

THE TUNED CIRCUIT

INSIDE THIS ISSUE:

[Click the link to jump to the item]

[December Meeting Program](#)

[The Secretary's Report](#)

[Membership Report](#)

[Future Programs](#)

[Upcoming Swaps](#)

[Club Nets](#)

**The Deadline for
the next TC:
Monday
December 29**

Next Meeting

**7:00 PM December 3rd
2025**

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 *might* be
on Wednesday, December 17th,
2025 via Zoom. Click [here](#) for
details .

THE PREZ SEZ

As my two-year term as president of the L'Anse Creuse Amateur Radio Club comes to a close, I want to take a moment to express my sincere gratitude. To our club officers—thank you for making this role both enjoyable and effortless. Your dedication and teamwork have been invaluable. And to all our members, thank you for placing your trust and confidence in me to serve as your president.



This is truly an exciting time to be involved in amateur radio. The hobby continues to evolve with new digital modes, expanding satellite opportunities, and an incredible range of high-quality equipment now available. One development I'm personally excited about is [FreeDV](#)—a digital voice mode for HF that delivers FM-like audio quality. It's open source, completely free to use, and stands apart from proprietary systems like D-Star or Fusion. Innovations like this continue to push our hobby forward and open new doors for experimentation.

While it's certainly fun to explore the latest high-end gear, I still find some of the greatest joy in building a simple low-cost kit, tossing a wire antenna into a tree, and making contacts around the world. That spirit of experimentation and discovery is what keeps amateur radio so special.

It has been an honor to serve, and I'm eager to see the fresh ideas and energy that our new slate of officers will bring. This is a wonderful hobby, and with such a dedicated group of operators, its future is bright.

73, Dennis / N8MKG

L'Anse Creuse Amateur Radio Club

52nd Annual Swap & Shop

SUNDAY, December 7, 2025

See the flyer [HERE](#)

Report of the Secretary

Submitted by Dennis Ruth / AC8JH

Call to Order:

Vice President Dale/K8RO called the November 5, 2025 LCARC general membership meeting to order at approximately 7:02 PM 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, Dave/NN8C, Jim/WI8W, Jeff/KC8RFC, Tim/AD8JL, Lito/K8AJJ, Ron/KF8CFR, Steve/KF8BVD, John/N8FYL, Anara/KF8DCK, Tyler/KE8WFY, Tony/KD8SRQ, Debbie/KC8WHN, Don/N8KNS, Russ/N8HAR, Mitch/WD8ITP, Hal/W8HJP, Dave/K8GTV, Dennis/AC8JH, Ken/N8KC, Rick /K8RWM, Gregg/N8GEO, Marty/K8HVI.

On Zoom: Tom/WU8C, Doug/N8PYN, Gary/KD8JM, Larry/N4LAK, Phil/KE8KCY, Fritz/KE8BFW.

Visitors: None

FCC license upgrades: none

October Meeting Minutes: Dale/K8RO asked for a motion to approve the October 2025 meeting minutes as posted in *The Tuned Circuit*. A motion to approve was made by Rick/K8RWM and seconded by Ken/N8KC. The motion was passed.

Treasurer's Report: Gregg/N8GEO.

Total amount in the account is	\$17734.84
The youth Fund has	\$2324.00
Total available (unallocated) is	\$15409.84

A motion to approve the Treasurer's report was made by Tony/KD8SRQ and seconded by Dennis/AC8JH. The motion passed.

Where's Doug: Doug/N8PYN, now wintering in Florida, said there is a local swap this weekend in Florida and he will be attending it. The next swap here in Michigan is our LCARC swap.

Technical Committee Report: Dale/K8RO said that when we get a strong wind out of the east the repeater has a scratching noise in the audio. The UHF (450 MHz repeater may not be working and the Technical committee will meet after Wednesday breakfast to try and resolve this problem.

The band pass and multiplexer equipment we ordered for the field day events has come in and we will build a few cables or butt connectors to finish it soon. The total price has increased to \$2300.00 so the club approved the additional expense of \$300.00. A motion to approve the additional money was made by Tim/AD8JL and seconded by Tony/KD8SRQ. The motion passed.

ARRL Report: Hal/W8HJP said:

- ◆ ARRL Legal Rights of American Hams (ARRL Member Bulletin of September 17) is still soliciting

(Continued on page 3)

(Continued from page 2)

help to change the legal rights of American hams. Go to – [HTTP://send-a-letter.org/hoa/](http://send-a-letter.org/hoa/) – enter your call sign and click on "Send My Letters" and your letters will be delivered to our Washington legislative team for hand delivery to your Representative and Senators.

- ◆ The ARRL is looking to fill positions for membership manager, and a senior RFI radio engineer. If you are interested go to ARRL.org/careers to apply.
- ◆ ARRL has declared 2026 as the “Year of the Club”, they are looking for pictures to be used in QST magazine.
- ◆ The ARRL is hosting a club news letter contest.
- ◆ ARRL wants to remind all young Hams about the Youth Scholarship Program.

QSL Report: Dale/K8RO reported that he logged 7 QSO’s this month: 2 Digital, 5 SSB, 0 CW QSO’s logged into eQSL.

Membership Report: John/N8FYL, We have 93 members of which 4 are life members and 12 are getting the first year free membership. 32 current members have not renewed yet.

Tuned Circuit: John/N8FYL The deadline for next TC news letter is November 24, 2025.

John also mentioned that the ARRL Field Day results are out and that LCARC club was #1 of 26 clubs in our category (4A Commercial). What a great club we have here.

Siren Testing Update: Marty/K8HVI provided an update on the Macomb County Siren Testing. 9 sirens were visited, all had tested good. The next siren test will be December 6, 2025. The new sirens to be tested are listed on the website and you can sign up there to help.

VE Testing: Gregg/N8GEO. The next VE test session is November 17, 2025 at the Tucker center. We may be the only club in the area doing VE testing and Gregg is getting emails from other VE testers wanting to help out with our testing.

Christmas Party: The LCARC Christmas Celebration will be held on Wednesday December 10, 2025 at 6:00pm. The location will be the Aspen Restaurant at 20333 Hall Rd, Macomb, MI 48044 (42.629750 -82.919060). Entrees that can be ordered includes chicken, meat, and fish. A cake and refreshments will be provided. The cost is \$25.00 per person. Please bring exact change!

Monthly Dinner out: There is no monthly dinner out in November due to Thanksgiving.

Swap Report: Russ/N8HAR. We are still on track with our swap. Our swap is 1 month away on December 7, 2025 from 8 am to 12pm at the Balkan American Community Center on Big Beaver Road between John R and Rochester Road. Russ has the \$2000.00 check to give to the venue and will get it to them soon. We have 19 tables sold so far. We will not cancel our swap as others have. Let’s hope we sell more tables soon.

Board Meeting: Will be held on November 19, 2025 at 7:30 pm on Zoom.

New Business: Tony/KD8SRQ said that the Livonia Amateur Radio Club is holding a special event station commemorating the 50th anniversary of the sinking of the SS Edmund Fitzgerald. Operations this week and this weekend on Belle Isle, running 2 stations as W8M, check it out.

Dale/K8RO is looking for someone to coordinate and organize our Winter Field Day event.

Board Meeting Notes

By Dennis/AC8JH

Meeting Held on Zoom: President Dennis/N8MKG called the Nov. 19^h 2025 LCARC board membership meeting to order at approximately 7:44 PM

Present were: Dennis/N8MKG, Gregg/N8GEO, John/N8FYL, Russ/N8HAR, Mike/N5WCS, Marty/K8HVI, Dave/W8WWP, Rick/K8RWM, Dennis/AC8JH.

Treasurer's Report: Gregg/N8GEO;

Total amount in the account is	\$16692.00
The youth Fund has	\$2362.00
Total available (unallocated) is	\$12340.00

Gregg/N8GEO noted that \$2000.00 will be taken out for swap expense. Gregg also paid \$750.00 for the ARRL Field Day park rental at Addison Oaks County Park. There will be a small amount for miscellaneous expense for the Christmas party.

Tuned Circuit Report: John said the deadline for the December *Tuned Circuit* is Monday, November 24.

Membership Report: John/N8FYL. We have 93 paid members and 1 person who passed the test but has no call sign or email address yet. 25 members have not renewed yet.

Technical Committee Report: Gregg updated the meeting about the mux and antenna equipment for field days. He will be contacting Keith/W8KD about his donation of antennas to the club.

VE Testing: Gregg/N8GEO. VE testing last Monday went very smooth, 3 people tested and will probably join our club. We will test again at the upcoming swap. Because we seem to be the only club doing VE testing we are getting other certified VEs asking to help us so that they may keep their certification up to date. VE testing during the swap will start at 9 AM to allow VEs to enjoy the swap before testing starts.

Field day antenna and multiplexer for field days: Gregg/N8GEO discussed the multiplexer/band pass filters for both ARRL and Winter field day. Rick/K8RWM volunteered to be Winter Field Day chair. There may be a concern using the same band for both CW and SSB. This brought up the possibility of using a few extra antennas.

Christmas Party: The LCARC Christmas Celebration will be held on Wednesday December 10, 2025, at 6:00pm. The location will be the Aspen Restaurant at 20333 Hall Rd, Macomb, MI 48044. Entrees that can be ordered include chicken, meat, and fish. A cake and refreshments will be provided. The cost is \$25.00 per person, please bring exact change!

Swap Report: Russ/N8HAR reported that 35 tables are sold. 23 radio raffle tickets have been sold. Money collected so far for the radio is \$310.00, the radio cost \$865.00. Russ has a concern the space in the middle of the room may need tables to break up the empty space and for gathering. Marty/K8HVI will set up a display for the siren testing, and we will need a table for testing equipment next to the club table.

Siren Testing Update: Marty/K8HVI provided an update on the Macomb Count Siren Testing. They all tested fine, no new update.

Program Coordinator: Rick/K8RWM discussed the December program. Tim/AD8JL may present on the topic of connecting a PC to a ham radio.

Meeting adjourned at 8:15 PM.

L'Anse Creuse Amateur Radio Club

52nd Annual Swap & Shop

Final 2025 Swap information and Schedule

Our LCARC hamfest/swap date (December 7) is almost here!.

With all our collective “voices” getting the word out, we can make this swap a success!

As in past years, I am asking for volunteers to help on Saturday, December 6 at **5 PM**, and of course, the day of the swap.

Swap Schedule:

Saturday, December 6, 2025 at 5:00 PM

5:00 PM – Room setup (setup/arrange tables per layout), club table, and kitchen setup

A few vendors will arrive to set up their areas.

Sunday, December 7, 2025

6 AM – Rick/K8RWM and Dave/W8WWP– help vendors park and direct them to main entrance

6 AM – Kitchen – Robin (Gregg/N8GEO), Elaine (Mike/N5WCS) Operate/manage the Kitchen activities.

6 AM – Dale/K8RO and Marty/K8HVI – help with the vendor intake at the main entrance

7 AM – John/N8FYL – food concessions cashier

7 AM – Dennis/N8MKG– club table (stage) - hourly door prize announcements

7:30 AM – Ken/KD8RJN and Fritz/KE8BFW – sell admission/radio raffle tickets at the door

8 AM–noon – all others for various activities (club table, VE testing, etc.)

Thanks & 73, Russ/N8HAR LCARC Swap Chairman

November 17th VE Session Report

Well another VE testing session was a huge success. The three folks that took a test all received at least what they came for. We had one upgrade to General and one person received a Technician. The other person came in for a Technician but also tested for the General and Extra. Well they did pass the General but not the Extra. They were super surprised and pleased with passing the General. We, the testing group, push folks to take the next level test when they pass one. Some folks choose not to but some do. Heck why not take it, it's free to give it a try. I'd say about 60% do give it a try. Sometimes it pays off. This time it did. This person has a son that is a general class ham and he suggested that his mom get licensed. So to help emphasize her getting her general we took a picture with her and her certificate. LOL she could not wait to send it to her son. It's a good time when everyone that takes a test gets at least what they came for.

Our next testing session is at our swap in December. Testing doors will open at 9am and testing will start shortly after. This is usually a very busy time for the team. If you would like to help please let me know we can always use some help. You do not have to be certified to help with the administrative stuff. So think about it and please let me know.

As always THANKS to the testing team that we have. They do a great job. 73, Gregg / N8GEO

DECEMBER 3RD MEETING!!!

Annual Elections, Last minute Swap status, AND
Tim/AD8JL will make a presentation about .
"What you need to know to hook up a computer to your radio."



Membership Report

Two new members following the November 17 VE session: Mike/N8HLN, and Steve/KF8FCR. Welcome to the club! Our member count is now 95 {91 regular members of whom 6 are "first-year free" members, and four Life members.) My analysis of the membership data indicates there are 25 members who have not yet renewed. Remember, IF you have NOT renewed by the February 2025 meeting you will be removed from the list of current members..

John / N8FYL – 11/26/2025



The next LCARC administered
VE test sessions are scheduled for
Our Swap on Dec 7, and then
January 19, 2026
at the Tucker Senior Center.

Doors open at 6:00 PM and testing start at 6:30 PM
VEs Please be there by 5:45 PM.

Contact Gregg Crump n8geo.ham@gmail.com

If you are interested in becoming a VE give Gregg a call at 586-738-2487



Zoom Meeting Details – effective 03/09/24



Join Zoom Meeting (Membership & Board Meetings)

[https://us06web.zoom.us/j/83614331186?](https://us06web.zoom.us/j/83614331186?pwd=vweBsNgCIXtuP14fvVGWspjbiUR6Ua.1)

[pwd=vweBsNgCIXtuP14fvVGWspjbiUR6Ua.1](https://us06web.zoom.us/j/83614331186?pwd=vweBsNgCIXtuP14fvVGWspjbiUR6Ua.1)

Meeting ID: 836 1433 1186 Passcode: 14708

Passcode which is also in the pwd= above.

[Join Zoom Meeting](https://us06web.zoom.us/j/83614331186?pwd=vweBsNgCIXtuP14fvVGWspjbiUR6Ua.1) 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 is not expected to change.

FreeDV – There’s A New HF Mode In Town

By [Chip Coker KD4C](#) March 29, 2023

We’ve had Digital Voice modes on VHF for years, as well as other digital modes on HF that are very popular (FT-8/4, PSK, even RTTY). We’ve had Digital Broadcast TV since 2009 and digital satellite radio in cars since before that. But until now, we’ve still not managed to have wide success in bringing Digital Voice to the HF bands. Oh sure there were some pet projects a dozen or so years ago, but these were clunky and largely went overlooked by the masses.

Well the time might have finally come that we have a new Digital Voice mode on the HF bands – **FreeDV** is a low-bit-rate digital voice mode for HF radio. Initially developed by David Rowe, VK5DGR, an international team of radio amateurs are now working together on the project. The “free” in FreeDV is because it is open-source software (released under the GNU Lesser Public License (LGPL) version 2.1). The modems and Codec 2 speech codec used in FreeDV are also open source. That means that you can use it, tinker with it, and incorporate it into your projects. That also means that vendors can incorporate the software into their products, so there is hope of HF Transceivers in the future that incorporate FreeDV as a mode right next to (analog) SSB.

More information can be found at: <https://freedv.org/>
and <https://www.k5rwk.org/2023/03/29/freedv-theres-a-new-hf-mode-in-town/>.

Source: [The Richardson Wireless Klub](#) > [RWK News](#) > [News](#) > FreeDV – There’s A New HF Mode In Town

2025/2026 LCARC club dues are due **NOW**

Bring your money/check and either
the pre-filled form that was sent out (email) in mid September

OR

the Membership Request form on page 15

to the club meeting and give them to our Treasurer Gregg, N8GEO,

OR remit your payment as instructed on either form.



LCARC Christmas Party



Information supplied by Gregg/N8GEO

The LCARC Christmas Celebration will be held on **Wednesday December 10, 2025** at 6 PM.

Location is the [Aspen Restaurant](#)
at [20333 Hall Rd, Macomb, MI 48044](#) (42.629750 -82.919060).

There will be 3 entrees available to pick from, Chicken, Steak, or Fish. There will be a cake and non alcoholic drinks are included. Alcoholic drinks are available at your cost.



Your cost is \$25.00 per person for dinner and dessert.



How far back is “Way Back?”

Submitted by Ralph/W8ROI on November 21, 2025

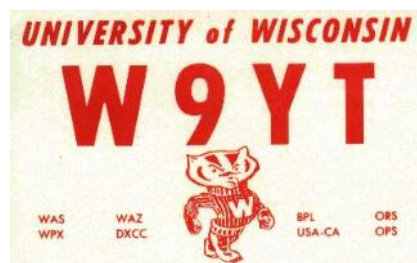
A little over a week ago, I got an interesting phone call. It was from someone we would normally call a “SHORT WAVE LISTENER.” However, this one is just a bit different from what comes to mind when we hear ‘short wave listener.’

For one thing, this fellow knew the Morse Code. Exactly where he learned it was not divulged to me. Maybe Boy Scouts, maybe from some 12” vinyl LP records, or just something to do.

He made mention of hearing me on the radio, in the CQ Magazine annual radio contest in 1967! In January, for many years, CQ Magazine sponsored a CW contest that took place on the 160M band. I have long since forgotten further details of this event, and I am not even certain if it is still being held.

This fellow, let’s call him ‘James’, related some details of a single contact that involved me. It was a short exchange between my station, (WA8GDT, back then) and W9YT, a college ham station.

As this fellow was relating some of the details of this two-way radio exchange, I was jotting down things on a note pad: 1914 EST (I’m going to assume that ‘James’ was aware of GMT, but for whatever reason, he made HIS notes in a local US time zone). The station, W9YT, was located in Badger, Wisconsin, at some college or university. [Editor: QRZ reports “The W9YT callsign, now held by the Badger Amateur Radio Society, has been in use at the University of Wisconsin-Madison [since 1930.](#)”]



So, after ‘James’ and I hung up our phones, (yes, he called me on our ‘wire phone’ and it was not easy keeping it up to my ear while scribbling notes with my other hand), I went down the stairs to the basement and over to the corner where I have a file box with QSL cards in it. I have separators with tabs on them for “0” through “9”, and I located **THE** card which was sent to me from the gang at W9YT. I will guess that if they have not cleaned house a time or two over there in Badger, Wisconsin, one of my WA8GDT QSL cards might be gathering dust in some similar situation.

At first, all I had was the ‘Caller ID’ phone number from ‘James’. He asked me for my e-mail address to pass along some more info, and I gladly gave it to him on the phone.

After a few days, when I had not received any e-mail from ‘James’ I called him up to confirm the e-mail address he used. He reluctantly told me that he had not sent me anything, and did not specify any reasons. I asked him to give me his postal address so I could send him a scan of the W9YT QSL Card, and also a scan of the log book page covering that date in late January of 1967. He begged off and said it was not necessary. Needless to say, I was a bit disappointed in his attitude. I had gone to the basement, found the QSL card from W9YT, one of my WA8GDT QSL cards in unused condition, and scanned the logbook page.

All I wanted to do was send these items to him in the mail, but for reasons not given, it was not to happen.

(Continued on page 9)

(Continued from page 8)

Now, about a week later, I received another phone call from 'James'. He had relented and decided to give me his mailing address so I could pass those few items along to him.

Prior to his second phone call, I did what I could on the internet, with high hopes of finding a postal address connected to the phone number I had. Since I am too cheap to use any of the 'pay to play' websites which sometimes can supply such information, I was stymied. So, when I got the second phone call from 'James' I was very happy. I manually filled in his postal address on the QSL card, and added few handwritten comments, got the items printed and scanned, and in a large manilla envelope addressed to 'James'.

As I write this, it has not been quite a week since I sent that envelope, so I don't know if there will be any further discourse between 'James' and me. Should this happen, I will be more than happy to provide our Editor with an addenda and he can decide whether any further mentions of this event are necessary for *The Tuned Circuit*.

73, Ralph - W8ROI

A Three Element 20 Meter Vertical Beam

By: Carl Davis, W8WZ

That costs less than \$300, Can be carried in one hand in a small duffle bag, is less than 3 feet long when taken down, can be installed and taken down in less than 10 minutes by one person, does not require guy ropes, can handle legal limit power, and offers more than 5 dB of gain.



(Continued on page 10)

(Continued from page 9)

John K4EB, Brantley K4CBW and I recently started a small contesting club we call the Pinecone Amateur Radio Club (N4BCJ). We enjoy operating together in contests and one of our favorite things to do is portable multi-multi operations. For instance, in the most recent Virginia QSO Party, we rented a cabin in the Old Dominion State and set up 2 Yaesu FTDX10's and wire antennas. One station ran SSB and the other CW. We came in second in our category. Inspired by that, we did a similar thing from a cabin in North Carolina last Field Day. We have a lot of fun. When we were at the Dayton Hamvention this May we were captivated by the "portable" hex beam antenna systems and spent a good while drooling over them and thinking about how nice it would be to have a beam in our modest portable contest setups. But towers, guy wires, masts, all seemed like too much work and cost to me. But John and Brantley both reminded me of how much FUN it would be. That got me to thinking about how to build a portable, inexpensive, easy to transport, install and take down, beam. Hmm.

That evening we went out to do a Parks On The Air (POTA) activation and we used my favorite POTA antenna. I use a 17 foot long vertical telescopic whip that mounts into a tent stake style mount. The coax connects to the mount and so do 4 radials that slide onto the tent stake using a spade connector. I use this antenna frequently during my many POTA operations. It goes up and down in less than 5 minutes and requires no trees or ropes or guy lines. I got mine on e-bay and paid less than \$50 for the entire antenna system. As I looked at that antenna I had the idea of adding a director and reflector to it and making it into a 3 element beam. That should work! I thought. Because I like this antenna so much, I bought several spares, that way if one breaks, I am not off the air. Having 3 of these antennas also allowed me to make a 3 element beam by using one for the Director, one for the Driven Element and one for the Reflector.

I had never seen another ham do this, but I knew the idea couldn't be new, so a bit of internet searching was in order. I found a 1971 QST article by Jerry Sevick W2FMI entitled "The W2FMI 20-Meter Vertical Beam". I highly suggest that you read that article, which can be viewed on the ARRL webpage in the Periodicals Archive section. In this article Jerry describes doing exactly what I had envisioned. He didn't use telescopic whips, he used wires and built supports to hang them. However, electrically the antenna is the same as the one I envisioned. He measured 5.2 dB gain over a $\frac{1}{4}$ wave vertical with his 3 element beam. He also discovered he had to use a 4:1 transformer at the feed point to match the impedance as the parasitic elements impacted feed point impedance. Armed with that knowledge I set out to see what I could do.

Following Jerry's instructions, which are the simple math for yagi antenna element size and spacing, I made the Driven element 16 feet tall as I usually do. 12.5 feet to the west of that I placed the Director which I extended to 15 feet 8 inches. 12.5 feet east of the Driven Element I placed the Reflector which I extended to 17 feet 7 inches. The telescopic whip I was using is only 17 feet tall, so to get the extra 7 inches, I took a length of number 12 solid copper wire, soldered an alligator clip on one end, bent it at 90 degrees after the solder connection and alligator clipped that wire to the top of the telescopic whip at a location that would make the total antenna length 17 feet 7 inches.

I then measured SWR. I had 2:1 on 20 meters. I added the 4:1 transformer mentioned in the article and the SWR was worse. I went out to adjust the element length. Then I decided to try matching SWR without the transformer. By simply shortening the driven element length several inches I was able to match the impedance and get a 1:1 SWR without the need for a transformer in the feedline. Having a modern antenna analyzer made this task much easier than it was in 1971 for W2FMI.

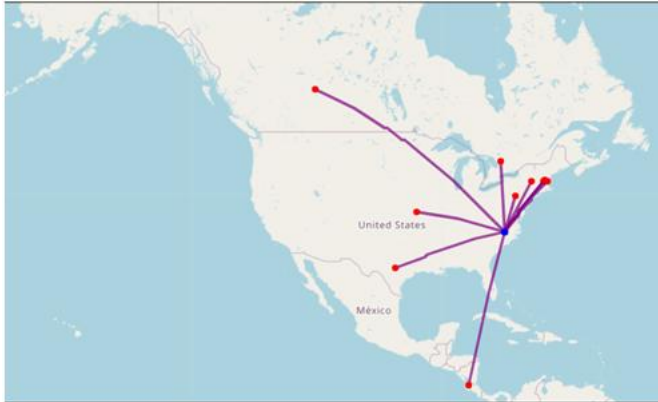
The next test was to see how the radiation pattern looked. Fortunately, I have the Reverse Beacon Network whereas W2FMI had to rely on making lots of contacts and getting signal reports back in 1971. I simply called CQ a few times on 20 meter CW and looked at RBN.

(Continued on page 11)

(Continued from page 10)

The difference the beam made was drastic.

Here is the antenna pattern with just the $\frac{1}{4}$ wave vertical antenna. As you can see, it is very omnidirectional.



There are no RBN hits in the Atlantic ocean so East doesn't show up much in this, but we can assume there is signal there, just no one to hear it. If we were to draw a line connecting the dots of each hit on this map it would make a circle shape (again allowing that there weren't stations in the Atlantic). This is what I would expect from a quarter wave vertical antenna.

Now look at the RBN hits when we used the beam pointing West from Raleigh, NC



There were two hits off the side of the beam in New England, all the other hits were straight West of us. Stations in other directions that heard my signal before now did not hear it as they were not in the beam's path.

What does this show? Well, it shows you can make a relatively inexpensive, very portable, easy to put up, take down, and transport beam antenna that works fairly well at being a beam!

If you are going to build this and use it many times, here are a few hints:

1. Get several colors of kite string. Use a different color string for each of the following items.
 - A. Cut two lengths of kite string to 12 feet 6 inches. Label them with masking tape "Element Spacing"
 - B. Cut one length of kite string 17'7" and label it with masking tape "Reflector" and put an alligator clip on one end.
 - C. Cut one length of kite string 16 feet and label it with masking tape "Driven Element" and put an alligator clip on one end
 - D. Cut one length of kite string 15'6" and label it with masking tape "Director" and put an alligator clip on it.

Now when you go to the field to install this antenna. Use the 12.5 foot strings you cut in item A to measure out the spacing between the elements. I suggest tying the string around the base of each element. That way if you want to "Rotate" the beam, you leave the driven element in place, move the director on that string, keeping the 12.5 feet spacing, then move the reflector on its string, keeping the

(Continued on page 12)

(Continued from page 11)

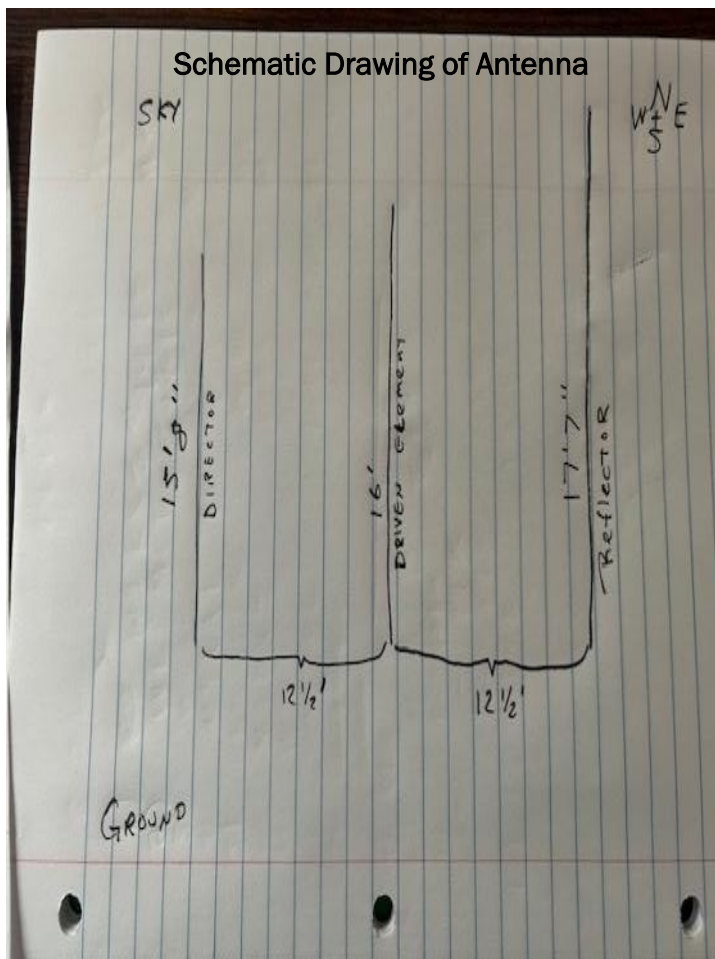
12.5 feet spacing until it is in the same plane as the director. Doing that will rotate the beam's direction while keeping the spacing.

When you go to push up the elements, alligator clip the correctly labeled string to the top of your antenna, and slide the antenna up until your string shows you have it at the correct length. This will prevent you having to measure each element with a tape measure each time. Keep these strings from getting tangled by storing them on a wire winder.

If you have an antenna analyzer you can use that to make final adjustments to the length of your driven element for lowest SWR. Or, you can use your radio's built in SWR meter, or just use the radio's built in antenna tuner to match the system if your radio has one. Or use an external tuner if needed.

This will get you a beam on the air quickly. With any vertical antenna, you will need good ground radials if you are in an area without good soil conductivity. The more the better.

Of course, you don't always WANT a beam. When I am activating a park for POTA, I want to make as many contacts as possible in all directions, so I like the way a vertical antenna's omni directional pattern works. However, if we are in a contest and trying to work a specific part of the country, a beam is nice. Also, it can keep RF away from another antenna, thus reducing inter-station RFI in a multi-multi setting. So beams have their place, but so do less directional antennas. It is all about using the right tool for the job and it is nice to know that it is "easy" to get a tool that is a 3 element beam that doesn't break the bank, can be transported easily, installed and taken down quickly, and be a fun way to play radio in a park or other portable setting (or even at your home).



(Continued on page 13)

(Continued from page 12)

How the Radials Connect:



Links to the antennas and parts used:

Antenna Carry Bag: \$21 <https://www.ebay.com/itm/285603579968>

Tent stake ground mount SO-239 to M-10 \$38.00 <https://www.ebay.com/itm/146597144123>

Telescopic Vertical Antenna : \$20 <https://www.ebay.com/itm/226768708847>

Ground Radial Kit: \$40 (or make your own)

https://www.amazon.com/dp/B076DLVJ1L?ref=nb_sb_ss_w_as-reorder_k3_1_13&= &crid=1F9ZHFN28RIY3&= &srefix=ground+radial

Sorry, I couldn't resist!



Mike / AC8ER — SK

We learned in November that Mike/AC8ER had passed away in September, 2025. While not a current LCARC member, Mike had belonged to the club off and on over the years. You may have known him by one of his former calls: KB8HSE (Novice in 1988), N8LFT (General), or KF8SQ (Advanced). Mike was also an artist. Mike was as colorful a character in life as many of his colored pencil drawings, some of which you can see on his [QRZ page](#). 73 & RIP OM.

I made Thanksgiving puns all night and was on a roll...
But now I yam so tired I cranberry stay awake.

Walking home last night, I passed a slice of apple pie,
and ice cream sundae, and a lemon cheesecake.
I thought to myself, "The streets seem strangely deserted..."

We've all seen a refrigerator run, a micro wave, and a kitchen sink. But I
just saw a toilet bowl. It was striking!

I'm really excited for the amateur autopsy club I just joined.
Wednesday is open Mike night.

Future Programs & Activities

Rick/K8RWM — Activities Manager

- | | |
|----------------------|---|
| December 3, 2025 | Regular membership meeting—Elections, final pre-swap update, & more |
| December 6, 2025 | Macomb County Siren Testing |
| December 7, 2025 | L'Anse Creuse Annual Hamfest/Swap |
| December 10, 2025 | L'Anse Creuse Christmas party |
| January 7, 2026 | Regular membership meeting—White Elephant Exchange |
| January 19, 2026 | VE test session at the Tucker Senior Center |
| January 24-25, 2026- | Winter Field Day— N8LC operating at the Tucker Senior Center |
| February 4, 2026 | Regular membership meeting |
| February 7, 2026 | Macomb County Siren Testing |
| March 4, 2026 | Regular membership meeting |

L'Anse Creuse ARC Board Members – 2025

President

Dennis Jarzombek , N8MKG
45985 Hollowoode Ln
Macomb, MI 48044-4170
586-838-8500
jarzombek@outlook.com

VP and President-Elect

Dale McGorman, K8RO
2855 Norton Lawn
Rochester Hills, MI 48307-4431
248-852-9130
k8ro@arrl.net

Secretary

Dennis Ruth, AC8JH
53359 Mark Dr
Shelby Twp, MI 48316-2374
248-805-2409
ac8jh@arrl.net

Treasurer

Gregg Crump, N8GEO
29729 South River Rd
Harrison Twp, MI 48045-3030
586 738-2487
n8geo@arrl.net

ARRL Liaison

Hal Price, W8HJP
1995 Shamrock Ln
Marysville, MI 48040-2047
586-419-9193
w8hjp011@gmail.com

Activities Manager

Rick Meech, K8RWM
51660 Laurel Oak Ln
Chesterfield, MI 48047-1422
586-329-8572
rwmeech@gmail.com

Past President

Marty Folz, K8HVI
40360 Ryan Rd
Sterling Heights, MI 48310-1756
586-268-0544
k8hvi@arrl.net

Technical Officer

Doug Chauvin, N8PYN
29112 Elmwood St.
St Clair Shores, MI 48082-1616
586 775-1891
n8pyn@yahoo.com

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 a Wednesday after the regular membership meeting at a date and 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 participate. Should a board meeting have a planned cancellation, this cancellation will be announced in the newsletter. Other updates may be posted on LcRadioClub@groups.io

Club Founder - Art Ellis W8PBO SK

Club Committee Chairmen

ARRL HF Awards Manager			Little Bay Awards	Dale McGorman	K8RO
ARRL HF Awards Assistant					
ARRL VHF/UHF Awards Manager			Membership Chairman	John Huber	N8FYL
Call Sign ID Tags	Gregg Crump	N8GEO	Net Points Manager	Tom Mathison	WU8C
Christmas Party	Mark Castiglione	N8REZ	Net Points Upgrade Awards	Clem Duval	W8VO
Club Apparel & Patches	Scott Hernalsteen	W8CQD	<i>The Tuned Circuit</i> email Distribution	John Huber	N8FYL
Club Call Trustee - N8LC	Marty Folz	K8HVI	Outgoing QSL Manager	Dale McGorman	K8RO
Code Proficiency Awards			QSL Cards	Dale McGorman	K8RO
Dayton Trip	Gregg Crump	N8GEO	Swap Chairman	Russ Price	N8HAR
Door Prizes—Buyer			<i>Tuned Circuit</i> Editor	John Huber	N8FYL
Door Prizes—Tickets	Mike Koenig	N5WCS	Volunteer Exams	Gregg Crump	N8GEO
Echo Repeater Trustee	Marty Folz	K8HVI	Webpage (www.n8lc.org)	Marty Folz	K8HVI
Field Day	Gregg Crump	N8GEO	Webpage Assistant		
Health & Welfare	Cheryl Jarzombek	N8MKF	Youth Forum (50/50) [Alternate]	Ralph Irish John Slobodnik	W8ROI N8NXW
Licensing Classes	TBD				

The Tuned Circuit

This publication of the L'Anse Creuse Amateur Radio Club is issued for the months of September through June of each year. 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, Libre 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

The next LCARC 2025 test session dates are at our swap on December 7, and in 2026 January 19, March 16, May 11, July 20, September 21, and November 16.

Contact Gregg Crump
n8geo.ham@gmail.com

There are other testing opportunities available in our area according to the ARRL web site.

Go to <http://www.arrrl.org/find-an-amateur-radio-license-exam-session>. Enter your Zip Code and the "within" distance, and click SEARCH.

Study Resources:

<https://hamstudy.org/> <- NEW 5/25

<https://study.affirmatech.com/>

<https://www.hamradiolicenseexam.com>

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/>

<https://github.com/w7sst/MorseRunner>

<https://morsle.fun/> <- NEW 12/24

<http://www.g4fon.net>

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



Upcoming Swaps

12/07/2025 - [LCARC Amateur Radio Swap/Hamfest](#)

Location: Troy, MI

Type: ARRL Hamfest

Sponsor: L'Anse Creuse Amateur Radio Club

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

[Learn More](#)

01/31/2026 **Saturday!** [Vintage Electronics Expo](#)

Location: Oakland Expo Center, Waterford, MI

Type: Antique Radio Sell & Swap

Sponsor: Michigan Antique Radio Club

Website: <https://www.thevee.org/>

02/08/2026 - [Cherryland ARC Annual Swap & Shop](#)

Location: Traverse City, MI

Type: ARRL Hamfest

Sponsor: ARRL

Website: <http://cherrylandarc.com>

[Learn More](#)

02/21/2026 **Saturday!**

[Livonia Amateur Radio Club Annual Swap & Shop](#)

Location: [Ward Church, Northville, MI](#)

Type: ARRL Hamfest

Sponsor: Livonia Amateur Radio Club

Website: <http://livoniaarc.com/larc-annual-swap-and-shop/> [Learn More](#)

03/15/2026 - [Toledo Mobile Radio Association Hamfest and Computer Fair](#)

Location: Perrysburg, OH

Type: ARRL Hamfest

Sponsor: Toledo Mobile Radio Association

Website: <http://www.w8hhf.org>

[Learn More](#)

03/21/2026 - [Lowell Amateur Radio Youth Club Hamfest](#)

Location: Lowell, MI

Type: ARRL Hamfest

Sponsor: Lowell Amateur Radio Club

Website: <http://larc.club>

[Learn More](#)

05/15-17/2026 - [Dayton Hamvention](#)

Location: Xenia, OH

Type: ARRL Convention

Sponsor: Dayton Amateur Radio Association

Website: <http://hamvention.org>

[Learn More](#)

L'Anse Creuse Amateur Radio Club Nets

Click the link above to open the Google Docs Net Control Schedule / Sign up Sheet

Local Time	NET	Mode	Frequency in MHz	First week	Second week	Third week	Fourth Week	Fifth Week
Monday evening:							Link to the Net Preamble	
20:00	15M	CW	21.165		Net is inactive. Seeking Net Control operators.			
20:30	15M	USB	21.395		Lito K8AJJ	Gregg N8GEO		
21:00	6M	USB	50.160	Gregg N8GEO	Russ N8HAR	Dale K8RO	Lito K8AJJ	
Tuesday evening:							Link to the Net Preamble	
21:00	2M	FM	147.08+	Sterling Heights CERT		2nd Tuesday of the month A LCARC sanctioned net run by the Sterling Heights CERT.		
Thursday evening:							Link to the Net Preamble	
19:30	10M	USB	28.435				Gregg N8GEO	
20:30	2M	FM	147.08+		Russ N8HAR	Gregg N8GEO	Tom WU8C	Fritz KE8BFW

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.

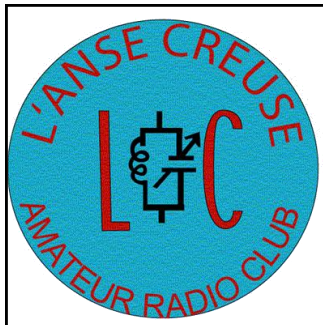
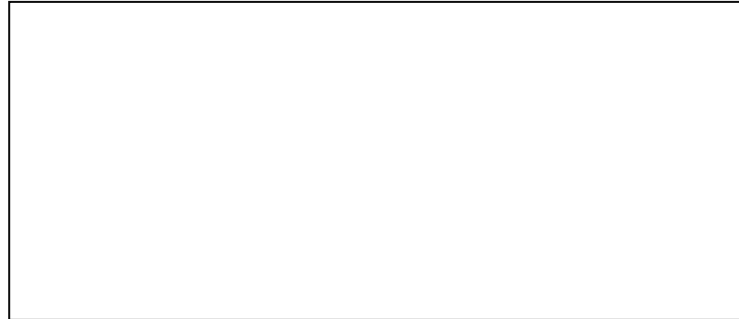
Treasurers Box
Date Paid: _____
Amount: _____
Initials: _____

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

Technician General Advanced Extra

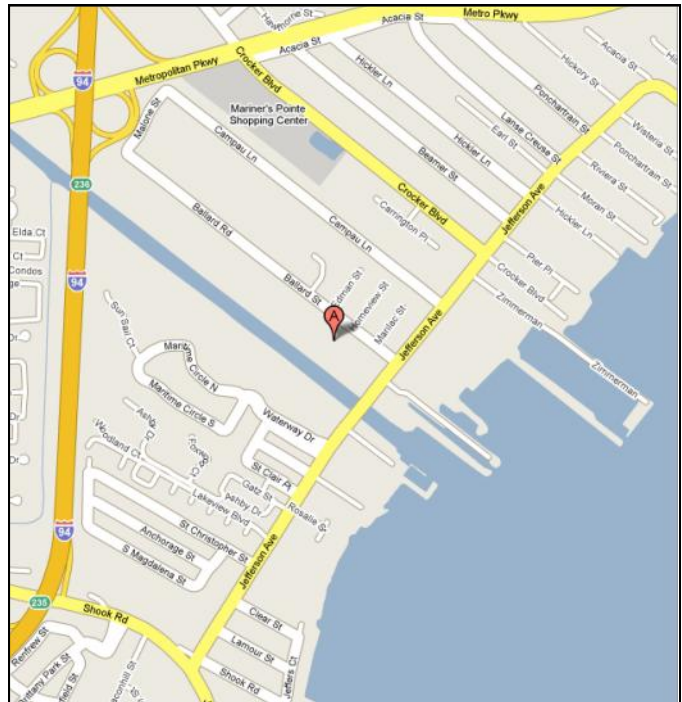
The Tuned Circuit
Monthly Bulletin of the
L'Anse Creuse Amateur Radio Club
29729 South River Rd
Harrison Twp, MI 48045-3030

First Class
Postage
+ Extra
Ounce



<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](https://www.google.com/maps/place/26980+Ballard+St,+Harrison+Twp,+MI+48045) unless indicated otherwise in the most current issue of *The Tuned Circuit*. Call-in on the Echo Repeater (N8LC) on 147.08 MHz (+ 600 KHz, 100 Hz PL tone) for any meeting information, or to ask a member for the location of the meeting.