

THE TUNED CIRCUIT

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

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**June TC
Deadline:
Monday
May 24th**

Next Meeting - **7:00 PM May 5th 2021** 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 5!](#)

The NEXT board meeting will be on Wednesday, May 12th, 2021.

THE VICE PREZ SEZ

The May 5th 2021 general membership meeting will again be **IN PERSON** at the Tucker Senior Center. We will again make our meeting accessible via [Zoom video conferencing](#).

Free Zoom meetings usually have a 45 minute limit. If the Zoom session does cut off, you should try reconnecting to the same meeting link, and it should work.

I (Dale/K8RO) would be happy to attempt to assist anyone that is not sure how to get on Zoom, or if they can get on. Please call me at 248-563-4497, and I will do what I can to assist. I can have a special Zoom session so you can check out Zoom before the meeting.

Zoom Invitation Details:

Topic: LCARC May Meeting

Time: May 5, 2021 07:00 PM Eastern Time (US and Canada)

Join Zoom Meeting (by clicking this link)

<https://us04web.zoom.us/j/73561035708?pwd=cnN2RkF4Q0hNbDIJeHBRNm5SaVZtQT09>

Meeting ID: 735 6103 5708

Passcode: B8K3f0

We are fortunate to have Ronald C Wilcox [KF7ZN](#) from Clinton, Utah, join us via Zoom and put on our program for the evening on "From Sun to Earth How the Sun Affects Propagation"

The May LCARC meeting will be **LIVE at the Tucker Senior Center and available via [Zoom](#) video conferencing on Wednesday, May 5th, 2021 at 7:00 PM.**

Report of the Secretary

by Marty / K8HVI

Meeting Call to Order:

The President, John, N8NXW, called the April 7th, 2021 LCARC general membership meeting to order at 7:06PM at the Tucker Senior Center where we also had Zoom meeting session setup for those that couldn't come in person.

Roll Call was taken and we had 17 members present: N8NXW, K8RO, KD8RJN, KE8BFW, N8TTT, W8ROI, N8HAR, N8NLK, W8KD, N8PYN, N8GEO, WU8C, KA8VSI, K7SDF, N8AT, N8FYL, W8CQD.

We had two visitors, Joe (no call yet) and Lee/W8CTF. Joe brought in donuts for everyone!

FCC license upgrades: None

Dave/N8NLK made a motion to approve the prior month's (March 2021) meeting minutes. It was seconded by Henry/N8AT. Motion passed.

Treasurer's Report: by Gregg/N8GEO:

Total amount in the account is	\$5,470.29
The Youth Fund has	\$375.00
The Repeater Fund has	\$191.54
The Repeater Project has	\$3,190.96
Total amount available (unallocated) is	\$1,712.79

Gregg also stated that Vince/WA8BIJ donated some radio equipment to the club. The donation includes the gear installed in his truck. Gregg and XYL visited Vince to pick it up and also removed the radio and antenna from the truck. The donated equipment includes an FT-857 transceiver, ATS-400 Autotuner, Bencher Keyer, and two 2 meter antennas. Gregg is selling it on ebay. Should be able to give a total amount next

month. Vince requested that the funds go into the LCARC Repeater Fund.

Russ/N8HAR made a motion to approve the treasurer's report. It was seconded by Ken/KD8RJN. Motion passed.

Where's Doug: by Doug/N8PYN:

Monroe Swap is still on for Father's Day.

GM Radio Club is going to be starting up their monthly trunk swap in May. Don't have dates yet for this.

Repeater Site Update

Doug/N8PYN said the 2 antennas from the lower level have been removed by AT&T and are inside our shelter. We are just waiting for a date from our engineering company for when they can come out and install our items on the tower.

Gregg/N8GEO stated our February electric bill was \$85.58. March bill was \$63.04. So we are seeing some improvements due to the changes we have made with the thermostat and the insulation. Next month should be even lower.

ARRL Liason report: Keith/W8KD. Nothing to report.

Net Points: reported by John/N8FYL for Clem/W8VO. Via Zoom so no stickers tonight.

Name	Points	Name	Points	Name	Points
Clem W8VO	3800	Gregg N8GEO	1950	Mike AC8ER	1200
Mike N5WCS	400	Scott W8CQD	100		

(Continued from page 2)

Membership and Tuned Circuit Report: by John/N8FYL

69 members, (includes 8 life members). The May *Tuned Circuit* deadline is April 26, 2021.

QSL Report: Dale/K8RO

47 QSLs processed this month. 4 or 5 QSL requests were rejected as they were not in our log. Dale has a list for people to look at it.

Old Business:

Dave/N8NLK brought in a picture from the club's original breakfast club. People eating are Charlie, Karl, Larry/W8PED, Clarence, Dave/N8NLK, Tom/WU8C, Vince/WA8BIJ, Fred/W8ONE, Howard/W8MOF, Jerry, Stag/K8MKA, Morrie.. Much reminiscing was had about the prior fox hunts.

Russ/N8HAR talked about our swap being on track for December.

Gregg/N8GEO stated we are all good for Field Day at Addison Oaks County Park. Cost this year is \$250, which includes the port-a-john. We will have to supply our own wood for the campfire.

Gregg/N8GEO stated the VE Sessions have gone real well. He is looking for some more persons to help with the testing. It is very easy to get certified. It is an open book test. Please call Gregg if you are interested in helping out.

John/N8NXW wanted to know if anyone was interested in starting up the monthly workshop activities. He stated the college is still closed, so he is offering to do it at his QTH. Maybe we could do it at the Tucker Center. Discussion was had and generally agreed to probably revisit getting this going again in the Fall.

New Business:

John/N8FYL made a motion to donate \$200 to the ARRL Scholarship Fund in memory of Art/W8PBO (SK) our club founder. Dale/K8RO seconded the motion. The motion passed. Gregg/N8GEO will send the donation notification to his family.

John/N8NXW stated that the next board meeting will be next Wednesday, April 14th, at 7:30pm on Zoom. Dale/K8RO will send out the Zoom meeting notice.

Dale/K8RO led some discussion on the Michigan QSO Party. Seems like it will be best to just do it like Winter Field Day and have everyone operate from home. Dale will follow up on our club reflector to see if there is enough interest to run it at the Tucker Center.

Gregg/N8GEO stated that the raffle tickets for the transceiver has been put on hold by the State.

We will have door prizes and 50/50 drawing today.

Close Meeting:

Dale/K8RO made a motion to close the meeting. It was seconded by Gregg/N8GEO. Motion passed. Meeting closed at 7:47pm.

Club Presentation: Gregg/N8GEO

Vince/WA8BIJ took some VCR tapes from the 1978 & 1979 LCARC Field Day and put them on DVDs. Gregg/N8GEO transferred the DVD files to a PC (Windows) video file format. These videos will be today's presentation.

Board Meeting Minutes

Submitted by Marty, K8HVI

Meeting Call to Order:

The LCARC Vice-President (Dale/K8RO) called the March 17th, 2021 LCARC board meeting to order at 7:30 PM. Meeting was held via Zoom.

Present were: K8RO, N5WCS, W8KD, W8CQD, N8HAR, KE8HHA, N8PYN, N8GEO

Gregg/N8GEO completed the donation to ARRL Scholarship fund to honor our club founder Art/W8PBO (SK). They should send a notice to Art's wife Millie.

Michigan QSO Party will not be held at the Tucker Senior Center. Everyone can work towards the club score from their home. QTH.

Gregg/N8GEO asked if any ideas for program for the next month? Was stated that last month's presentation from the old LCARC Field Day video was a big hit. Some discussion on different presentations that the club might enjoy.

Russ/N8HAR brought up that the club meeting Zoom had a lot of echo on the audio. Some discussion on what could we change to help with cleaning up the audio.

We will do the Fox Hunt for June. Will wait to see if the post hunt gathering at a restaurant will work out. We might do a pizza and eat it at a pavilion somewhere.

We will hold the ARRL Field Day at Addison Oaks County Park. It will run pretty much the same as prior years.

Russ/N8HAR still no news for the December Swap. Will probably know more by June.

Gregg/N8GEO wanted to get our club tri-fold brochures printed again so we can hand them out. Gregg moved that Dale/K8RO print 500 color club brochures at his house for the club. After much laughter, Dale rejected the motion. The motion failed.

Gregg/N8GEO said he sold all but 2 items from Vince/WA8BIJ's radio equipment donation. So far around \$1,100 is the total revenue. Still need eBay's final invoice totals which shows what they take out for taxes and fees. It was suggested that we recognize Vince for this large donation to the club. A lot of brainstorming was had on options to do this. Gregg agreed to take the lead.

Dale/K8RO repeater report. Will get with Marty on following up with the tower company for them to select a date to get the tower work done.

Meeting adjourned at 8:54pm

MAY 5TH MEETING IN PERSON!!!

The May meeting will be in person with ZOOM video conferencing access. See the ZOOM details in [The Vice Prez Says on page 1](#).

We are fortunate to have Ron Wilcox/[KF7ZN](#) from Clinton, Utah, join us via zoom and put on our program for the evening on “From Sun to Earth: How the Sun Affects Propagation”.

Here are some of his Amateur Radio activities:

- Past President, Board of Directors, and Secretary of the Utah DX Association
- ARRL instructor.
- Active VE for W5YI and ARRL, DCARC VE team
- Active in ARES, Assistant Emergency Coordinator (AEC) for Davis County.
- Presentations for clubs and conventions on propagation, DX history, DXLab suite, and other topics.
- Member of Northern California DX Foundation and International DX Association.
- I enjoy the Visalia International DX Convention, Rocky Mountain Convention, and am hoping to attend Pacificon one of these years.
- Moderator/host for the International QSO Today Convention.
- Election coordinator for MARAC
- I was on the committee and presenter for the 2019 Rocky Mountain Convention.
- Member of Davis County Amateur Radio Club (DCARC), MARAC (county hunting), Diamond ARRL member, IOTA (islands on the air), Medical Amateur Radio Council (MARCO), and Utah DX Association (UDXA).
- Software I use: DXlab, N1MM, WIN4K3, LOTW, Clublog
- Had an article published in National Contest Journal (NCJ) December 2019.
- Contributing patron for Dr. Tamitha Skov WX6SWW
- I have recently joined HamSci and look forward to that experience.
- My favorite interests is DXCC, IOTA and county hunting.



Meeting time is 7:00 PM



Membership Report

After visiting with us at our April meeting we have 2 new members: Lee/W8CTF, and Joe who is not yet licensed. Welcome to the club! We hope Joe's pursuit of a license is realized soon.

Our member count is now up to 71: 60 regular members, 3 “first year free” members, and 8 Life members.

John / N8FYL – 04/27/2021



2021 MIQP is Now History



The 2021 Michigan QSO Party happened! A few club members participated from their home stations. Due to COVID91 issues there was no N8LC club operation from the Tucker Senior Center this year.

As of 4/27/2021 at 18:00 there have been [407 logs submitted](#). Among those logs are 3 that are identified as affiliated with "Lanse Creuse ARC". Based on claimed scores Dale/K8RO is 12th and Li-to/K8AJJ is 20th in the "Fixed Single Op High Power" class which had 103 logs, and John/N8FYL is 6th in "Fixed Single Op Low Power" class out of 258 logs.

If you participated in the MIQP at all, please submit your log and be sure to select "Lanse Creuse ARC" in the "Select Club you would like to contribute your score to" section on the [log submittal page](#).

73, John / N8FYL

Contest University

2021 [Contest University](#) Live via Zoom Webinar (**FREE!**)
 Thursday, May 20, 2021
[Registration](#) Opens April 21, 2021

Again in 2021 [Contest University](#) and Dayton Hamvention in person activities have been canceled. But again in 2021 [Contest University](#) will be virtual! Below is the course outline.

- 9:00 am EDT/13:00 UTC Welcome to CTU 2020 from W8CI and K3LR
- 9:05 am EDT/13:05 UTC WW2DX - "Cloud Contesting - Live Demonstration" moderators NN1C and W9KKN
- 10:00 am EDT/14:00 UTC W3LPL - "Preparing Your Station for Competition" moderators NN1C and W9KKN
- 11:00 am EDT/15:00 UTC MODXR - "Contest Categories - Make the Most of Your Entry" moderators W2NAF and KM3T
- 12:00 pm EDT/16:00 UTC K1AR - Memorial reading of the Silent Keys for 2021
- 12:05 pm EDT/16:05 UTC Lunch on your own
- 12:30 pm EDT/16:30 UTC DK6SP - "Youth - the Future of Contesters" moderators W2NAF and KM3T
- 1:30 pm EDT/17:30 UTC UA9BA - "Contesting from Russia" moderators K5TR and N5KO
- 2:30 pm EDT/18:30 UTC CT1BOH - "There is Nothing Magic About Propagation" moderators K5TR and N5KO
- 3:30 pm EDT/19:30 UTC NCOB - "Transceiver Performance for the HF DX and Contest Operator" moderators K1AR and N3RA
- 4:30 pm EDT/20:30 UTC Wrap up N9JA and K3LR
- 4:35 PM EDT/20:35 UTC K1AR - 2021 CQ Contest Hall of Fame Presentation

*Four ICOM Radios will be given away during CTU at random times.

You must be registered in Zoom and present during the random time drawing

For Sale — The Last of the Good Stuff!

Proceeds from the sale of this equipment will go to the LCARC repeater fund.

The equipment belonged to Vince/WA8BIJ. Gregg/N8GEO (LCARC Treasurer) has the items in his possession.

DSP noise filter	\$30.00
2M/440 mobile antenna with door mount	\$40.00

Contact Gregg,/N8GEO (n8geo@arrl.net 586-738-2487)

WRTC 2022 POSTPONED TO 2023!

At the WRTC 2022 Association Assembly on 23 April 2021, having previously consulted the WRTC Sanctioning Committee, **the assembly and Organizing Committee decided to postpone WRTC 2022 one year to 2023.** There have been no changes in the qualification process or to the overall structure of the event and its sponsoring committee. A detailed report on the qualification standings will be prepared and released at a later date.



In consideration of the worldwide public health challenges from the Covid-19 pandemic, we believe our decision is reasonable. We have received many communications from competitors and friends of WRTC and have taken them very seriously.

There will be further announcements regarding **WRTC** as soon as new arrangements have been made. Thank you for your understanding and commitments in support of our adventure!

73 de Carlo IK1HJS

President, WRTC 2022 Organizing Committee

Annual Armed Forces Day Cross-Band Test Set for May 7 – 8

From [ARRL News 04/26/2021](#)

The US Department of Defense will host this year's Armed Forces Day (AFD) Cross-Band Test, Friday and Saturday, May 7 – 8, in recognition of Armed Forces Day on May 15. The event is open to all radio amateurs. For more than 50 years, military and amateur stations have taken part in this exercise, designed to include amateur radio and government radio operators alike.



The AFD Cross-Band Test is a unique opportunity to test two-way communications between military and amateur radio stations, as authorized under FCC Part 97 rules. These tests provide opportunities and challenges for radio operators to demonstrate individual technical skills in a tightly controlled exercise in which military stations will transmit on selected military frequencies and will announce the specific amateur radio frequencies being monitored.

The [schedule](#) of military/government stations taking part in the Armed Forces Day Cross-Band Test and information on the AFD message is available on the MARS website.

[Complete](#) the request form to obtain a QSL card.

Clear Frequencies Requested for Net Providing 24/7 Coverage of St Vincent Volcanic Eruption

From [ARRL News 04/20/2021](#)

The Caribbean Emergency and Weather Net ([CEWN](#)) has been providing round-the-clock coverage during the La Soufriere volcanic eruption on the island of Saint Vincent and the Grenadines. Several neighboring islands are also being affected by the disaster. When responding to disasters and emergencies such as this, the [CEWN](#) utilizes 3.815 MHz LSB and 7.188 MHz LSB. [CEWN](#) is requesting that radio amateurs not involved in the volcano response to keep these frequencies clear. — Thanks to Ira Harris, VP2EIH

Are you ready for the new RF exposure evaluation regulations?

By Dan Romanchik, KB6NU

On Tuesday, April 27, Dan, W1DAN, ARRL Eastern Massachusetts Section Technical Coordinator, gave a Zoom presentation on the latest FCC regulations on RF exposure evaluation. These are spelled out in [FCC-1926A1](https://www.fcc.gov/document/fcc-maintains-current-rf-exposure-safety-standards) (<https://www.fcc.gov/document/fcc-maintains-current-rf-exposure-safety-standards>), "Proposed Changes in the Commission's Rules Regarding Human Exposure to Radiofrequency Electromagnetic Fields; Reassessment of Federal Communications Commission Radiofrequency Exposure Limits and Policies." The document is as long as the title might suggest—159 pages—but W1DAN boiled it down, focusing on what these changes mean for radio amateurs.

A recording of the presentation can be viewed by going to

https://drive.google.com/drive/folders/1_qIGZhHyMrha-axJt87DcuOUZuJO0t8F.

After explaining how RF exposure can be harmful, Dan explained how the rules are changing: The biggest change, he notes, is that amateur radio's categorical exclusion has been eliminated. What this means is that now every radio amateur will have to perform an RF exposure evaluation of their stations. This now includes mobile and portable stations, including HTs, SOTA/POTA stations, and Field Day and special event stations.

He noted that you must be able to prove that your station is safe. This includes not only performing the evaluation, but also documenting these evaluations, should this data be requested by FCC personnel.

One thing that's not changing are the maximum permissible exposure (MPE) limits. These are spelled out in [FCC OET Bulletin 65](https://transition.fcc.gov/Bureaus/Engineering_Technology/Documents/bulletins/oet65/oet65.pdf) (https://transition.fcc.gov/Bureaus/Engineering_Technology/Documents/bulletins/oet65/oet65.pdf), "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields." The FCC published this document in August 1997, but it's still the Bible when it comes to RF exposure. If you don't have a copy, or have never taken a look at it, you really should do so.

Be careful, though, when reading it. It contains a table (Table 1 on p. 21) that contains a list of output powers at various frequencies. If your station exceeded those limits, then you were required to perform an RF evaluation. Now, however, all amateurs (and other radio services, for that matter) must perform RF exposure evaluations if their output power exceeds 1 mW. We are no longer categorically excluded from performing these evaluations.

OET Bulletin 65 goes on to give guidance on how to calculate or measure exposure levels. Explaining how to do this is outside the scope of this article, but again, you'll want to refer to the bulletin for more information.

Besides the elimination of the categorical exclusion for amateur radio stations, what else is new is the dates on which amateur radio stations must perform evaluations. They are:

May 3, 2021(!) for new and modified stations

May 3, 2023 for stations that complied under the old rules.

Having said all that, the ARRL's [RF Exposure page](http://www.arrl.org/rf-exposure) (<http://www.arrl.org/rf-exposure>) has a lot of resources to help you understand this topic and perform your own RF exposure evaluations:

An [RF-exposure FAQ](http://www.arrl.org/files/file/Technology/RFsafetyCommittee/RFXFAQ.pdf) (<http://www.arrl.org/files/file/Technology/RFsafetyCommittee/RFXFAQ.pdf>) to

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help hams understand the new rules.

"[Learning to Live with RF Safety](http://www.arrl.org/files/file/protected/Group/Members/Technology/tis/info/pdf/QST_Mar_2009_p70-71.pdf) (http://www.arrl.org/files/file/protected/Group/Members/Technology/tis/info/pdf/QST_Mar_2009_p70-71.pdf)," QST March 2009 pp. 70-71.

[RF Safety at Field Day](http://www.arrl.org/files/file/Technology/tis/info/pdf/9906048.pdf) (http://www.arrl.org/files/file/Technology/tis/info/pdf/9906048.pdf) QST, June 1999, pp. 48-51. A case study of Field Day with NSRC in a public park

RF Exposure Station [Evaluation and Exemption Worksheets](http://www.arrl.org/files/file/Technology/tis/info/pdf/rfex1_2.pdf) (http://www.arrl.org/files/file/Technology/tis/info/pdf/rfex1_2.pdf)

[RF Exposure and You](http://www.arrl.org/files/file/Technology/RFsafetyCommittee/RF%20Exposure%20and%20You.pdf) (http://www.arrl.org/files/file/Technology/RFsafetyCommittee/RF%20Exposure%20and%20You.pdf). This 8 Mbyte PDF file contains the text of the entire book by Ed Hare, W1RFI.

[Chapter 5 References](http://www.arrl.org/files/file/Technology/tis/info/pdf/RF%20Exposure%20Chapter%205.pdf) (http://www.arrl.org/files/file/Technology/tis/info/pdf/RF%20Exposure%20Chapter%205.pdf) needed for filling out worksheet.

There are also links to FCC web pages with information on RF exposure.

I'm sure we'll all be hearing more about this in the days ahead. Hopefully, someone will come out with a simple way to do the modeling or make the calculations. As always, play safe.

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Dan Romanchik, KB6NU, is the author of the KB6NU amateur radio blog (KB6NU.Com), the "No Non-sense" amateur radio license study guides (<https://KB6NU.Com/study-guides/>), and often appears on the ICQPodcast (<https://icqpodcast.com>). When he's not RF exposure evaluations, he teaches online ham radio classes and operates CW on the low end of the HF bands.

Radio Amateur Helps Rescuers to Locate Lost Hiker

From [ARRL News 04/19/2021](#)

The keen and practiced eye of ARRL member Ben Kuo, AI6YR, helped to guide rescuers to a hiker stranded on a mountainside on April 12. Hiker Rene Compean, 45, had spent the night in a remote region of the Angeles National Forest after getting in a tough spot. After a concerned friend reported Compean missing on Monday, the Los Angeles County Sheriff's Department dispatched search-and-rescue (SAR) teams. Although amateur radio played no direct role in the rescue, Kuo cited his enthusiasm for technology and ham radio satellites and for Summits on the Air ([SOTA](#)) for helping him to develop the skills he needed to guide searchers to the most appropriate area.

"This is actually very applicable to being a SOTA activator — map, navigation skills," Kuo told ARRL. "Also, understanding RF propagation was key to this. The SAR teams were searching the other side of the mountain, where there is no cell signal." Kuo knew that from having hiked there before. As Kuo described it, Compean was found between four SOTA peaks.

SAR teams were deployed in the Mount Waterman area of the San Gabriel Mountains to find the hiker. According to the LA Sheriff's Department, a low-flying helicopter team spotted him Tuesday afternoon between Triplet Rocks and the east bump of Twin Peaks in the San Gabriel Mountains, and he was air-

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lifted to safety with no serious injuries. Kuo pointed the rescuers to the likely search area by matching satellite images with what Compean had transmitted over Twitter.

Kuo told the Los Angeles Times that he has an odd hobby of looking at photos and determining where they had been taken. He was able to employ his skill to determine the hiker's likely location using the tiny photo the hiker posted on Twitter that shows his legs and the valley below. As the newspaper reported on April 15, "When [Kuo] saw the photo posted by the Sheriff's Department, he set to work pulling publicly available satellite images and matching them to the vegetation and terrain below the hiker's legs."



Kuo's eye was good. He sent authorities the GPS coordinates of the most likely area, and the rescue team found Compean less than a mile from that location.

As the LA Times reported, the area where Compean was located on steep slopes and very difficult to access, requiring advanced climbing skills. The Sheriff's Department credited Kuo with saving them hours of fruitless searching. Kuo said this was the first time he'd been involved in a rescue like this one.

Are you a QRP operator?

The inaugural [QRP ARCI "Virtual FDIM"](#) (Four Days In May) will be held on May 22, the traditional Hamvention weekend. The virtual event includes day and evening lectures, plus a PDF of the proceedings. Registration is \$10 and closes on May 15.

Presentations start at 1400Z, each lasting about 45 minutes, then there will be about 15 minutes of QA between sessions. The line up this year includes:

- Jerry Wolczanski KI4IO — Making an Antenna Coupler
- Dr. Jack Purdum W8TEE— How to Select a Microcontroller for a QRP Project
- Dave Benson K1SWL ——— Anatomy of a Transceiver; Building a Better Mousetrap
- Han Summers G0UPL ——— Reach for the Skies: Extreme QRP at 35,000 Feet
- Will Jourdain AA4WJ——— All about the Icom IC-705
- Dino Papas KL0S ———— Bench Setup Using Inexpensive Test Equipment
- Tim Snodgrass KC0DN — Breaking Free of the Sunspot Cycle
- Ashhar Farhan VU2ESE — sBITX - An Open Source SDR that YOU can hack!





Home of Amateur Radio Practical Solutions



IF you want to spend some time on the internet reading about a variety of ham radio subjects, you will find plenty of stuff to examine at <https://www.dj0ip.de/>. This website is the work of Rick Westerman, [DJ0IP](#) / [NJ0IP](#) / [G5BMH](#) & [DM5P](#) (in contests). Don't blame me, your editor, if you spend too much time exploring there!

Hamvention Weekend Activities

That magical weekend in May is approaching. With no Hamvention this year, due to continuing Coronavirus restrictions, we have been developing several activities to keep Hams busy and engaged in the hobby.



Thursday May 20, 2021 The Virtual **Contest University** will be held starting at 9 AM EDT 1300Z. The course outline is available now. This will be a **free** event! Check <https://contestuniversity.com> for updates.

Friday May 21 Starting at 11 AM EDT 1500Z We will have the 2021 **Virtual Hamvention Forums**. The Hamvention Forums will be presented via Zoom Webinar. Registration for the Zoom Webinar will start 30 days before the event – look for the registration information on the Hamvention Website. Several Icom radios will be given away during the 2021 Hamvention Forums. The winners will be selected at random.

Saturday May 22 Participate in the **Hamvention QSO Party** 8 AM to 8 PM EDT (1200 May 22 to 0000 May 23 UTC). Please check the "[QSO Party 2021](#)" page for further details and updates.

Future Programs & Activities

“The Phantom” — Activities Manager

- May 5, 2021 Regular meeting night at the Tucker Senior Center. Meeting also available via ZOOM video conferencing!
- May 15, 2021 [GMARC Spring Trunk Swap](#)
- June 2, 2021 Regular meeting night, and the annual Fox Hunt
- June 15, 2021 [GMARC June Trunk Swap](#)
- June 21, 2021 Monday, L'Anse Creuse VE testing at the Tucker Senior Center
- June 26, 2021 ARRL Field Day—N8LC will be at Addison Oaks County Park again.
- July 17, 2021 [GMARC July Trunk Swap](#)
- August 21, 2021 [GMARC August Trunk Swap](#)
- September 1, 2021 Regular meeting night.

L'Anse Creuse ARC Board Members – 2021

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Activities Manager

This position is available!

Past President

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Board Meeting Time and Location

Board Meetings are held at 7 pm on the Wednesday after the regular membership meeting in September, November, January, March, and May. The location for May 2021 is to be determined. is [Roseann's Kitchen, 21400 15 Mile Road](#), Clinton Charter Township, MI. All club members are welcome to attend and have dinner. Talk-in through the LCARC ECHO 2 Meter repeater (147.080 MHZ, +600 KHZ, 100 Hz PL tone). Should a board meeting have a planned cancellation, this cancellation will be announced in the newsletter.

Club Founder - Art Ellis W8PBO SK

Club Committee Chairmen

ARRL HF Awards Manager	Tom Mathison	WU8C	Little Bay Awards	Dale McGorman	K8RO
ARRL HF Awards Assistant	Vince Cuker	WA8BIJ	Meeting Refreshments	Russ	N8HAR
ARRL VHF/UHF Awards Manager	Allan Koch	KA8JJN	Membership Chairman	John	N8NXW
Call Sign ID Tags	Gregg Crump	N8GEO	TC email distribution	John Huber	N8FYL
Christmas Party	Cathy Chauvin	KC8WVK	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	Doug Chauvin	N8PYN	Swap Chairman	Russ Price	N8HAR
Door Prizes—Tickets	TBD		<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 (n8lc.org)	Doug Chauvin	N8PYN
Health & Welfare			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. *The Tuned Circuit* has been formatted to be read easily with any reader programs for our visually impaired readers; however, an audio or a larger print version of its contents will be made available, upon request to the editor. We welcome any comments, concerns, corrections, congratulations, or complaints. Please submit such communications to the [Editor](#):

John H. Huber N8FYL

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

Phone: (248) 740-2693

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

VE Testing Locations

LCARC has scheduled VE sessions at the Tucker Senior Center for June 21, and September 13. Doors open at 6 PM, and testing begins at 6:30 PM. Contact Gregg Crump 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 13 sessions spanning the time until a year from now. I have included the blurb about then two in December to the right in the space normally filled with Upcoming Swap information.

Online Practice Exams:

- <https://www.eham.net/exams>
- <https://www.qrz.com/hamtest/>
- <http://www.ah0a.org/AHOA.html>

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

5/15/2021 - [GMARC Spring Trunk Swap](#)

Location: Shelby Township, MI
Type: ARRL Hamfest
Sponsor: GM Amateur Radio Club
Website: <http://www.gmarc.org> [Learn More](#)

06/06/2021 - [Annual Chelsea Amateur Radio Club Swap Meet](#)

Location: Chelsea, MI
Type: ARRL Hamfest
Sponsor: Chelsea Amateur Radio Club
Website: <http://wd8iel.com> [Learn More](#)

06/19/2021 - [GMARC June Trunk Swap](#)

Location: Shelby Township, MI
Type: ARRL Hamfest
Sponsor: GM Amateur Radio Club
Website: <http://www.gmarc.org> [Learn More](#)

06/20/2021 - [Monroe Hamfest](#)

Location: Monroe, MI
Type: ARRL Hamfest
Sponsor: Monroe County Radio Comm Assoc
Website: <http://www.mcrcra.org> [Learn More](#)

07/17/2021 - [GMARC July Trunk Swap](#)

08/21/2021 - [GMARC August Trunk Swap](#)

Upcoming VE Exam Sessions

05/09/2021
[Shelby Township MI 48317-1307](#)

Sponsor: U.S.E.C.A ARC
Date: Apr 11 2021 and 05/09/2021
Time: 12:00 PM (Walk-ins allowed)
Contact: James J. Marek
Email: wi8w.ve@gmail.com
VEC: [W5YI VEC](#)
Location: Packard Proving Grounds
 49965 Van Dyke Ave
 Shelby Township MI 48317-1307

It appears that the U.S.E.C.A. sessions are EVERY second Sunday of the month. Currently showing through 05/09/2021 on the ARRL list.

There are some others, but they are farther away (Livonia and Wyandotte) so check online to get details about them.

L'Anse Creuse Amateur Radio Club Nets

Day	Local Time	Band	Mode	Frequency	Net Control	Calendar
Monday	2000	15 M	CW	21.165 MHz	Clem, W8VO	Every Monday
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	2 M Internet	Packet telnet	144.93 MHz 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	2nd Tuesday of the month A LCARC sanctioned net run by the Sterling Heights CERT
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

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

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

\$10.00 Club Badge created with my Name and Call sign

Please update my membership information because it has changed.

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

Name: _____ City: _____ State: _____

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

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

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

L'Anse Creuse Amateur Radio Club
Gregg Crump, N8GEO
29729 South River Rd
Harrison Twp MI 48045-3030

Only membership applications to go this address.. Make sure you use the full 9 digit zip code when mailing in your application.

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

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

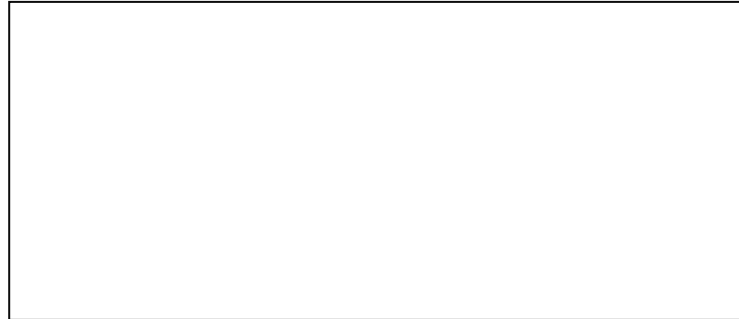
Class License (Circle One)

Novice Technician Tech+
General Advanced Extra

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

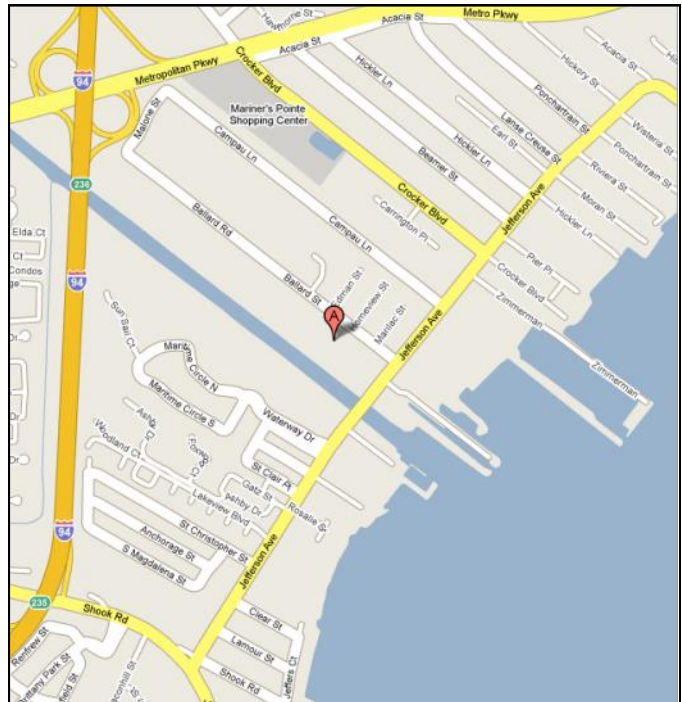
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<http://www.n8lc.org>

E-mail: info@n8lc.org



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