

# THE TUNED CIRCUIT

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

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**The Deadline for  
the next TC:  
Monday  
January 29th**

Next Meeting - **7:00 PM**  
**January 3rd 2023** 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, January 10th, 2024  
via Zoom. [Click here for details](#) .

## THE PREZ SEZ

I hope this message finds you all in great spirits and enjoying the wonders of the amateur radio world! I am writing to you with immense gratitude and humility as your newly installed president. It is an honor to serve you, and I want to express my sincere thanks for the trust and confidence you've placed in me.

I must admit, stepping into the shoes of our last president is no small feat. Marty/K8HVI has set a high bar with all the clubs' remarkable accomplishments, and I can only hope to follow in his footsteps. However, with your support and collaboration, I am confident that together, we can make this a fantastic year for our club.

One of the exciting initiatives I have in mind for the upcoming months is the Digital Challenge. This program aims to explore the ever-evolving landscape of digital communication in the realm of amateur radio. As technology continues to advance, so does our opportunity to connect, learn, and innovate. The Digital Challenge will be a fun and engaging way for us to embrace these changes while fostering a sense of camaraderie among our members.

Stay tuned for more details on the Digital Challenge in the upcoming newsletters, as well as the [article that follows](#). I believe it will be a fantastic journey for all of us, and I encourage everyone to get involved and share your insights and expertise.

I also want to thank all of those that helped for the tremendous support and effort you poured into our recent annual swap meet. While this year presented some challenges with a lower number of tables sold and a decrease in overall attendance, I am thrilled to announce that the event was, in fact, a resounding success! Thanks to the hard work, dedication, and untold hours put in by our club members, the swap meet proved to be a profitable venture that will undoubtedly contribute to the continued growth and success of our club.

In the spirit of open communication, I also want to hear from you. If you have ideas, suggestions, or topics you'd like to see addressed in our club programs, please don't hesitate to reach out. Your input is invaluable, and together, we can shape the future of our amateur radio community.

Once again, thank you for entrusting me with this responsibility. I am excited about the possibilities that lie ahead, and I look forward to working with each one of you to make this year memorable for the Lanse Cruise Amateur Radio Club.

73s and Best Regards,  
Dennis Jarzombek - N8MKG  
President, L'Anse Creuse Amateur Radio Club

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## L'Anse Creuse Amateur Radio Club Digital Challenge: Exploring the Exciting World of Digital Modes

**Abstract:** This paper outlines the details and structure of the L'Anse Creuse Amateur Radio Club Digital Challenge, a monthly contest aimed at promoting interest and engagement in digital modes among amateur radio operators. The challenge encourages participants to explore different digital modes each month, with a focus on accuracy and integrity in reporting their contacts.

**Introduction:** The L'Anse Creuse Amateur Radio Club is thrilled to announce the launch of the Digital Challenge, a contest open to all amateur radio operators, leveraging the bands and privileges granted by their licenses. The primary objective is to stimulate interest in the diverse world of digital modes within amateur radio.

**Monthly Digital Mode Focus:** Beginning in January, the Digital Challenge will spotlight a specific digital mode each month. January, the inaugural month, will feature RTTY, followed by PSK-31 in February. This rotation will continue throughout the year, providing participants with a well-rounded experience in various digital communication methods.

**Participant Requirements:** To participate, amateur radio operators need to submit a log in Cabrillo format, documenting their contacts made in the designated digital mode for that month. While these logs will not be audited, the success of the challenge relies on the honesty and integrity of participants to accurately report their achievements. Logs must be submitted no later than the 14th of the following month.

**Scoring and Recognition:** The participant with the highest number of points for the month, using the correct digital mode, will be awarded a certificate. Two certificates will be presented each month: one for members of the L'Anse Creuse Amateur Radio Club and another for the overall highest number of contacts, irrespective of club affiliation.

**Educational Content:** Each month, an article will accompany the challenge, providing a short description of the featured digital mode along with links to resources enabling participants to get started. Additionally, this month, there will be resources on setting up radios for the fascinating world of digital radio. If time permits, we will have a short description of the mode at our monthly meeting.

**Timeline:** The Digital Challenge will run from 00:00 UTC on the first day of the month to 23:59 UTC on the last day of the month, giving participants ample time to explore and engage in the specified digital mode.

**Communication:** For any inquiries or questions, participants are encouraged to reach out to Dennis Jarzombek at [N8MKG@arrl.net](mailto:N8MKG@arrl.net).

**Conclusion:** The L'Anse Creuse Amateur Radio Club Digital Challenge is an exciting opportunity for amateur radio operators to delve into the world of digital modes, fostering a sense of community and exploration. We look forward to your participation and wish everyone the best of luck in this engaging and educational endeavor.

73 and see you on the air!

Dennis Jarzombek / N8MKG

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# Getting Started in Digital Amateur Radio

By Dennis / N8MKG

**Introduction:** Amateur radio enthusiasts are increasingly drawn to the captivating world of digital modes, enhancing communication possibilities, and opening up new avenues for exploration. This guide focuses on initiating amateurs into digital modes on High Frequency (HF) radio, offering insights into the necessary hardware, software, and resources to get started.

**HF Radio Focus:** While digital modes can be explored on VHF, UHF, and higher bands, this guide concentrates on the HF spectrum. HF radio provides a robust platform for digital communication, offering enhanced propagation capabilities and a wider range of possibilities for digital mode enthusiasts.

**Hardware Connections:** Before diving into digital modes, establishing a connection between the radio and the computer is essential. Some radios, like the IC-761, are equipped to decode certain digital modes directly with the addition of a keyboard. Newer radios often feature built-in digital capabilities through USB connections, eliminating the need for external sound cards. For radios without USB ports, an alternative is utilizing a sound card, such as the Tigertronics Signalink USB Interface, available through ham radio outlets. Ensure to request the correct cable when purchasing.

For video tutorials on hardware connections, refer to KE00G, Dave Casler's insightful videos on YouTube, including "Setting up for Digital Modes, AD#25" [https://www.youtube.com/watch?v=COmSkT06\\_CY&list=PLA69irDAF7c7d9JiegVjZ-qiLSOs8YGF2&index=2](https://www.youtube.com/watch?v=COmSkT06_CY&list=PLA69irDAF7c7d9JiegVjZ-qiLSOs8YGF2&index=2) and "Soundcards and the Signalink USB (#307)" <https://www.youtube.com/watch?v=As1xTP-M04&list=PLA69irDAF7c7d9JiegVjZ-qiLSOs8YGF2&index=3&t=1271s>

**Driver Installation:** If your radio requires a direct connection to the computer, download and install the appropriate drivers. Ensuring compatibility is crucial for seamless communication between the radio and computer.

**Software for Decoding:** To decode digital modes, software is a necessity. While some options like DM 780 from Ham Radio Deluxe come at a cost, most decoding software is available for free. This guide focuses on [FLDigi](#), a versatile and widely used decoding software.

For step-by-step instructions on setting up FIDigi, Dave Casler provides an excellent video tutorial titled "Installing FLDIGI for amateur radio digital modes: AD#26." <https://www.youtube.com/watch?v=jvOJFFkYIAs&list=PLA69irDAF7c7d9JiegVjZ-qiLSOs8YGF2&index=5>. While the video is 7 years old, it is still pertinent. Additional and newer instructional videos on FIDigi can be found by searching YouTube.

**Conclusion:** Armed with the right hardware, software, and knowledge, you are now ready to embark on the exciting journey of digital modes in amateur radio. The guidance provided here, along with the recommended videos, should help you navigate the setup process effortlessly.

As you delve into the digital world of amateur radio, remember to explore various modes, participate in the ongoing learning process, and, most importantly, enjoy the experience. Good luck, and we look forward to your active participation in the upcoming Digital Challenge.

73, Dennis Jarzombek/N8MKG

# JANUARY'S DIGITAL MODE

## RTTY = Radio Teletype

**What is RTTY?** RTTY, or Radio Teletype, is a popular digital mode used in amateur radio for transmitting text over radio frequencies. It employs a form of frequency-shift keying (FSK) to encode characters, sending binary data by shifting the frequency of the transmitted signal between two predetermined frequencies. In RTTY, the two frequencies typically used are 2125 Hz and 2295 Hz.

### Key Components of RTTY:

1. **Shift and Baud Rate:**
  - **Shift:** RTTY commonly uses a shift of 170 Hz, meaning the frequency shift between the "mark" and "space" elements is 170 Hz.
  - **Baud Rate:** Baud rate refers to the number of symbol changes (frequency shifts) per second. In RTTY, the standard baud rate is 45.45 baud.
2. **Modes of Operation:**
  - **F1B:** RTTY is often referred to as F1B, indicating a frequency-shift keying mode with two tones.
  - **ASCII:** RTTY uses ASCII (American Standard Code for Information Interchange) to encode characters, allowing the transmission of alphanumeric text.
3. **Typing and Decoding:**
  - **Keyboard-to-Keyboard (K2K):** Operators can engage in real-time conversations by typing on a keyboard and decoding messages received through the RTTY mode.
  - **Contests and Traffic Handling:** RTTY is commonly used in amateur radio contests and for efficiently handling message traffic.
  - [https://www.sigidwiki.com/wiki/Radio\\_Teletype\\_\(RTTY\)](https://www.sigidwiki.com/wiki/Radio_Teletype_(RTTY)) shows a RTTY signal on a waterfall and also allows you to hear what it sounds like.

### How RTTY Pertains to Amateur Radio:

1. **Communication Efficiency:**
  - RTTY offers an efficient and reliable means of communication, particularly in conditions where voice communication may be challenging due to noise, interference, or weak signal propagation.
2. **Contesting and Awards:**
  - RTTY is a popular choice for amateur radio contests, providing a level playing field for operators around the world. Many contests and awards recognize achievements in RTTY communication.
3. **Digital Challenges and Events:**
  - Amateur radio clubs often organize events, like the Digital Challenge mentioned earlier, where RTTY becomes a featured mode for participants to explore and engage in friendly competition.
4. **Skill Development:**
  - Operating in RTTY enhances operators' skills in understanding and managing digital

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modes. It fosters an environment for learning about radio propagation, equipment setup, and effective communication practices.

#### 5. ARRL RTTY Roundup

- The ARRL RTTY Roundup is set to take place on January 6th and 7th, providing a 30-hour window for participants to showcase their RTTY prowess and make contacts for the Digital Challenge.
- The rules can be found here: <https://contests.arrl.org/ContestRules/RTTY-RU-Rules.pdf>
- I wasn't going to start the Digital Challenge until February but the round up is too good to pass up so hopefully you will have your stations up and running and will be able to take advantage of the Roundup.

#### 6. Frequencies

- Depending upon propagation, you'll usually find RTTY around 21.080, 14.080, 7.040, 7.080, and 3.580. Start there and look up around 10 kc from each frequency.

In conclusion, RTTY plays a crucial role in amateur radio by providing a versatile and effective digital mode for text communication. Its adoption continues to grow, and it remains an integral part of the diverse and dynamic amateur radio community.

## THE PAST PREZ SEZ

As the outgoing President, I can gladly say that this past year has been a very positive one for the club. Everything has turned out to be beyond expectations. We have had increases in every aspect of club activity. We had more participation during our contesting events. Which was further evidenced by receiving the plaque for the top spot in Multi-Operator – Multi-transmitter class for the Michigan QSO Party. We finally completed, after years of effort, getting more antennas up on our repeater tower. We got more people taking and passing FCC exams through our VE team. We have more members in the club. Our swap & raffle was a huge success by all measures. And to top it all off, we have more in the treasury to support all our events and activities.



I hope that the enthusiasm for continued increased participation, in all that the club does, rolls into 2024. I would like to thank the board and activity leaders for doing such a great job this past year! I would like to specifically thank John/N8FYL for continuing putting together the highest of quality club newsletter, *The Tuned Circuit* (TC). The TC is the heartbeat of the club and takes hours of time every month to put together. Going forward, we are in great hands with Dennis/N8MKG now leading the group and with Scott/K8VXM stepping up as VP/President-elect to prepare to lead in 2025. I hope more folks step out of their comfort zone and join in on club positions and club activities. This will make 2024 an even bigger year than the last!

Looking forward to seeing you all at our January 3<sup>rd</sup> Club meeting and at Winter Field Day (January 27-28) at the Tucker Senior Center.

73, Marty / K8HVI

# Report of the Secretary

Submitted by Ken Janicki / KD8RJN

## Meeting Call to Order:

President, Marty/K8HVI called the December 6<sup>th</sup>, 2023, LCARC general membership meeting to order at approximately 7:00 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: Marty/K8HVI, Gregg/N8GEO, Dennis/N8MKG, Mike/N5WCS, Doug/N8PYN, Larry/N4LAK, John/N8FYL, Rick/K8RWM, Russ/N8HAR, Ralph/W8ROI, Clint/WB8ORM, Tim/AD8JL, Tyler/KE8WFY, Scott/K8VXM, Jeff/KC8RFC, Tony/KD8SRQ, Michele/N8KKG, Jim/WI8W, Keith/W8KD, Lito/K8AJJ, Mark/N8REZ, Dave/KC8BQW, Ken/N8KC, Dennis/AC8JH, Dale/K8RO.

**On Zoom:** Ken/KD8RJN, Tom/WU8C, Fritz/KE8BFW, Dave/W8WWP, Dave/KZ8Z, Philip/K8ZOO, Joe/KE4ZYQ, Dennis/WC8C.

**Visitors:** Don/No Call [but now KE8ZQP]

**FCC license upgrades:** One new Technician licensee, Don Foster, waiting his call [which is now KE8ZQP], and Dave/KC8BQW to Extra.

**November Meeting Minutes:** A motion to approve the November 2023 meeting minutes as posted in *The Tuned Circuit* with a correction to the month (October instead of published September) made by Mike/N5WCS, seconded by Doug/N8PYN. The motion passed. [Editor note: Correction applied to the [archived version](#) on the club web site.]

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

Total amount in the account is	\$13,798.61
The Youth Fund has	\$64.00
Outstanding check at the Knights of Columbus for the radio raffle	\$(3,280.00)
Total available (unallocated) is	\$10,424.61

A motion was made by Dale/K8RO and seconded by Tony/KD8SRQ to approve the Treasurer's report. The motion passed.

**Estate Sales progress:** Gregg/N8GEO gave an overview of the items sold at the swap from the donation from the Macomb Community College and silent key estates.

**Net Control Operators Needed:** Gregg/N8GEO stated we are managing the nets with the net control operators we have but we can always use more to help fill in. We could use about three more net control operators for the CW net to help relieve Tom/WU8C.

**Repeater Interference:** Gregg/N8GEO asked if anyone has heard the interference recently. As of the meeting no one has heard the interference. We believe it may be related to DTE interruptible service for air conditioning and it may come back when summer returns.

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**VE Testing:** Gregg/N8GEO stated we had great results at the swap for VE testing. Several volunteers came and helped. We expected 5 people to come for testing but had 12 walk-ins show up! The results were 5 passed the Tech, 6 the General, and 4 the Extra.

**Monthly Dinner Out:** Gregg/N8GEO stated there will not be a dinner out for December due to the Christmas party. Our outing in November at Olive Garden was a great success.

**Membership Report:** John/N8FYL - We have 96 members of which 4 are life members and 7 are getting the first-year free membership. As of the December meeting we have 20 members yet to renew their membership. 4 of those have stated they do not plan to renew.

**Tuned Circuit:** John/N8FYL -The January *Tuned Circuit* deadline is Tuesday December 26<sup>th</sup>, 2023.

**QSL:** Dale/K8RO – No report this month.

**Net Points:** Clem/W8VO – No report this month.

**Where's Doug:** Doug/N8PYN – On December 3<sup>rd</sup> is the world-famous L'Anse Creuse swap took place and was a great success. Livonia is the next swap coming up in February. See *The Turned Circuit* for details.

**ARRL Liaison Report:** Keith/W8KD stated he will be stepping down as the ARRL Liaison. We have a new ARRL Great Lakes division director starting January 1<sup>st</sup>, 2024. January has two good contests. Straight Key Night (which start on 12/31), and RTTY Round Up. See the ARRL web site for details. The Scholarship Program is taking place with scholarships from \$500 to \$2,500 yearly. See the ARRL web site for details and the forms. The FCC is soliciting comments on the power limits of the 60 Meter band. Currently it is limited to 100 Watts.

**Technical Committee Report:** Dale/K8RO – Not much was done on the repeaters due to the swap. The heaters were turned on and cabinets closed and insulated for winter.

**Swap Meet:** Russ/N8HAR provided an update on the swap on December 3<sup>rd</sup>. He provided an overview of the financial and volume of attendees and sales from the radio raffle and kitchen. The swap was a success from an attendee perspective and financially. Gregg/N8GEO provided the names of the door prize and radio raffle winners. December 1, 2024, is the date for our next swap.

**Siren Test Reporting Update:** Marty/K8HVI provided an update on the Macomb Count siren test reporting. We had 17 people observing sirens on 12/26/2023. 15 functioned as expected but 2 failed to operate. The photos of the new ones in Armada show the power boxes have switches but are not locked. Anyone could power them off. This will be reported to the county for correction. At the swap 8 new people signed up to do monitoring. He also shared the new spreadsheets and mapping for the siren locations.

**Christmas Party:** Mark/N8REZ gave an update on the party planning. The party will take place on December 13 at Penne Lane on Hall Road. There will also be a raffle for the center pieces.

**January Program:** The program for the January Meeting will be the White Elephant Gift Exchange. See *The Turned Circuit* for details.

**Winter Field Day:** Gregg/N8GEO gave an overview of the upcoming Winter Field Day on January 27<sup>th</sup> and 28<sup>th</sup>. It will take place at the Tucker Senior Center.

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**Michigan QSO Award:** Marty/K8HVI displayed the plaque the club received for the 2023 Michigan QSO Party. N8LC earned First Place in the multi operator and multi station category.

**Board Meeting:** No board meeting planned for December.

**Digital Challenge:** Dennis/N8MKG gave an overview of the contest the ARRL personnel described to him at the swap. A club in flat Rock is doing a digital challenge each month. A different digital mode is picked, and you see how many contacts you can make. Dennis will provide an article to *The Tuned Circuit* and a presentation at the January meeting to try and get this going. He would also like to open it up to other hams and clubs. More to come in January.

**Club Elections:** Marty/K8HVI gave an overview of who is running and what positions. There being no further nominations, a motion was made to elect all candidates by acclamation. All candidates were elected: President-elect Scott/K8VXM, Secretary Dennis/AC8JH, Treasurer Gregg/N8GEO, Technical Officer Doug/N8PYN. We still have two open positions: Activity Manager and ARRL Liaison.

**Meeting Close:** The meeting was adjourned at 8:30 PM.



Here is a photo of the MIQP plaque won by stalwart operators of the N8LC stations set up in the Hadley-Metamora State Recreation Area for this event.

Thanks to the efforts of Tim/AD8JL, Marty/K8HVI, Dale/K8RO, Tim/KE8WFY, and Doug/N8PYN the club received this recognition.

The 2024 event will be April 20, 2024, two weeks and 6 days AFTER Easter. Planning will probably start by the time of the March membership meeting.



# JANUARY 3RD MEETING!!!

Submitted by Dennis / WC8C—Activities Manager (Retired)

Once again, we will have a White Elephant gift exchange at the January club meeting. It has always been a good time, so bring something to exchange! Here are the rules:

- Something from your basement, garage, or ham shack, that you no longer use or need, is what is needed. Hopefully it will have something to do with Amateur Radio.
- You may bring multiple gifts.
- For each gift you bring you will receive a ticket that will be used to determine the selection order.
- **All gifts need to be wrapped and all gifts need to remain wrapped until the end.** Do not unwrap any gift until after all gifts are distributed.
- The person having the first ticket will be the first to select a gift from the table and we continue the gift selection by selecting a ticket until all gifts are removed from the table.
- When your ticket is called you have the option of stealing a gift from anyone that has one or taking a gift from the table. All gifts are still wrapped, so you will be choosing solely based on the wrapping/size/weight of the package. Please do not vigorously shake packages in case some items are fragile.
- If your gift is stolen you select another gift from the table. You cannot steal anyone's gift.
- Again, **No gifts are to be unwrapped until all gifts have been selected**
- There is no limit to the number of times a gift can be stolen.

If you can't be there, consider joining the meeting via Zoom video conferencing using the details on [page 12](#).



**Meeting time is 7:00 PM**



## 2023 LCARC Christmas Party

For the second year in a row, clear, non-wintery weather on December 13 made the traveling to the event at Penne Lane a non-issue. Not so true for some past Christmas parties. The 27 attendees enjoyed the good food, good company, and good cake! Thanks N8REZ for organizing another LCARC holiday dining experience.



## 2023 LCARC Hamfest/Swap - Wrap-up

By Russ/N8HAR

Thank you to all our club members and member's spouses who helped make our 2023 Hamfest a huge success!

The sale of equipment that had been donated to our club helped financially. Many members were able to acquire the equipment at reduced prices. The remainder of unsold items made their way onto our club tables at the swap.

Thank you all again for helping me in 2023. We can rest for a few months and then we will need to start planning for the 2024 Hamfest/swap. Sunday, December 1<sup>st</sup> is the date for the 2024 Swap.

### Financial Report:

Swap P/L	
Direct Swap Income	\$4,383.00
Total Expenses	\$3,115.57
<b>Swap P/L</b>	<b>\$1,267.43</b>

Radio Raffle Tickets	
Total Raffle Sold	328
Vendor Pre Sales	11
Prior Swap Pre Sales	200
Sold at Swap	117

<b>Cafeteria P/L</b>	<b>\$98.27</b>
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<b>Radio P/L</b>	<b>\$2,114.05</b>
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Swap Tickets	
Total Tickets Sold	225
Vendor Pre Sales	55
Sold at Swap	280

<b>Equipment Sales</b>	<b>\$2,365.00</b>
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<b>Repeater Fund</b>	<b>\$0.00</b>
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<b>Total income</b>	<b>\$5,844.75</b>
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Russ Price – N8HAR      LCARC Swap Chairman

## Membership Report

We have 97 members on our roster! Welcome to Shannon/K8ADK, John/KD8VXY, and Joseph/KF7RQB who joined at the swap, and to Cheryl/N8MKF the XYL of our President. Our membership comprises 89 regular members of whom 8 are "first-year free" members, and four Life members.

Of the 20 members who have not renewed, I have received notification from four who will not be renewing. In January I will be sending reminder emails to the those 16 who have not yet renewed.

Remember, if you have **not** renewed by the end of the February 2024 regular club meeting, you will be removed from the membership list.

John / N8FYL – 12/28/2023





The next LCARC administered  
VE test session is scheduled for  
March 18, 2024  
at the Tucker Senior Center.



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## 4th Quarter VE Test Session Results

The test session at our swap was a huge success. It was a nice way to end the VE testing sessions for this calendar year.

It started with the expected 5 pre-registered folks that wanted to get their license or upgrade. It ended up being 17 folks wanting to do the same. LOL what a challenge to our testing team. But we did it with flying colors. Yes, it was challenging and some times we felt over whelmed but we made it. The best part is that we were able to bring new hams into the fold and get others an upgrade. Thanks to everyone there, VE's and folks taking the test. We were a little slow in some spots but no one on the team wanted to make a mistake that would have delayed someone from getting their email from the FCC with their new call or upgrade.

Again, we learned and implemented changes on the fly. We also received some constructive criticism from Jim/WI8W. He has been doing VE test sessions for years and his input was helpful. He has offered to join our testing team and his help is welcome.

Here are the results from the testing session.

- ◆ 17 candidates took their tests.
- ◆ 15 passed (they earned what they came in for, a few earned more than what they came in for).
- ◆ 2 did not pass.

Over all it was a great session.

Our testing sessions for next year are March 18th (Mon), June 17th (Mon), Sept 16th (Mon). All sessions doors open at 6 pm and testing starts at 6:30 pm. VE's please arrive at 5:45 pm to prepare. We will also have a VE session at the 2024 swap on December 1, 2024.

We could use some more help with VEs. Please take the time to take the open book test and get ARRL accredited. Just go to <https://www.arrl.org/become-an-arrl-ve> to begin your journey to ARRL VE accreditation. There is no charge for taking the open book test. (Man, I wish I had more chances to take a open book test in high school. I would have been a brainiac. LOL) Honest, it's that easy. If you have questions, please feel free to give me a call 586-738-2487. If I don't answer please leave a message and I'll get back to you.

73, Gregg/N8GEO

# Results for the Annual Radio Raffle

By Gregg/N8GEO

The ICOM 7300 was raffled off at our annual LCARC swap in December 2023. This year we sold more tickets than we have in past years. Almost more than any previous two years combined.

A lot of work went into this year's ticket sales. Tickets were sold at local swaps and at Dayton (Hamvention). Our ticket sales in the past have hovered around 160 tickets. With the additional swaps and especially Dayton, our ticket sales for this year were 328 tickets. Pretty much double previous years.

The sales at Dayton were phenomenal. I must give credit where credit is due. Ken/KD8RJN was a ticket selling machine down there. It was fun to see him inviting/challenging folks to buy a chance at winning the rig.

At our swap the sales were fantastic. Fritz/KE8BFW and Ken/KD8RJN were an awesome tag team at the front desk selling swap tickets and raffle tickets. I'm sure that the selling techniques at the swap would be been a sight to see. Both Fritz and Ken have a great attitude and have fun with everything that they do. I wish I would have had a few free minutes to watch then entice folks to buy tickets or take their change in tickets instead of cash.

We did sell tickets at a few local swaps: Livonia, GM, and even Toledo. Thanks to those folks for helping us reach such a high number of ticket sales. It takes many hands to achieve the number that we did.

Now for the numbers:

The radio price	\$1,165.95
Minus the ICOM rebate	\$ 100.00
Total radio cost to the club	\$1,065.95

Total ticket sales	\$3,280.00
Minus radio total cost	\$1,065.95
Raffle profit	\$2,214.05

A nice chunk of change.

As for the winner of the radio, he's not even a ham. He's a guy we all know and he has been buying/setting up a table at our swap for as long as I can remember. His name is Andy Galant. Upon winning the rig he said that it will not be long before he is licensed. Boy was he surprised and happy to be taking this rig home.

Again, THANKS to all for helping with the radio raffle.

73, Gregg/N8GEO



## Zoom Meeting Details for 2024



Join Zoom Meeting (Membership & Board Meetings)

<https://us06web.zoom.us/j/83614331186?pwd=YzVIMTZVNORaeUdGMkxVWFVdVdpQT09>

Meeting ID: 836 1433 1186      Passcode: 379870

**Join Zoom Meeting** 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.

## Winter Field (FUN) Day (WFD) 2024

Submitted by Gregg/N8GEO



Well, the official title is Winter Field Day but I decided to add the word FUN in the mix. Our club has been participating in WFD for many years and each year it gets bigger and better. We as a club have expanded it from being a regular Field Day experience to an all-inclusive WFD and anything to do with electronics free for all. We do participate in the WFD event. Folks bring rigs and/or antennas or the other way around and get them up and working for the event. We also help you with that antenna that has been lying around that you had fun building but never put it up and operated on or you built that single band rig but never had the time to give it a try. Well now is the time. You also might have that project that never got finished or could not quite get it work. Well, this is the time to get some help and boy you will get plenty of suggestions on how to make it work. I guess you can think of this day as a "free for all" for any questions or subjects about electronics. Heck sometimes we talk about other stuff besides electronic or ham radio stuff. LOL

The WFD operating event starts Saturday, January 27th at 2 pm and ends on January 28th 2 pm. However, we will be at the Tucker Senior Center setting up on the 27th at 8:30 am and we will probably be there until 3-4 pm on the 28th tearing down. The Tucker Senior Center is located at [26980 Ballard St, Harrison Twp, MI 48045](#).

We will have hot coffee available and usually folks bring snacks, sometimes we order sandwiches (everyone is responsible for their own sandwich cost).

If you want to know more about WFD please click here <https://winterfieldday.org/index.php>

We will be discussing this activity in depth at our December and January club meetings which are held at the Tucker Senior Center on the first Wednesday of the month at 7pm. You are welcome to attend.

I hope to see you all at the club meeting and/or the event. I look forward to meeting some new and old friends.

Editor adds: You can review the report and pictures of the 2023 WFD activity in the [March 2023 edition of The Tuned Circuit](#).

73, Gregg / N8GEO

## Future Programs & Activities

???? — Activities Manager

January 3, 2024	Regular membership meeting—White Elephant Exchange
January 27-28, 2024	<a href="#">Winter Field Day</a> —N8LC operates from the Tucker Senior Center
February 7, 2024	Regular membership meeting
March 6, 2024	Regular membership meeting
March 18, 2024	Volunteer Examiner (VE) test session at Tucker Senior Center
April 3, 2024	Regular membership meeting
April 20, 2024	Michigan QSO Party
May 1, 2024	Regular membership meeting
May 17-19, 2024	Dayton <a href="#">Hamvention</a>

## L'Anse Creuse ARC Board Members – 2024

### President

Dennis Jarzombek , N8MKG  
45985 Hollowoode Ln  
Macomb, MI 48044-4170  
586-838-8500  
[jarzombek@outlook.com](mailto:jarzombek@outlook.com)

### VP and President-Elect

Scott Gabler, K8VXM  
35161 Rutherford St  
Clinton Twp, MI 48035-2665  
586-855-8084  
[K8VXM@protonmail.com](mailto:K8VXM@protonmail.com)

### Secretary

Dennis Ruth, AC8JH  
53359 Mark Dr  
Shelby Twp, MI 48316-2374  
248-651-2081  
[dkruth7103@sbcglobal.net](mailto:dkruth7103@sbcglobal.net)

### Treasurer

Gregg Crump, N8GEO  
29729 South River Rd  
Harrison Twp, MI 48045-3030  
586 738-2487  
[n8geo@arrl.net](mailto:n8geo@arrl.net)

### ARRL Liaison

This Position is Vacant.  
Will you be the volunteer  
that fills it?

### Activities Manager

This Position is Vacant.  
Will you be the volunteer  
that fills it?

### Past President

Marty Folz, K8HVI  
40360 Ryan Rd  
Sterling Heights, MI 48310-1756  
586-268-0544  
[k8hvi@arrl.net](mailto:k8hvi@arrl.net)

### Technical Officer

Doug Chauvin, N8PYN  
29112 Elmwood St.  
St Clair Shores, MI 48082-1616  
586 775-1891  
[n8pyn@yahoo.com](mailto: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 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 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](mailto: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			Meeting Refreshments	Russ Price	N8HAR
ARRL VHF/UHF Awards Manager			Membership Chairman	John Slobodnik	N8NXW
Call Sign ID Tags	Gregg Crump	N8GEO	TC email distribution	John Huber	N8FYL
Christmas Party	Mark Castiglione	N8REZ	Net Points Manager	Tom Mathison	WU8C
Club Apparel & Patches	Scott Hernalsteen	W8CQD	Net Points Upgrade Awards	Clem Duval	W8VO
Club Call Trustee - N8LC	Marty Folz	K8HVI	TC Postal Distribution	John Huber	N8FYL
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	Scott Gabler	K8VXM	Swap Chairman	Russ Price	N8HAR
Door Prizes—Tickets	Mike Koenig	N5WCS	<i>Tuned Circuit</i> Editor	John Huber	N8FYL
Echo Repeater Trustee	Marty Folz	K8HVI	Volunteer Exams	Gregg Crump	N8GEO
Field Day	Gregg Crump	N8GEO	Webpage ( <a href="http://www.n8lc.org">www.n8lc.org</a> )	Doug Chauvin	N8PYN
Health & Welfare	Cheryl Jarzombek	N8MKF	Webpage Assistant	Marty Folz	K8HVI
Licensing Classes	TBD		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

Email: [n8fyl@arrl.net](mailto:n8fyl@arrl.net) or [editor@n8lc.org](mailto:editor@n8lc.org)

Phone: (248) 740-2693

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

## VE Testing Locations

The LCARC scheduled testing dates for 2024 are March 18, June 17, September 16 which are all Mondays. The final 2024 session is Sunday, December 1st at our swap.

Contact Gregg Crump  
[n8geo.ham@gmail.com](mailto:n8geo.ham@gmail.com)

There are other 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.

## Study Resources:

<https://study.affirmatech.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/>

<http://www.g4fon.net>

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



## Upcoming Swaps

01/20/2024 - [Vintage Electronics Expo - Winter '24](#)

**Note:** This is a **SATURDAY** event

**Location:** Southfield Pavilion, Southfield, MI

**Type:** Vintage Electronic Expo

**Sponsor:** Michigan Vintage Electronics Club

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

02/10/2024 - [Cherryland ARC 50th Anniversary](#)

[Swap-N-Shop](#)

**Location:** Traverse City, MI

**Type:** ARRL Hamfest

**Sponsor:** Cherryland Amateur Radio Club

**Website:** [http://cherrylandarc.com/?page\\_id=56](http://cherrylandarc.com/?page_id=56) [Learn More](#)

02/17/2024 - [Livonia Amateur Radio Club Annual](#)

[Swap & Shop](#)

**Note:** This is a **SATURDAY** event

**Location:** Livonia , MI

**Type:** ARRL Hamfest

**Sponsor:** Livonia Amateur Radio Club

**Website:** <http://livoniaarc.com/larc-annual-swap-and-shop>

[Learn More](#)

03/17/2024 - [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](#)

05/17-19/2024 - [Dayton Hamvention](#)

**Location:** Xenia, OH

**Type:** ARRL Hamfest

**Sponsor:** Dayton Amateur Radio Association

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

[Learn More](#)



L'Anse Creuse Amateur Radio Club Nets								
Local Time	NET	Mode	Frequency in MHz	First week	Second week	Third week	Fourth Week	Fifth Week
<b>Monday evening:</b>								
20:00	15M	CW	21.165	Tom WU8C	Seeking Net Control operators.			
20:30	15M	USB	21.395	Clem W8VO	Lito K8AJJ	Gregg N8GEO	Clem W8VO	Clem W8VO
21:00	6M	USB	50.160	Gregg N8GEO	Russ N8HAR	Dale K8RO	Lito K8AJJ	OPEN
<b>Tuesday evening:</b>								
21:00	2M	FM	147.08+	Sterling Heights CERT	2nd Tuesday of the month			
A LCARC sanctioned net run by the Sterling Heights CERT.								
<b>Thursday evening:</b>								
19:30	10M	USB	28.435	Clem W8VO	Clem W8VO	Gregg N8GEO	Clem W8VO	Clem W8VO
20:30	2M	FM	147.08+	Clem W8VO	Russ N8HAR	Gregg N8GEO	Tony KD8SRQ	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: \_\_\_\_\_

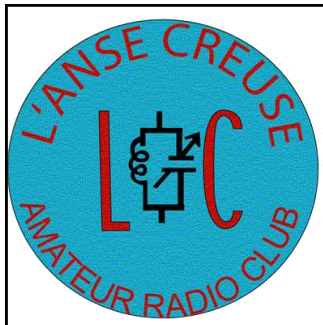
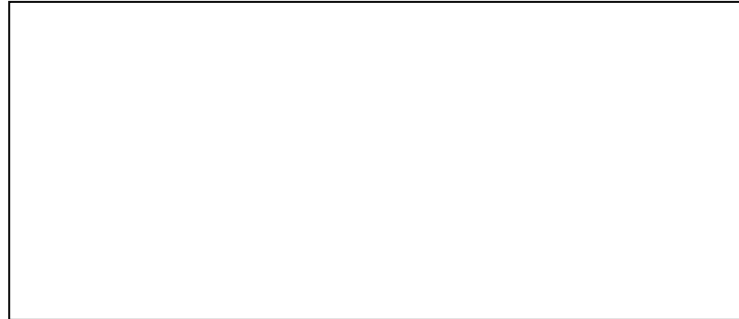
Note: LCARC dues are from **Nov 1st to Oct 31st**

**Class License (Circle One)**

Novice Technician Tech+  
General Advanced Extra

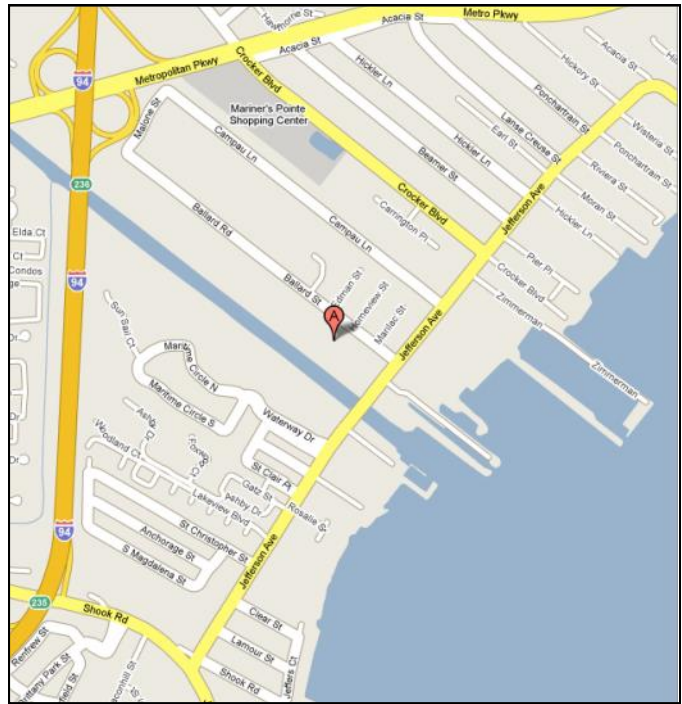
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**Monthly Bulletin of the**  
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<http://www.n8lc.org>

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.