this equipment to “that NYC Jr High School” (Editor: perhaps <https://wb2jkj.org/>)

Contact Ted MacKinnon NW8W 248 647 1628; Cell: 238 310 1311; Email: [nw8w@arrl.net](mailto:nw8w@arrl.net)



TenTec 302 Remote Knob w/cord

## Future Programs & Activities

Dennis/WC8C — Activities Manager

- |                    |  |
|--------------------|--|
| May 4, 2022        | Regular Meeting night  |
| May 20-22, 2022    | Dayton <a href="#">Hamvention!</a> (Still happening as of 04/26/22)) |
| June 1, 2022       | Regular Meeting and probable Fox Hunt!                               |
| June 20, 2022      | Volunteer Examiner (VE) session at Tucker Senior Center              |
| June 25-26, 2022   | ARRL Field Day — LCARC will be at Addison Oaks County Park, as usual |
| September 7, 2022  | First regular meeting after the summer break.                        |
| September 19, 2022 | Volunteer Examiner (VE) session at Tucker Senior Center              |



## L'Anse Creuse ARC Board Members – 2022

### President

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Analog FM

N8LC

Fusion Digital Only



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



LC Echo 70 cm Repeater  
Yaesu DR-1X 442.925 MHz  
100 HZ PL

## Board Meeting Time and Location

Board Meetings are held on the Wednesday after the regular membership meeting at a time determined by the President. Board meetings will be held via Zoom video conferencing. [Click here for the Zoom details](#). All club members are welcome to attend. Should a board meeting have a planned cancellation, this cancellation will be announced in the newsletter.

## Club Founder - Art Ellis W8PBO SK

### Club Committee Chairmen

ARRL HF Awards Manager			Little Bay Awards	Dale McGorman	K8RO
ARRL HF Awards Assistant			Meeting Refreshments	Russ Price	N8HAR
ARRL VHF/UHF Awards Manager				John Slobodnik	N8NXW
Call Sign ID Tags	Gregg Crump	N8GEO	Membership Chairman	John Huber	N8FYL
Christmas Party	Mark Castiglione	N8REZ	TC email distribution		
Club Apparel & Patches	Scott Hernalsteen	W8CQD	Net Points Manager	Tom Mathison	WU8C
Club Call Trustee - N8LC	Marty Folz	K8HVI	Net Points Upgrade Awards	Clem Duval	W8VO
Code Proficiency Awards	Vince Cuker	WA8BIJ	TC Postal Distribution	John Huber	N8FYL
Dayton Trip	Gregg Crump	N8GEO	Outgoing QSL Manager	Dale McGorman	K8RO
Door Prizes—Buyer	Doug Chauvin	N8PYN	QSL Cards	Dale McGorman	K8RO
Door Prizes—Tickets	TBD		Swap Chairman	Russ Price	N8HAR
Echo Repeater Trustee	Marty Folz	K8HVI	<i>Tuned Circuit</i> Editor	John Huber	N8FYL
Field Day	Gregg Crump	N8GEO	Volunteer Exams	Gregg Crump	N8GEO
Health & Welfare			Webpage ( <a href="http://n8lc.org">n8lc.org</a> )	Doug Chauvin	N8PYN
Licensing Classes	TBD		Webpage Assistant	Marty Folz	K8HVI
			Youth Forum (50/50) [Alternate]	Ralph Irish	W8ROI
				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. We welcome any comments, concerns, corrections, congratulations, or complaints. Please submit such communications to the [Editor](#):

John H. Huber N8FYL

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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

LCARC has scheduled 2022 VE sessions at the Tucker Senior Center on June 20, and September 19. Doors open at 6 PM, and testing begins at 6:30 PM. Contact Gregg Crump  
[n8geo.ham@gmail.com](mailto:n8geo.ham@gmail.com)

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The current COVID-19 pandemic situation has disrupted many of the regular VE testing sessions. There ARE some testing opportunities available in our area according to the ARRL web site.

Go to <http://www.arrl.org/find-an-amateur-radio-license-exam-session>. Enter your Zip Code and the "within" distance, and click SEARCH. When I did it with Zip 48045 (the zip code for the Tucker Senior Center), and a "within 50 miles", it reported a number of sessions spanning the time until a year from now.

## Online Practice Exams:

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

<https://www.qrz.com/hamtest/>

<http://www.hameducation.org/>

## Morse Code Resources:

Learn CW Online <https://lcwo.net/>

<http://www.g4fon.net>

<http://www.pdarrrl.org/k6rau/>

<http://www.ac6v.com/morseaids.htm>

<http://morsecodemasters.com/trainer/Examples/hct.html>



## Upcoming Swaps

### 05/07/2022 - Wexauke ARC Cadillac Hamfest

**Location:** Cadillac, MI

**Type:** ARRL Hamfest

**Sponsor:** Wexauke Amateur Radio Club

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

[Learn More](#)

### 05/14/2022 - GMARC Trunk Swap

**Location:** Shelby Township, MI

**Type:** ARRL Hamfest

**Sponsor:** GM Amateur Radio Club

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

[Learn More](#)

### 05/20-22/2022 - Dayton Hamvention

**Location:** Xenia, OH

**Type:** ARRL Hamfest

**Sponsor:** Dayton Amateur Radio Association

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

[Learn More](#)

### 06/05/2022 | Chelsea Amateur Radio Swapmeet

**Location:** Chelsea, MI

**Type:** ARRL Hamfest AND [Vintage Electronics Expo](#)

**Sponsor:** Chelsea Amateur Radio Club

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

[Learn More](#)

### 06/18/2022 - GMARC Trunk Swap

**Location:** Shelby Township, MI

**Type:** ARRL Hamfest

**Sponsor:** GM Amateur Radio Club

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

[Learn More](#)

### 06/18/2022 - Midland Amateur Radio Club Hamfest

**Location:** Midland, MI

**Type:** ARRL Hamfest

**Sponsor:** Midland Amateur Radio Club

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

[Learn More](#)

### 06/19/2022 | Monroe Hamfest

**Location:** Monroe, MI

**Type:** ARRL Hamfest

**Sponsor:** Monroe County radio Comm Assoc

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

[Learn More](#)

### 07/10/2022 - Flying Beers International Hamfest

**Location:** Ferndale, MI

**Note this is a date change from last month**

**Type:** ARRL Hamfest

**Sponsor:** K8FBI Radio Club

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

[Learn More](#)



## L'Anse Creuse Amateur Radio Club Nets

Day	Local Time	Band	Mode	Frequency	Net Control	Calendar
Monday	<del>2000</del>	<del>15 M</del>	<del>CW</del>	<del>21.165 MHz</del>	QRT due to lack of participation	
Monday	2030	15 M	USB	21.395 MHz	Clem, W8VO	Every Monday
Monday	2100	6 M	USB	50.160 MHz	Gregg, N8GEO	Every Monday
Tuesday	2000	<del>2 M</del> Internet	<del>Packet</del> telnet	<del>144.93 MHz</del> ve2har.dyndns.org	RF Net is QRT Ralph, W8ROI	Every Tuesday (Connect to detqso)
Tuesday	2100	2 M	FM	147.08+ MHz	Sterling Heights CERT A LCARC sanctioned net run by the Sterling Heights CERT	2nd Tuesday of the month
Thursday	1930	10 M	USB	28.435 MHz	Clem, W8VO	Every Thursday
Thursday	2030	2 M	FM	147.08+ MHz	Clem, W8VO	1st Thursday
					Russ, N8HAR	2nd Thursday
					Gregg, N8GEO	3rd Thursday
					Mike, AC8ER	4th Thursday
					Fritz, KE8BFW	5th Thursday

## Membership Request

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Request For:

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

\_\_\_ \$30.00 LCARC Family Membership

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

\_\_\_ Please update my membership information because it has changed.

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

Call sign: \_\_\_\_\_ Old Call Sign: \_\_\_\_\_ Street: \_\_\_\_\_

Name: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_

Nickname: \_\_\_\_\_ Zip: \_\_\_\_\_ - \_\_\_\_\_

Spouse: \_\_\_\_\_ 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: \_\_\_\_\_

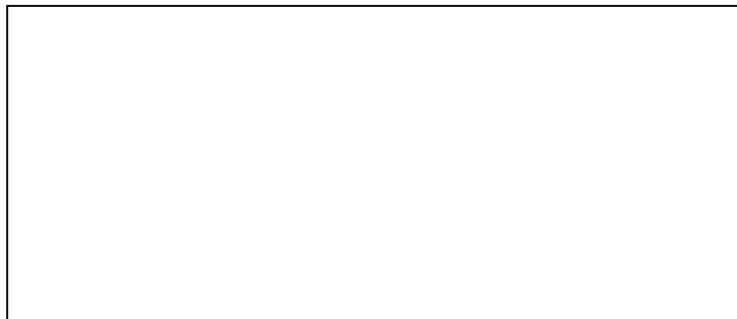
Note: LCARC dues are from **Nov 1st** to **Oct 31st****Class License (Circle One)**

Novice Technician Tech+

General Advanced Extra

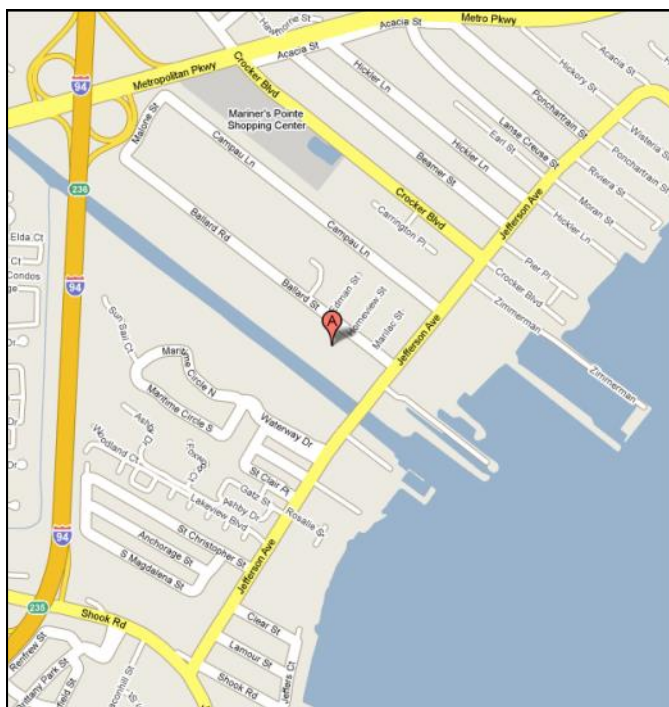
***The Tuned Circuit***  
**Monthly Bulletin of the**  
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29729 South River Rd  
Harrison Twp, MI 48045-3030

First Class  
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+ Extra  
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<http://www.n8lc.org>

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



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