

THE TUNED CIRCUIT

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

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**May TC
Deadline:
Monday
April 26th**

Next Meeting - **7:00 PM April 7th 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 April 7th 2021 general membership meeting will again be **IN PERSON** at the Tucker Senior Center. We will make our second effort to provide [Zoom video conferencing](#), access to the meeting. Our first Zoom attempt at the March meeting was successful, even if not perfect, and we have learned what to do, and more important what not to do so we anticipate the April Zoom experience will be a bit smoother.

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 April Meeting

Time: Apr 7, 2021 07:00 PM Eastern Time (US and Canada)

Join Zoom Meeting (by clicking this link)

<https://us04web.zoom.us/j/78624473621?pwd=aFdiSWVrQmMvbFNOb2FKVm5ZMct6QT09>

Meeting ID: 786 2447 3621

Passcode: 9iu2ci

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

Report of the Secretary

by Marty / K8HVI

Meeting Call to Order:

The President Elect, Dale/K8RO, called the March 3rd, 2021 LCARC general membership meeting to order at 7:00 PM at the Tucker Senior Center (where we also had a Zoom meeting session setup for those that couldn't come in person). We had multiple laptops in the room to interface with the Zoom meeting.

Roll Call was taken and we had 21 members present.

K8RO, N8AT, N8FYL, W8CQD, N5WCS, KA8VSI, K8HVI, N8PYN, N6WY, K8AJJ, W8KD, N8HAR, W8VO, N8NLK, KD8RJN, KE8BFW, N8GEO, KD8LLT, N8KC, AC8JH, N8REZ

We had one visitor, Jamie N8XWT.

FCC license upgrades: K8AJJ upgraded to Extra.

Russ/N8HAR made a motion to approve the prior month's (February 2021) meeting minutes. It was seconded by Ken/KD8RJN. Motion passed.

Treasurer's Report: by Gregg/N8GEO:

Total amount in the account is	\$5,599.82
The Youth Fund has	\$365.00
The Repeater Fund has	\$191.54
The Repeater Project has	\$3,190.96
Total amount available (unallocated) is	\$1,853.32

(note, already paid \$250.00 for Field Day site at Addison Oaks)

Clem/W8VO made a motion to approve the treasurer's report. It was seconded by Mike/N5WCS. Motion passed.

Where's Doug: by Doug/N8PYN:

Monroe Swap is the next one on Father's Day.

Net Points: Clem/W8VO

WU8C 5150, W8VO 3800, W8ROI 1200, W8KD 350, K8AJJ 100.

QSL Report: Dale/K8RO. 111 QSLs since the last time he reported. Has a list for people to look at it.

Membership and Tuned Circuit Report: by John/N8FYL:

69 members, (includes 9 life members)

The March *Tuned Circuit* deadline is March. 29, 2021.

ARRL Liason report: Keith/W8KD

Need to work to formally getting our Special Service Club status back in good standing by sending in all the required documentation. Gregg/N8GEO will send Keith the old documentation he has for that.

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Repeater Site Update

Doug/N8PYN said he is pretty close to getting the packet station completed. Need to add some cabling to get it finished.

Marty/K8HVI stated that we insulated the cabinets. Changed the heater settings so that it turns off and on correctly. Also, we got the Wi-Fi working again since the city changed their method of delivery.

Dale/K8RO stated that Ted/K8EO sent a backup repeater that has the 2 meter side working fine. We swapped this with our current 2 meter repeater. We believe it is the power supply that might be causing the noise on the repeater that people are hearing.

Old Business:

Dave/N8NLK brought in an old plaque that shows winners of the LCARC Fox Hunt. Much reminiscing was had about the prior fox hunts.

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

New Business:

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

Gregg/N8GEO is leading the club VE testing. Talked about using ARRL for processing testing. March 15, June 21, and September 13, Doors will open at 6:00pm. Testing starts at 6:30pm. Went over club members who have ,or are in process of getting, their VE certificate. Stated he would like 8 to 10 certified VEs in the club.

John/N8FYL asked what are the club plans for the Michigan QSO Party (April 17)? Dale said the board will talk about it at the next board meeting (March 17)

Board Meeting is scheduled for March 17th. It will be on Zoom.

Close Meeting:

Keith/W8KD made a motion to close the meeting. It was seconded by Dave/N8NLK. Motion passed Dale/K8RO closed the meeting at 7:47pm.

Club Presentation: Dave/N6WY gave his talk on "Forward Error Correction and Pictures from Mars".

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

Doug/N8PYN, Marty/K8HVI, Dale/K8RO, Gregg/N8GEO, John/N8FYL, Mike/N5WCS, Keith/W8KD, Vince/WA8BIJ, Al/W8TRW, Ted/K8EO, Ken/N8KC, Russ/N8HAR, Lito/K8AJJ, Dan/KR1NGL.

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Discussions:

Marty/K8HVI repeater report. AT&T will be taking down our 2 antennas on the lower level on March 22nd. This will be done no charge. Have informed our tower company (Thompson Engineering) that we are now more interested in him starting the work sooner as we no longer have a 440 repeater on the air. They acknowledged our request and said they would get back with us. During my last site visit, Wi-Fi was working great as I was seeing 4mb/sec download speed. We cleaned up the 2m repeater cabinet and got out all the stuff in there that wasn't being used. It was believed that the repeater noise was being caused by the Motorola power supply. So, we swapped it out with Dale's switching power supply. It appears to have fixed the issue. If it looks like it works well, we will just buy a new switching power supply to replace the one in use. Doug/N8PYN completed adding the Mic mixer to the packet station. Still needed to work on some of the software file changes.

Gregg/N8GEO talked about the club VE session they just hosted. It went well. Had enough VE testers. 3 test takers showed up. 1 passed Tech and General, 1 passed Tech, and 1 didn't pass at all. Discussion to give testers a club flyer and a free 1 year membership. Stated that the club still wants more club members to become VE's so the club will always have enough examiners.

Russ/N8HAR had a question about him receiving an advance reservation with payment for our December Swap. Decided to just hold onto the check for a couple months and see if the swap site will acknowledge they will re-open. Due to this we agreed to wait on obtaining the tickets and flyers since we will have enough time to purchase them. If we printed flyers now, there is no place to put them anyway. If later on we learn that the venue stays closed, we will have to look for a new place to host the swap.

For the next club meeting, Gregg/N8GEO is working on a video presentation on old club pictures.

Dale/K8RO brought up that the club still needs a Program Manager.

Gregg/N8GEO brought up that we need to get a place to store all the clubs electronic files (pictures and club documents). Will be researching options, both free and paid. Some free options brought up are DropBox and Google Drive and others. Marty/K8HVI said he will try to take Gregg's large amount of stuff and start to create a Google Drive and see how it plays out.

Ted/K8EO asked about ARRL Field Day plans. Gregg stated that the site is all paid for and we are good to go with Addison Oaks management. We basically will run it like last year. Everyone does their own food.

Dale/K8RO stated he might want to go camping for Michigan QSO Party. We could have it at the Tucker Senior Center. We would only want to do it there if there is enough interest to cover all the effort to open it up for that. We also will have the option for members to operate from home and then combine club scores. We will bring these options up at the April Club Meeting.

Meeting adjourned at 8:35pm

APRIL 7TH MEETING IN PERSON!!!

The April meeting will be in person with ZOOM video conferencing access. See the ZOOM details in [The Vice Prez Says on page 1](#). According to the Board Meeting Minutes, Gregg/N8GEO is working on a video presentation on old club pictures for this month's program.



Meeting time is 7:00 PM



Membership Report

This past month we lost one member and gained one. As has been reported, our club founder, Art/W8PBO, became a silent key on March 20, 2021. As Art was a life member, our life member count is reduced to 8, but our overall member count remains at 69 members.

We welcome N8WXT to the club. Jamie has checked into the 2 meter net a couple of times and is our latest member to enjoy the "first year free" experience.

John / N8FYL — 03/31/2021



LCARC VE Testing Schedule for 2021

L'Anse Creuse ARC has secured the Tucker Senior Center for our 2021 VE testing.

The Tucker Senior center is located at 26980 Ballard St, Harrison Charter Township, MI 48045.

The Center will open at 6:00 PM and testing will begin at 6:30 PM on the following Monday nights.

June 21 (the Monday before ARRL Field Day) – September 13 (the Monday AFTER Labor Day).

December 5 (Sunday) we will be holding a VE session at our swap.

Spread the word and start studying for that upgrade.

73, Good Luck and hope to see you there.

Gregg / N8GEO

March LCARC Sponsored VE Testing Session Update

Gregg / N8GEO

Well, it has come and gone, the club's first, in a long time, club run "VE Testing Session". It happened on March 15 at the Tucker Senior Center.

The session went very well. After a lot of planning and folks studying for their ARRL VE certification, we were able to welcome two more hams into this hobby (a Technician and a General). We had three people come to test (none hams). The tension was thick (remember how you felt when you took your first test). We tried to make the three folks that came in as comfortable as possible, and we told them to

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breath every so often. It was not just the people taking the tests that were anxious and nervous, the team giving the test were also in the same boat. Only one of us had ever given the ARRL test (three had given the W5YI version) and none of us had ever participated in the coordinator roll. But all went well considering we started this journey 15 days prior to having this session.

Thanks to the ARRL VEC for helping us through by getting us supplies and keeping a look out for our team's tests that were forwarded for certification. The ARRL VEC was exceptional, and we received the necessary approvals 2 days prior to the VE session. There was another group that did an exceptional job. The guys in our club that took the time to renew their ARRL certification and the members that took the time to study and take the certification test. Without both the ARRL and the LCARC members standing up to get the job done this would have never happened.

So, one session under our belts. The next session is in June and then in September and then at our swap. We can use some more VE's. It is not that hard and it is an open book test. It might take 1-2 hours of your time to prepare, study and take the test. So, give it a try it is always better to have a good size pool of VE's, plus you get a chance to help this hobby grow. You also get to see the smiles on the faces of the people who have studied very hard and have come to get that elusive privilege of becoming a Ham.

If you have any questions, please give me a call 586-738-2487.

73 Gregg / N8GEO



MIQP is almost Here!

The 2021 Michigan QSO Party, sponsored by the Mad River Radio Club, is from 1600Z April 17 until 0400Z April 18, which is noon to midnight EDT.

Most of the documentation on the MiQP website has been updated to reflect 2021 dates and times. 2019 and 2020 scores are posted.

Planned activities are slowly populating the [Planned Activities](#) page. As of 3/31/21, there is one planned mobile activity covering six UP

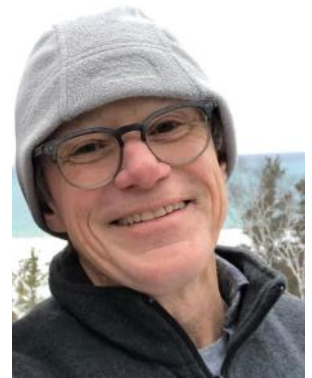
counties, and 17 other fixed station county operations.

The L'Anse Creuse club has not yet decided whether there will be a club operating activity at The Tucker Senior center for this year's MIQP. The decision will be discussed at the April 7 meeting.

Brian Cox, N8TC (Ex-WA8QAF) SK

John / N8FYL

An update to the web location of the January 2021 Cherryland ARC newsletter containing the nice article about N8TC. Go to cherrylandarc.com and look under "Click here to go to the archives", expand the "2021", and you should find the 'CARC Cherry Juice January 2021' file available there. As of 3/31/21 the direct link to that newsletter is http://cherrylandarc.com/?wpfb_dl=283. The article by Joe/N8CN, is on page 7



Club Founder Art Ellis, W8PBO — Silent Key

I received a telephone call from Millie Ellis (N8GLB) on Thursday, March 25, informing me "that Art died a week ago". On March 29th the obituary information became available at <https://guestbook.wujekcalcaterra.com/obituaries/Arthur-Ellis-5/#!/Obituary>. This information was relayed on LcRadioClub@groups.io and the [Lanse Creuse Amateur Radio Club Facebook page](#). Below is the information as of March 31, 2021.



Beloved husband of Mildred. Loving father of Russell (Christina) Ellis and Penny Ellis. Proud grandfather of Jennalise, Avery, Gavin and Neve. Mr. Ellis was a L'anse Creuse Biology Teacher for many years. He was also an avid amateur radio enthusiast and founded the L'Anse Creuse Radio Club. Share memories with the family at their "On-Line Guestbook" @ Wu-jekCalcaterra.com.

Art Ellis, age 83, March 20, 2021

Below find some of the online tributes to Art.

Art was truly a "Renaissance Man". We express our prayers of comfort and peace to his family and friends.

Grocki -- N8TTT

What a shock! I remember Art fondly. All of the nets, all of the field days, all of the enthusiasm Art had for the L'anse Creuse Amateur Radio Club.

What a loss to the world of CW ops and Ham Radio.

Dick W4RSS

I HAD THE GOOD FORTUNE OF GOING TO MY FIRST TWO FIELD DAYS WITH ART AND MILLIE. THE FIRST TIME THE ROAD WAS WASHED OUT AND WE TOOK THE SPOT ONE BELOW THE WATER TOWER. WE BUILT A FIRE AND GABBED AWAY UNTIL THE WEE HOURS. HE TAUGHT ME A LOT. ANOTHER LIBRARY BURNED TO THE GROUND. MAY YOU R.I.P. ART.

MIKE/AC8ER

Art was so helpful to me as an amateur radio operator. He was net control on the first L'Anse Creuse CW net I checked into as a novice back in 1986. I said I was nervous and confused and he responded "You did fine." He also helped keep my station on the air and was there when I passed my 20-word code test. I remember our club talks on Sunday afternoons on 40 meters. Millie, my condolences to you and your family at Art's passing. I was glad I knew Art.

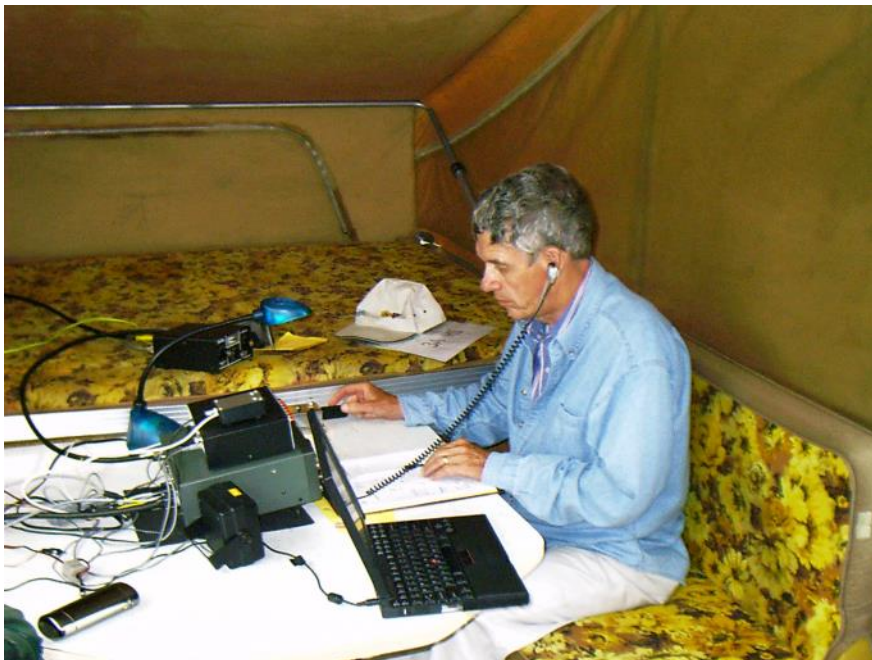
Diane Askew Scalzi / W18K - March 30 at 12:15 PM

It is with sadness that I learned of Art's transitus. My thoughts of Art are those of a passionate and enthusiastic person. His diligence and passion created the L'Anse Creuse Amateur Radio Club. In that organization, his quiet presence and influence remain as part of his legacy. His is now an ever present part of us all. My condolences to his family.

"May the road rise up to meet you. May the wind be always at your back. May the sun shine warm upon your face; the rains fall soft upon your fields and until we meet again, may God hold you in the palm of His hand."

To Art, ... _._ (SK).

Henry Catherino, N8AT



Art, W8PBO, doing what he loved (40 meter CW) at the L'Anse Creuse ARC Field Day in 2003.

Photo from John / N8FYL



One of my ham radio mentors when I was a teenager. Art passed away last week at the age of 83. He administered my FCC novice test back in 1974. An awesome teacher and ham radio ambassador.

He could send and copy Morse code in excess of 60 words per minute, if I recall.

RIP Art ... -.-

Russ / N8HAR 3/29/2021

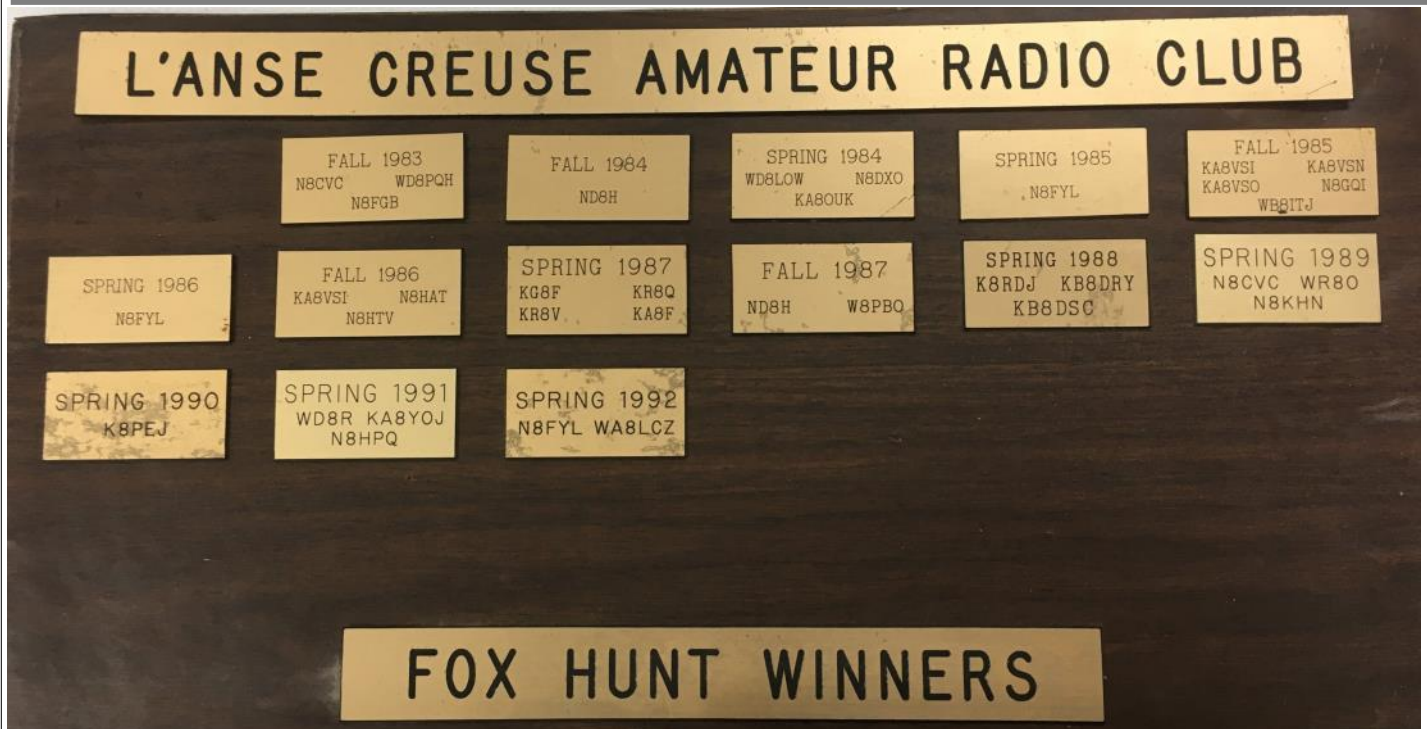
FCC Not Yet Collecting \$35 Application Fee

From arrrl.org 03/22/2021

The majority of the FCC's revised Part 97 rules (adopted in December 2020) establishing new license application fees become effective April 19, but the new amateur radio license application fees will **NOT** become effective on April 19, 2021. The FCC announced on March 19, 2021 that the amateur radio license fees, including those associated with Form 605 filings, would not become effective until the "requisite notice has been provided to Congress, the FCC's information technology systems and internal procedures have been updated, and the Commission publishes notice(s) in the *Federal Register* announcing the effective date of such rules."

The \$35 license application fee, when it becomes effective, would apply to new, modification (upgrade and sequential call sign change), renewal, and vanity call sign applications, as well as applications for a special temporary authority (STA) or a rule waiver. All fees will be per application. Administrative updates, such as a change of mailing or email address, are exempt.

It is expected that such fees will not become effective before summer 2021. The FCC has stated that amateurs will have advance warning of the actual effective date, because it will publish such date in the Federal Register.



By John / N8FYL

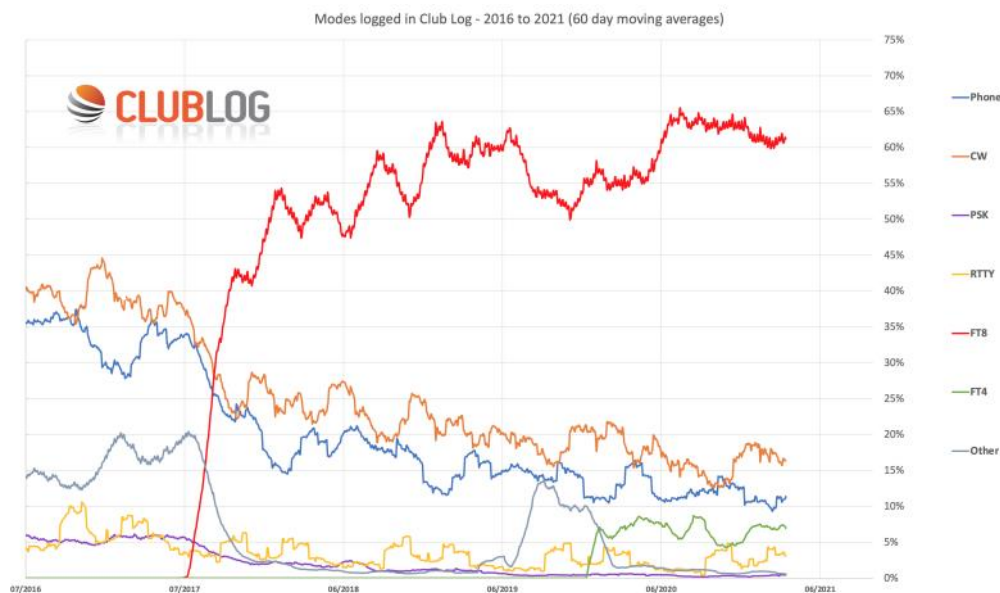
At the March 2021 meeting, Dave / N8NLK, brought in this plaque. This historical item documents club Fox Hunt winners from a bygone time. Back then, the winners information was affixed to the plaque, and the winner had the privilege of displaying the plaque in their shack until the next Fox Hunt. I know this since my call appears on this piece of club memorabilia three times.

If the COVID-19 pandemic restrictions improve (or at least don't get any more restrictive) then we can hopefully re-instate our annual June Fox Hunt. Stand by (QRX) for news at, or after, the May meeting.

FT8 Accounts for Nearly Two-Thirds of HF Activity

From [The ARRL Letter, 04/01/2021](#)

Since zooming to prominence after its debut in mid-2017, the popular FT8 digital protocol has become the mode of choice for some 60% of HF operators, according to Club Log's latest [activity report](#) compiled by Michael Wells, G7VJR. FT8 is one of the protocols in the [WSJT-X](#) suite of free programs. Wells says FT8 activity level sits at nearly 85% on 6 meters. The dramatic FT8 upswing has come at the expense of phone, CW, RTTY, PSK, and other modes. Over the same period, the number of FT8 contacts logged each year per active call sign has continued to climb to about 60% between 2015 and 2021, with the most dramatic increase being nearly 29% in the past year. The use of all other modes has continued to flutter downward since the advent of FT8, which occupies vastly less spectrum than the more traditional ham radio operating modes. (Click the image to view a larger image.)



Between 2015 and 2020, the number of contacts logged per day by Club Log users has trended steadily upward, regardless of mode. The report draws on data of more than 84,000 logs uploaded to the Club Log site – some 730 million contacts in all.

Wells reported that in 2025, the "typical call sign" logged 620 CW contacts, 558 SSB contacts, and 372 data (digital) contacts. Five years later, the statistics were 500, 300, and 1,700, respectively.

ARRL's Logbook of The World (LoTW) does not typically report this level of detail as far as mode usage is concerned, but the statistics available certainly confirm FT8's increasing popularity. The rocketing usage of FT8 over the past few years may be demonstrated most dramatically by a comparison in contacts-by-mode statistics between March 2017 and March 2018, when FT8 contact numbers in the hundreds shot to some 2.6 million contacts by the following year – an increase of nearly 1 million percent.

From mid-2019 to mid-2020, FT8 usage appears to have slumped slightly to 50% before climbing back to 60%. FT8 usage peaked at just over 65% in late 2020 and has held steady at 60 - 65% since.

The same period saw SSB usage dip by 15%, CW activity by 10%, and RTTY by 29%. Introduced later, FT4, the contest mode of FT8, also showed an initial fast upward trajectory, before steadying at 5 - 8%.

Named after its developers, Steven Franke, K9AN, and Joe Taylor, K1JT, FT8 indicates the mode's eight-frequency shift-keying format. Tones are spaced at 6.25 Hz, and an FT8 signal occupies just 50 Hz.

For Sale — Good Stuff!

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

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

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

Yaesu FT-857 HF/VHF/UHF mobile transceiver	\$895.00
ATAS-100 auto-tune antenna/with HD mobile mount	\$395.00
Bencher key	\$50.00
DPS noise filter	\$30.00
2M/440 mobile antenna with door mount	\$40.00
2M J-Pole antenna	\$25.00
2M J-Pole antenna with PVC mast & 50- foot RG8 coax	\$35.00

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 will be available soon. 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

- April 7, 2021 Regular meeting night at the Tucker Senior Center.
Meeting also available via ZOOM video conferencing!
Gregg/N8GEO is working on a video presentation on old club pictures for this months program.
- April 17, 2021 [Michigan QSO Party](#)—NOT Easter weekend!
- May 5, 2021 Regular meeting night
- May 15, 2021 [GMARC Trunk Swap](#)
- June 2, 2021 Regular meeting night, and (we all hope) the annual Fox Hunt
- 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.

L'Anse Creuse ARC Board Members – 2020

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Activities Manager

This position is available!

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Analog FM

N8LC

Fusion Digital Only



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



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

Board Meeting Time and Location

Board Meetings are held 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 John	N8HAR N8NXW
ARRL VHF/UHF Awards Manager	Allan Koch	KA8JJN	Membership Chairman TC email distribution	John Huber	N8FYL
Call Sign ID Tags	Gregg Crump	N8GEO	Net Points Manager	Tom Mathison	WU8C
Christmas Party	Cathy Chauvin	KC8WVK	Net Points Upgrade Awards	Clem Duval	W8VO
Club Apparel & Patches	Scott Hernalsteen	W8CQD	TC Postal Distribution	John Huber	N8FYL
Club Call Trustee - N8LC	Marty Folz	K8HVI	Outgoing QSL Manager	Dale McGorman	K8RO
Code Proficiency Awards	Vince Cuker	WA8BIJ	QSL Cards	Dale McGorman	K8RO
Dayton Trip	Gregg Crump	N8GEO	Swap Chairman	Russ Price	N8HAR
Door Prizes—Buyer	Doug Chauvin	N8PYN	<i>Tuned Circuit</i> Editor	John Huber	N8FYL
Door Prizes—Tickets	TBD		Volunteer Exams	Gregg Crump	N8GEO
Echo Repeater Trustee	Marty Folz	K8HVI	Webpage (n8lc.org)	Doug Chauvin	N8PYN
Field Day	Gregg Crump	N8GEO	Webpage Assistant	Marty Folz	K8HVI
Health & Welfare			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. *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 15, 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.pdarri.org/k6rau/>

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

<http://morsecodemasters.com/train/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.mcrca.org>

[Learn More](#)

Upcoming VE Exam Sessions

04/11/2021 and 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+

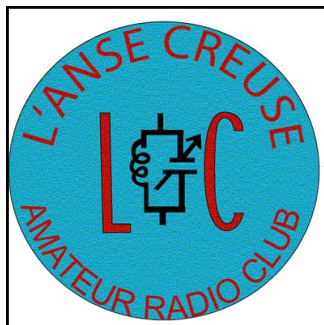
General Advanced Extra

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

The Tuned Circuit

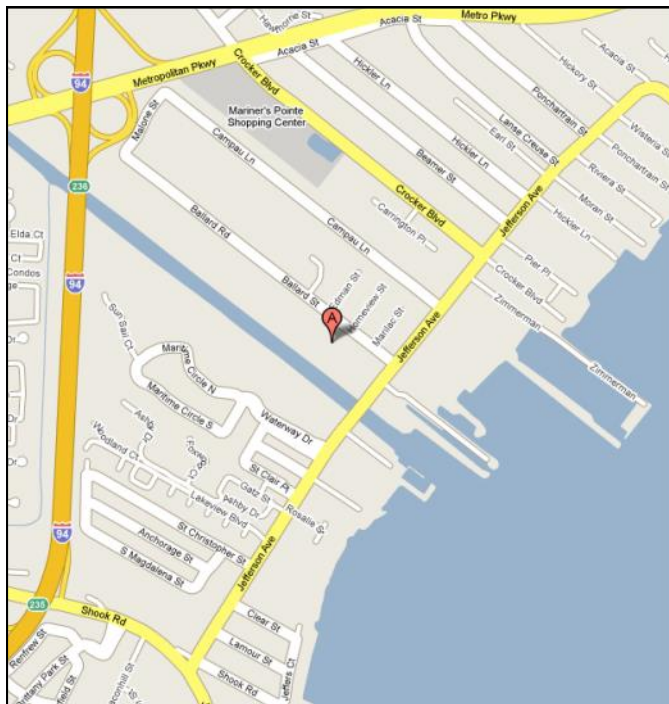
Monthly Bulletin of the
L'Anse Creuse Amateur Radio Club
29729 South River Rd
Harrison Twp, MI 48045-3030

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** 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.