

# THE TUNED CIRCUIT

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

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**September TC  
Deadline:  
August 27th**

Next Meeting - 7:00 PM June  
6th 2018 at the Tucker Senior  
Center (see [last page](#) for map and  
address).

Meeting Program - The program for  
our June meeting will be as report-  
ed on [page 1!](#)

The NEXT board meeting will be  
on Wednesday, September 12th,  
2018.

## JUNE 6TH MEETING PROGRAM

The June program is really an activity, our annual "Fox" (also know as a hidden transmitter) Hunt. Dust off you direction finding gear, test it out, hope for good weather and come join in the fun. Also we'll undoubtedly have some more discussion about Field Day plans. You do have June 23 & 24 marked on your calendar for Field Day, don't you?



**MEETING time is 7:00 PM**

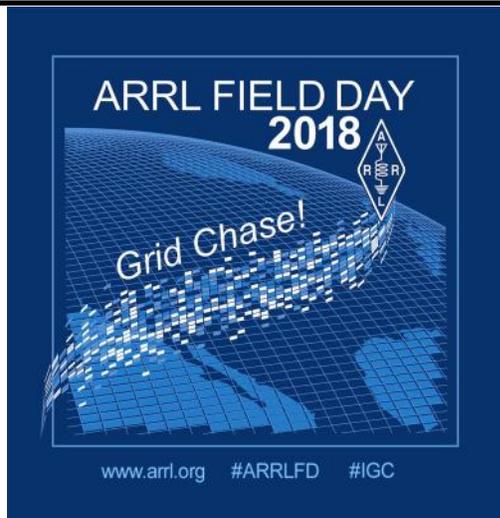


### Speaking of Field Day

As of May 14th, the website for L'Anse Creuse Field Day shirts is live! The design is similar to last year's except that there are more product options, and everything will be **\*embroidered\*!**

Here's the link: <https://www.companycasuals.com/LCARCFieldDay2018/start.jsp>

Don't Delay ... Order TODAY!  
Scott / W8CQD



### Museum Ships Weekend

Member Carl / W8WZ (from Garner, NC) reports that [Museum Ships Weekend](#) (0000Z June 2 to 2359Z June 3, 2018), is one of his favorite operating events of the year.

In 2018 there will be 106 ships participating in Museum Ships Weekend. Simply work as many as you can during the weekend and collect their beautiful QSL cards as well as a certificate if you work 15 or more of them.

Some ships are using their original equipment and antennas. Others are using modern amateur gear onboard the ship. Ships will be using CW, AM, SSB and digital. Operating on any frequency is allowed but most will try to stay in the General Class sub-bands. 73, Carl / W8WZ

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# Report of the Secretary

Submitted by Dave, N6WY

## **Meeting Called to Order:**

The LCARC President, John, N8NXW, called the May 2, 2018 General Meeting to order around 7:05 PM. Roll Call.

I counted 22 responses to roll call including 2 guests. One guest was Fred, WB8ITB, and the other guest was Mike, KE8JBR. Mike sent in a membership application. His application was accepted after roll call and he received full membership rights and privileges.

Minutes approval.

Marty, K8HVI, made the minutes approval motion and Cathy, KC8WVK, provided the second.

## **Treasurer's Report by Gregg, N8GEO:**

Total amount in the account is \$5844.75.

The Youth Fund has \$120.74.

The Repeater Fund has \$639.42.

## **Net Points:**

Cathy, KC8WVK, announced that Dave, N6WY, earned 50 points.

Clem, W8VO, was absent but he informed me that there were no other new net points this week.

## **QSL and MI QSO Party Report by Dale, K8RO:**

QSL's: 62 confirmed through eQSL's and 1 paper card confirmation. Marty, K8HVI, received 2 QSL cards. More CW QSL's than phone.

MI QSO Party: 482 contacts, 146 multipliers, 33 counties. Still in second place

4 operators participated with operations and setup. Scott, W8CQD, helped with setup.

## **Where's Doug, N8PYN, Report:**

The GMARC swap was a success. John, N8FYL, continued his winning streak by winning 2 of the prizes which are one Aztec Restaurant coupon and a 3 Day LA fitness pass.

## **Membership Report by John, N8FYL:**

LCARC has 63 Members that includes 9 life members. The next Tuned Circuit Newsletter input deadline is 28 May.

## **Old Business:**

Repeater antenna upgrade project.

Ken, KD8RJK, said the Request for Bids letters are out for the upgrade of the repeater antennas. The selected contractor will do the work during July or August. Estimated cost for contractor work is \$1000.00 to \$1500.00 and cost for new antennas is \$500.00. Dale, K8RO, made the motion to allow the board to spend up to \$2000.00 for the project. Marty, K8HVI, second the motion. The motion passed.

Donation to Tucker Center.

Cathy, KC8WVK, reminded the treasurer that May is the month for the donation to the Tucker Center.

Macomb Community College (MCC) Tech Night.

Doug, N8PYN, is planning to install his  $\mu$ BITX Transceiver in a case. He has an old CB radio case that he is planning to use. John, N8NXW, said that the next tech night will be before the Dayton Hamvention.

Another conflict with tech night is the "Night Out Diner". Dale, K8RO, said that is he in charge of the night

*(Continued on page 3)*

(Continued from page 2)

out for this month and he will select a night that will not conflict with MCC Tech Night and Hamvention. John, N8NXW, selected Tuesday, 15 May as the next MCC Tech Night. The start time is 7:00 PM at the Warren campus in the S Building in Room S136.

Night Out.

Dale, K8RO, is organizing the next night out and has selected Georgio's Apple Orchard Inn at 62840 Van Dyke Ave, Washington, MI. More details later.

Key to open Tucker Center.

Cathy, KC8WNL, will pick up the key to open the Tucker Center for the LCARC General Meeting.

Board Meeting.

John, N8NXW, announced the next board meeting is 9 May.

Radio Purchase for LCARC swap drawing.

Gregg, N8GEO, and Russ, N8HAR, are going to buy at the Dayton Hamvention the radio for club swap drawing. The radio is the same as last year and is a FT-450D.

Storage Shelves.

Gregg, N8GEO, needs storage shelves for club supplies.

**New Business:**

Meeting Time.

A motion was made during the April General Meeting to change the meeting time. That motion was tabled to this general meeting. At this meeting, the tabled motion was put to a vote. 10 voted for keeping the start time at 7:00 PM and 5 voted for changing the start time to 7:30 PM. John, N8NXW, announced the LCARC General Meeting start time will remain at 7:00 PM.

**Field Day Discussion:**

Field Day is again at Addison Oaks on 22, 23, 24 June. Park admission is free for Field Day participants. Food for Field Day is undecided. Mark, N8REZ, and wife may prepare food or everyone may bring their own food. Matt, KD8LLT, has the club canopy/tent. Dale, K8RO, Marty, K8HVI, and John, N8FYL are doing their stations. Several possibilities for generators. John, N8NXW, wants to try solar panels and weather balloon antenna.

**Door Prize Drawings:**

John	N8FYL	led work ight	John	N8FYL	screw driver set
Debbie	KC8WHN	case	Dale	K8RO	cable ties
Gregg	N8GEO	phone holder	Keith	W8KD	batteries
Larry	KE8LEB	ammo box			

**50/50 Drawing:** Fritz / KE8BFW received \$10.00.

**Meeting adjourned for Presentation:**

The presentation was a video recording of a talk by Joe Taylor, K1JT. The video was made at the MicroHAMS Digital Conference 2018 and it explained the WSJT-X computer program and the supported digital modes.

# Board meeting Minutes

Submitted by Dave, N6WY

## Meeting Called to Order:

The LCARC Board Meeting for May 9, 2018 was called to order around 7:30 PM by the club's president John, N8NXW. Present at the Board Meeting were:

President, John, N8NXW	Technical Officer, Doug, N8PYN	Cathy, KC8WNL
VP and President-Elect, Ken, KD8RJN	Past President, Debbie, KC8WHN	Jenny Vandecar
Treasurer, Gregg, N8GEO	Secretary, Dave, N6WY	Christmas Party Chair, Keith, W8KD

## Youth Forum:

The Youth Forum Chairman, Ralph, W8ROI, needs \$400.00 for the Youth Forum door prizes at Dayton Hamvention. The treasury has about \$120 in the Youth Forum Fund. The maximum that the board can spend without a vote from the membership is \$250. The board members voted to approve the transfer of \$250 from the treasury general fund to the Youth Forum Fund. Ralph will need to add about \$30 at the Hamvention in order to have \$400 for the Youth Forum door prizes. At the June General Meeting, the board will ask the membership to vote on paying Ralph, about \$30 from the treasury general fund.

## Tucker Center Donation:

Treasurer, Gregg, N8GEO, gave the yearly donation check in the amount of \$100 to the Tucker Center. The \$100 donation was from the treasury general fund.

## Field Day:

Gregg, N8GEO, is working to secure the Field Day site at Addison Oaks. The county has us penciled in but the club has no signed contract. All paper work for the securing the Field Day site should be completed soon.

## Repeater Report by Technical Officer, Doug, N8PYN:

The 440 repeater transmitter now has an amplifier. Based on the current draw by the amplifier, the 440 repeater transmit output power should be about 50 Watts. All the equipment required to connect to the city's internet is installed and working. The final connection to the city's internet has not been made by the city's information technology team. The repeater shack temporary connection to the internet is still working.

Marty, K8HVI, is working on ECHO Link. The ECHO Link equipment will be installed in the repeater shack.

## Repeater Tower Maintenance and New Antenna Installation Report by Ken, KD8RJN:

Not good news. Bids for work are outside of our budget.

Company One bid a flat day rate of \$3,000. Company One needs one to two days to complete work. Company Two gave a total bid of \$4,000. Company Two listed 5 labor items that made up their total bid. Each item was \$800.

Company Three did not want to do the project.

## Christmas Party Planning Report by Christmas Party Chairman, Keith, W8KD:

The club needs to make a deposit to reserve a party room and a date. The location of the Christmas party will be the same as last year. The food choice is the same 3 dishes as last year but this year the restaurant will include a fourth choice. The board voted to make a deposit for the Christmas Party and Keith will receive a check from the Treasurer at the June General Meeting.

## General Meeting in June:

The program for the general meeting in June is the Fox Hunt. Doug, N8PYN, will bring the fox radio. Gregg has made arrangements at Bentley's for the after Fox Hunt party. Cathy, KC8WNL, will confirm the Bentley's reservation.

## Miscellaneous:

Doug, N8PYN, said that our club night out conflicts with the GMARC General Meeting. He suggested a different night for the monthly night out.

New e-mail for Debbie is [kc8whn1@comcast.net](mailto:kc8whn1@comcast.net)

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## Toroid (NOT Tornado) Alert!

Submitted by Chris / K8NVH

For some antenna and balun projects, I bought a lot of extra ferrite toroids. If anyone needs any, just let me know. These were mostly bought in bulk through a distributor thinking others could probably use them also.

Fair-Rite material numbers 31, 43, 46, 52, 53, and 61. Lots of different sizes, including some split core. Mostly sized for loops of LMR-240 cable (some larger, some smaller). Materials 46 and 52 are only in small toroids, sized for the 4:1 balun described in Sevick's "Transmission Line Transformers" book.

Chris Morgan, K8NVH      [NVHEngr@gmail.com](mailto:NVHEngr@gmail.com)

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## What a Revolting No-Voltage Development “Up North”

Submitted by Ted / NW8W

As I do each year, I spend summer time “UpNorth” on Grand Lake in Presque Isle County. I bring my Icom 7000 and usually it lights up and works just great; but not this time.

The issue was that the rig would fire up and apparently be OK, but if asked to transmit, it would shut down and restart itself. After checking all of the usual suspect areas, the root cause turned out to be in the 12 volt supply line from the Icom power supply. That line contains a pair of automotive blade type 30 amp fuses. I can't recall when I bought this rig, but 20 years ago seems about right. The fuses had never been removed from the holders, but when taken out, the fuse blades did not look like I thought they should—some sort of corrosion? Maybe so, because after the blades were scraped with a knife blade and everything was put back together, the problem had gone away. The corroded fuse blade surfaces would not pass enough current to allow the rig to transmit.

CHECK YOUR FUSES!

Ted NW8W

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## “FB Service Page” proposed for N8LC.ORG

Submitted by Ken / KD8RJN

At a recent club meeting we discussed an update to our newsletter, web site, or Facebook. We are thinking about a “Received good service from a vendor or company” list. On one of the Thursday night nets someone talked about a PC repair person that was very good. As normal, I would not be able to remember or find that information when needed. That is why we want to have a list for members to reference.

If you have a candidate for our potential list, please write up a little note on the provided services, contact information, or a link to a web site, and that you received good service. It would be a great start to the “FB Service Page”.

An example of such a web page is <http://funtimecruzers.com/page19.html>. If you scroll down you will see that business card images have also been added.

If you send your write-up to me ( [kenjanicki@comcast.net](mailto:kenjanicki@comcast.net) ) and our newsletter editor John ( [n8fyl@arri.net](mailto:n8fyl@arri.net) ) I would appreciate it. Thanks in advance. Ken / KD8RJN

[For those not steeped in CW abbreviations or Amateur Lingo, see [this link](#) to learn about “FB”. Editor]

## Is the internet, millennials or FT-8 killing ham radio?

By Dan Romanchik, KB6NU [cwgeek@kb6nu.com](mailto:cwgeek@kb6nu.com)

Amateur radio bloggers love to write about the demise of amateur radio. To wit, we have:

- KONR's Is the Internet destroying amateur radio? (<http://www.k0nr.com/wordpress/2017/11/internet-destroying-amateur-radio/>)
- NOSSC's Millennials are killing ham radio (<http://n0ssc.com/posts/583-millennials-are-killing-ham-radio>)
- PE4BAS' Is FT-8 damaging amateur radio? (<https://pe4bas.blogspot.com/2018/04/is-ft8-damaging-hamradio.html>)
- NZOT's Did Joe Taylor K1JT Destroy Amateur Radio? (<http://www.ei5di.com/jt.html>)

Of course, none of these posts are really saying that the internet, millennials, or FT-8 has killed amateur radio. What they are saying is that all of these are changing amateur radio as we know it. Well, duh, the way we live our lives changes every day. Why should amateur radio be any different?

For example, Bob, KONR, discusses how the operation of remote stations is changing the game of DX. Can you really claim that you worked a DX station if you rented time on a super station? I've written about that topic, too (<https://www.kb6nu.com/dx-advisory-committee-wants-to-put-the-screws-to-remote-operation/>).

There has also been much written about how FT8 is changing the amateur radio game. One blog post (<https://ve7sl.blogspot.com/2017/10/160m-ft8-end-of-era.html>), talking about the effect of FT8 on 160m operation, even goes so far to say that this is the "end of an era." On DX World, the results of the poll, "FT8 – Damaging to Amateur Radio?" (<https://dx-world.net/yes-or-no-a-poll-on-ft8/>) show more than half of the respondents think that FT8 is damaging amateur radio.

I specifically used the word "game" in the previous two paragraphs because that's exactly what's changing. The physics of amateur radio certainly isn't changing. Our transmitters are still generating electromagnetic waves like they have been for decades, and on the HF bands, anyway, those radio waves are bouncing off the ionosphere just as they have been for more than the past 100 years.

What's changing is the human component. By that I mean what's changing is how we think people should participate in the hobby. The hams that are complaining that the internet or millennials or FT8 is killing amateur radio are really just complaining that people aren't participating in amateur radio the way they want them to participate.

Here's where we talk about millennials. In his blog post, Sterling, NOSSC, suggests that setting up remote stations is one way to engage young people. He writes, "I believe that remote operating, and other internet-assisted means of ham radio operation, are critical to youth engagement."

He's also big on an idea he calls "ham radio hackathons." He writes,

"A hackathon isn't a coding competition. It's explained well in this Medium article (<https://medium.com/hackathons-anonymous/wtf-is-a-hackathon-92668579601>). It goes even further than that, not limited to coders and engineers, but open to thinkers, doers, philosophers, system engineers, math people, teachers, students, artists, stakeholders...anyone with an interest in solving a problem with technology."

I support both of these ideas, but I think that millennials (and, to be fair, it isn't just millennials we're talking about here, but any newcomers to the hobby) need to step up and get these things going. I don't think it's my job to try to get kids interested in amateur radio. I don't even know if that's really possible. What I can do, however, is be there to encourage and support kids (and anyone else that expresses a

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sincere interest in amateur radio).

For example, I'm not sure how fruitful it would be to set up my station to be remotely operable and then saying to some kids, "Hey, come and operate my station." What I think would be more fruitful is to say to a kid, "Hey, come help me set up my remote control station, so that we both can use it." Then, it turns into a learning situation, and we both gain from the exercise.

The same kind of thing has to happen with ham radio hackathons. The motivation has to come from the ground up, not the top down. I do hope that this idea gets off the ground, though, and I'm standing by, ready to support this effort however I can.

I think that millennials (I'm really getting tired of that term, by the way) need to grab the bull by the horns and take amateur radio in the direction they want it to go. Feel free to kill amateur radio as we know it. Make it better!

When he's not trying to figure out how to save amateur radio, Dan builds stuff, blogs about amateur radio at [KB6NU.Com](http://KB6NU.Com), teaches amateur radio classes, and operates CW on the HF bands. Look for him on 30m, 40m, and 80m. You can email him about what you think is killing amateur radio at [cwgeek@kb6nu.com](mailto:cwgeek@kb6nu.com)

## Membership Report

The paperwork made it to me and now KE8JBR, Mike, is a member! Thus we are now 64 members strong: 55 regular members (4 of whom are enjoying their "first year free" experience), and 9 life members.

I counted 20 members and one visitor at the May meeting.

John / N8FYL – 5/29/18



A promotional graphic for the 2nd Annual Great Lakes Hamcon Michigan International Speedway. The text "2nd Annual" is at the top in red, flanked by blue horizontal lines. Below it, "GREAT LAKES HAMCON" is written in large, red, arched letters. Underneath that, "MICHIGAN" is written in large, blue, stylized letters with a swoosh, and "INTERNATIONAL SPEEDWAY" is written in smaller green letters below it. At the bottom, "October 6 - 7, 2018" is written in large red letters, and the slogan "It's gonna be great!" is written in blue cursive below it. There are also small icons of a diamond-shaped antenna symbol and a radio tower.

## Phone Contesting Tips For DX Contests

Andy Faber, AE6Y 3/29/18 [reprinted with permission]

This article is prompted by the recent WPX SSB contest, in which I worked thousands of guys from Aruba as P49Y, which engendered much reflection (and teeth-gnashing, to be sure) about how U.S. hams can be best understood from the DX end. I'm not addressing this to relatively clear-channel domestic contests but to the situation where you are trying to get through to a DX station that may be hearing a pileup, plus noise, ear-splitting splatter from adjacent stations and all of the other sonic annoyances that make many contesters prefer CW. If there is no pileup and you know the DX station can hear you completely clearly, then you'll get through regardless, but if not, here are some suggestions:

**First**, be sure you are calling on his exact frequency. In CW contests, it can be helpful to separate yourself from the pack by calling off frequency, but that's not true in SSB. Off-frequency stations sound distorted and are hard to understand. The DX station may well come back to a weaker, but more intelligible station that is on frequency, even if you are louder. In order to work you, he has to figure out which way to adjust the RIT, and then go ahead and do it. A tired operator on the other end may just not bother, until he has worked everyone else.

**Second**, make sure your audio is clean. It is so much easier to understand clear audio, even if it is weaker than a louder, distorted signal. KH7XS mentioned in his 3830 posting that this year there particularly seemed to be over-processed signals coming from South America, and I noticed the same thing. It used to be that the Italians who were the worst offenders, but they seem to be better now. This weekend, the Cubans were particularly hard to understand. The prize for the easiest audio to understand goes each contest to the hams from the British Isles. The G's, M's and their derivatives invariably have very clean (and usually nicely treble) audio that can be understood even when the signal doesn't budge the S-meter. On several occasions I chose a weak but clear Brit over a loud, but distorted, competitor.

Ok, so you have a clean signal and are calling on frequency, now how do you get the information

through, both your callsign and your contact number (for WPX)?

Here are some tips:

If you are loud enough and have an easily recognizable call, you can skip phonetics. So this weekend, when K1AR called, he was easy to pick out, same for K3UA, K3ZO, N6AA, and a few others. But for most guys, and when in doubt, use phonetics. Endless bandwidth has been expended on the subject of phonetics, and people have differing opinions on the topic, but here are my thoughts from being on the DX end:

The first thing to understand is that the standard, "recommended" international alphabet works dismally in marginal conditions. The words are too short, and some don't have unique sounds. Generally speaking, the one-syllable words just get lost, while the two syllable words are better, and the longer ones are even better.

Thus, one-syllable words like "Fox", "Golf" and "Mike" are horrible. Some of the two-syllable ones are OK (e.g., "Hotel" and "Quebec"), but others, such as "Alpha" and "Delta", or "X-ray" and "Echo", "Kilo" and "Tango" sound very similar, so are easily confused. I worked a guy with the suffix XXE, and had to get a number of repeats until he finally said "X-Ray X-ray Ecuador," which did the trick.

There are two basic cures for these problems. The first is only to use these crummy phonetics the first time as a trial. If the DX station asks for a repeat, say your call twice, once with the standard phonetics and once with different ones. Don't just keep repeating your call the same way. Something in either the way you say it or the way the DX hears it is creating ambiguity. If you keep repeating the call the same way it may well be that part of it is just hard to decipher, and it may not get any easier.

If the DX station is a good English speaker then custom phonetics may work, such as "King George Six..." In fact when I thought a KK4 station was a K4, he used a very effective phonetic, "King Kong Four..." WA2JQK uses "Jack Queen King" in domes-

tic contests, but that won't work well for non-native speakers. The Wyoming station N7MZW uses "Many Zebras Walking" sometimes domestically, but I noticed he was using normal phonetics in WPX.

The second approach is to switch to the geographical phonetic alphabet. This features longer and more distinctive-sounding words, which are much easier to understand. For example if your suffix is, say, HLF, then you can say "Hotel Lima Fox," then try "Honolulu London Florida." When I give my call with last letter "Yankee" and get asked for a repeat it works much better to say "Last letter Yankee, last letter Yokohama." Many of the geographic phonetics work particularly well for speakers of Romance languages like Spanish and Italian (e.g., terms like "Guatemala", "Nicaragua", and "Santiago"). There are a few letters for which there are not good geographic equivalents. Obviously, "X-ray" is one of them. For "Echo", "England" is sometimes used, but "Ecuador" is better. Although "London" and "Lima" are both geographic terms, "London" is much better. And "Denmark Mexico" is many times superior to "Delta Mike."

Numbers in the callsign can also cause trouble. What if the station comes back to "K3" instead of "K6"? In general, just try to repeat the number, but if he still doesn't get it, you can try counting, e.g. "Kilo Six, 1, 2, 3, 4, 5, 6." Or for us West Coasters, "Kilo Six in California, West Coast" can be useful.

Which brings me to the subject of numbers in exchanges like WPX. I commented in a 3830 post a few years ago that the English numbers that everyone uses are just too ambiguous, most of them being plain too short. I recommended using some Spanish numbers, like "cuatro" and "ocho", but that suggestion went nowhere, so I hereby drop it, unless you are trying to get through to a native Spanish or Italian speaker. In fact, in WPX, I just couldn't understand a number from a CO8 station with terrible audio. I kept asking, "your number 424?", "your number 242?", "your number 224",

etc. Normally, one doesn't confuse "two" and "four," but this guy's audio was driving me crazy and I wasn't sure how well he was understanding me either. Finally I had the presence of mind to ask in Spanish, and when he said "dos cuatro cuatro," he was in the log. If he had said that in the beginning I would have understood him in spite of his maladjusted audio.

One source of confusion for the DX station is not knowing how many digits there are, particularly later in the contest when a number can have 1, 2, 3, or 4 digits. There are a couple of ways to help. For example: suppose the DX station thinks he hears "[garble] six six" and he asks: "your number six six?" If your number is just 6, you can say to be helpful "Negative. My number zero zero six, number six." Adding the word "number" in front of the digit indicates there are no missing digits. If your number is 66, just say "Roger, roger." If it's 56, say "Negative, number five six, fifty-six." If it's 256, say, "Negative. Number two five six, two fifty-six (or even "two hundred and fifty-six"). I know we were taught that it is incorrect to say "two hundred and fifty-six," and we should just say "two hundred fifty-six," but using the "and" makes it more intelligible.

In general, it's usually best to say your number twice, in two different ways. For example it's often hard to discern, "two three" from "three three". So you can say: "five nine, two three, twenty-three," since "twenty" and "thirty" sound very different. Similarly if your number is 15 and you say "one five", that might be confused with "one nine", so say "one five, fifteen." If it's late in the contest and you might be expected to have a three-digit number you can say "zero two three, only twenty-three". And if you have a one digit number late in the contest, it's best to add zeros, saying, e.g., "zero zero nine, number nine", not just "nine."

I hope these tips from the DX end are helpful. They should be even more useful in the next few years, as declining sunspots forcing us increasingly into the QRM alleys of 20 and 40 meters.

**CHELSEA  
SWAP & SHOP**



Sunday, June 3, 2018

[40th ANNUAL Ham Radio Swap 'n' Shop](#) CHELSEA FAIRGROUNDS  
20501 W Old US Hwy 12, Chelsea, MI 48118  
Gates open at 6AM for sellers; 8AM for Public



# MONROE HAMFEST

*and Computer Show*

## Father's Day - June 17, 2018

7:30am to 1:00pm - Set-up 6:30am Presented by:  
The Monroe County Radio Communications Association

### Monroe County Fairgrounds

M-50 at Raisinville Rd. (2 Miles west of Monroe)

FREE PARKING

Indoor Facilities / Trunk Sales

Computers and Equipment

Distributors / Hot Food

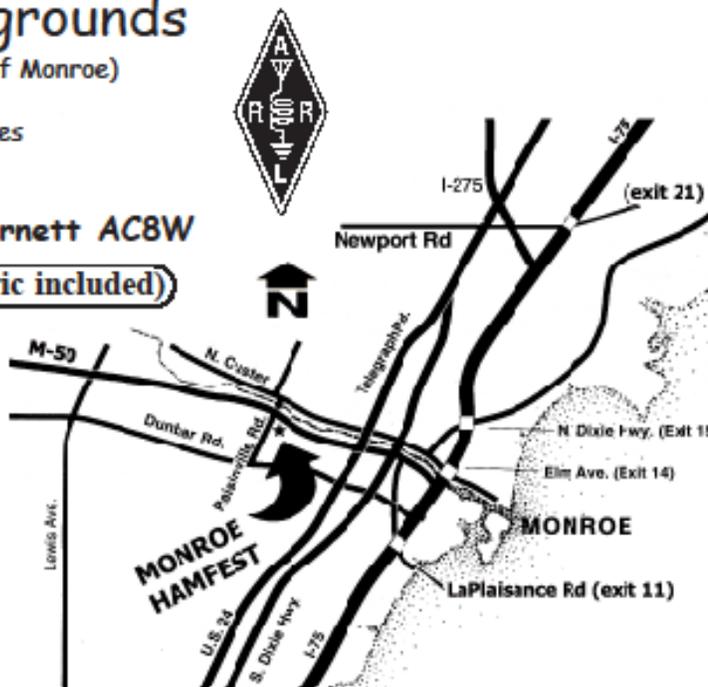
QSL Card checking by Stan Arnett AC8W

Over Night Camping \$30 (electric included)

Tables indoor 8': \$15 each, does not include admission ticket. Electric available in all buildings, bring cords.

Trunk 10' Spaces: \$10 each, does not include admission ticket.

Tickets Advance \$6 each.



Ticket, Trunk Sales, & Table Reservations online at: <http://www.mcrca.org>

Mail to: Fred VanDaele KA8EBI, 4 Carl Drive, Monroe, MI 48162, [ka8ebi@yahoo.com](mailto:ka8ebi@yahoo.com)

Name \_\_\_\_\_ Call \_\_\_\_\_ e-mail \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Tickets \_\_\_\_\_ Trunk Spaces \_\_\_\_\_ Tables \_\_\_\_\_ Amount Enclosed \_\_\_\_\_

Advance Tickets \$6 ea. / 10 ft Trunk Spaces \$10 ea. / 8 ft Tables \$15 ea.

## 2017 Mind Over Matter Bike Event

Please mark your calendar for the [Mind Over Matter Bicycle event](#). The date is Saturday, August 4, 2018 from approximately 7 AM until noon. The location will be Lake St. Clair Metro Park (formerly known as Metro Beach), [Seawall Shelter](#) (New location for 2018). Radio operators are needed to help ensure a safe and enjoyable experience for all participants. The event features three routes:

- 1) The 2.5 to 5.0 mile route stays on the bike path in Lake St. Clair Metropark.
- 2) The 25 mile route ventures on the bike path out of Lake St. Clair Metropark to the Freedom Hill Loop in Sterling Heights and back.
- 3) The 40 mile route is for the more AVID cyclist, riding along Lake St. Clair Metropark to Windmill Pointe Park (Grosse Pointe) and back.

The event is capped off with lunch and an awards ceremony. I am looking for radio operators for the following positions:

- Net Control
- SAG Vehicle
- Bicycle mobile
- Fixed position at either a water stop or at a major intersection.

Please let me know if you can help.

Bob George, KB8QYJ

[KB8QYJ@ARRL.net](mailto:KB8QYJ@ARRL.net)



## Future Programs & Activities

Scott Hernalsteen, W8CQD — Activities Manager

- June 6, 2018 Regular meeting & Fox Hunt!
- June 23/24, 2018 [ARRL Field Day](#) [Note: FD is the 4th FULL weekend in June NOT June 30th!]
- July 6 & 7, 2018 ARRL Michigan Section Summer Outing [projected date—Editor]
- August 4, 2018 14th Annual [Mind Over Matter ALZ Cycling Event](#)
- September 5, 2018 Regular meeting—start of the 2018-2019 club year
- October 3, 2018 Regular meeting
- October 6&7, 2018 [Great Lakes HamCon](#) at Michigan International Speedway

## L'Anse Creuse ARC Board Members – 2018

**President**

John Slobodnik, N8NXW  
 79165 Omo Rd / PO Box 383  
 Armada, MI 48005  
 (586) 337-0045  
[jrslobodnik@hotmail.com](mailto:jrslobodnik@hotmail.com)

**Treasurer**

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 29729 South River Rd  
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 (586) 477-0364  
[n8geo@arri.net](mailto:n8geo@arri.net)

**Past President**

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 39816 Elmite  
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[kc8whn1@comcast.net](mailto:kc8whn1@comcast.net)

**VP and President-Elect**

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**ARRL Liaison**

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 (586) 477-0364  
[n8geo@arri.net](mailto:n8geo@arri.net)

**Technical Officer**

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 St Clair Shores, MI 48082  
 (586) 775-1891  
[n8pyn@yahoo.com](mailto:n8pyn@yahoo.com)

**Secretary**

Dave Garner, N6WY  
 56312 Summit Dr  
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 (586) 677-3858  
[n6wy@arri.net](mailto:n6wy@arri.net)

**Activities Manager**

Scott Hernalsteen, W8CQD  
 40202 Vincenzia Dr  
 Clinton Twp, MI 48038-4084  
 586-201-5713  
[w8cqd@arri.net](mailto:w8cqd@arri.net)



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



LC Echo 440 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 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

### Club Committee Chairmen

ARRL HF Awards Manager	Tom Mathison	WU8C	Licensing Classes	TBD	
ARRL HF Awards Assistant	Vince Cuker	WA8BIJ	Little Bay Awards	Vince Cuker	WA8BIJ
ARRL VHF/UHF Awards Manager	Allan Koch	KA8JJN	Meeting Refreshments	Debbie John	KC8WHN N8NXW
Call Sign ID Tags	Gregg Crump	N8GEO	Membership Chairman	John Huber	N8FYL
Christmas Party	Keith Harris	W8KD	TC email distribution		
Club Apparel & Patches	Scott Hernalsteen	W8CQD	Net Points Manager	Tom Mathison	WU8C
Club Call Trustee - K8AYZ	Ted Bak	K8EO	Net Points Upgrade Awards	Gregg Crump	N8GEO
Club Call Trustee - N8LC	Marty Folz	K8HVI	TC Postal Distribution	Vince Cuker	WA8BIJ
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	Wayne Hearn	WG8U	<i>Tuned Circuit</i> Editor	John Huber	N8FYL
Echo Repeater Trustee	Marty Folz	K8HVI	Volunteer Exams	Cliff Ibbs	AB8XQ
Field Day			Webpage ( <a href="http://n8lc.org">n8lc.org</a> )	Doug Chauvin	N8PYN
Health & Welfare			Webpage Assistant	Marty Folz	K8HVI
			Youth Forum (50/50) [Alternate]	Ralph Irish John Slobodnik	W8ROI 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 tape 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](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

**Ann Arbor** (ARROW) ): Mark Goodwin, W8FSA, [w8fsa@arrl.net](mailto:w8fsa@arrl.net), 734-930-6564.  
Second Saturday of each month.

**Hazel Park**—Jerry Begel, W9NPI, [w9npi@arrl.net](mailto:w9npi@arrl.net) 248-543-2284

First Tuesdays of Even Months

**Motor City** 313-676-6284

**USECA** <http://usecaarc.com/test/>

3rd Monday Monthly except during the months of July and August at the Mt. Clemens Elk's Lodge at 7 pm

**LCARC**

February 6, 2018 and May 21, 2018 at the Tucker Senior Center.

## Online Practice Exams and Morse Resources

Online Practice Exams

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

<http://www.qrz.com/testing.html>

<http://www.ah0a.org/AHOA.html>

Morse Code

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

<http://www.g4fon.net>

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

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

<http://morsecodemasters.com/train/er/Examples/hct.html>



## Upcoming Swaps

06/03/2018 | [Chelsea Amateur Radio Swapmeet](#)

**Location:** Chelsea, MI

**Type:** ARRL Hamfest

**Sponsor:** Chelsea Amateur Radio Club

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

[Learn More](#)

06/16/2018 | [Midland ARC Hamfest](#)

**Location:** Midland, MI

**Type:** ARRL Hamfest

**Sponsor:** Midland Amateur Radio Club (W8KEA)

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

[Learn More](#)

06/17/2018 | [Monroe Hamfest](#)

**Location:** Monroe, MI

**Type:** ARRL Hamfest

**Sponsor:** Monroe County Radio Communications Association

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

[Learn More](#)

07/21/2018 | [Gladwin Area ARC Hamfest](#)

**Location:** Gladwin, MI

**Type:** ARRL Hamfest

**Sponsor:** Gladwin Area Amateur Radio Club

[Learn More](#)

07/28/2018 | [Central Michigan ARC Hamfest](#)

**Location:** Lansing, MI

**Type:** ARRL Hamfest

**Sponsor:** Central Michigan Amateur Radio Club

**Website:** <http://www.centralmiarc.com/outdoorhamfest.php> [Learn More](#)

08/12/2018 | [Seaway Trunk Swap](#)

**Location:** Port Huron, MI

**Type:** ARRL Hamfest

**Sponsor:** Eastern Michigan Amateur Radio Club

**Website:** <http://qsl.net/ke8bit>

[Learn More](#)

09/09/2018 | [Findlay Hamfest](#)

**Location:** Findlay, OH

**Type:** ARRL Hamfest

**Sponsor:** Findlay Radio Club

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

[Learn More](#)

09/16/2018 | [Adrian Hamfest](#)

**Location:** Adrian, MI

**Type:** ARRL Hamfest

**Sponsor:** Adrian Amateur Radio Club

**Website:** <http://w8tqe.com>

[Learn More](#)

## L'Anse Creuse Amateur Radio Club Nets

Day	Time		Band	Mode	Frequency	Net Control	Calendar
	UTC	EDT					
Monday	2330	1930	15 M	CW	21.165 MHz	Vince, WA8BIJ	Every Monday
Monday	0030	2030	15 M	USB	21.395 MHz	Clem, W8VO	Every Monday
Monday	0100	2100	6 M	USB	50.160 MHz	Gregg, N8GEO	Every Monday
Tuesday	0000	2000	2 M	Packet	144.93 MHz	Vince, WA8BIJ	Every Tuesday (Connect to detqso)
Thursday	2330	1930	10 M	USB	28.435 MHz	Wayne WG8U	Every Thursday
						Clem, W8VO	1st Thursday
						Wayne, WG8U	2nd Thursday
Thursday	0030	2030	2 M	FM	147.08+ MHz	Gregg, N8GEO	3rd Thursday
						Rose, K8VFR	4th Thursday
						Vince, WA8BIJ	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)

\$5.00 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, all other mail should go to the club's main PO Box. 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

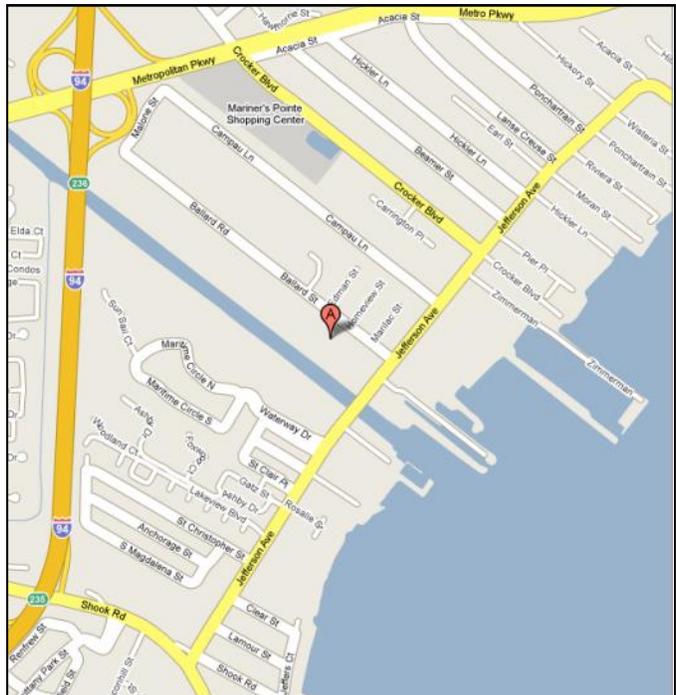
I am an ARRL Member: ( Y / N / Life )

# *The Tuned Circuit*

## Monthly Bulletin of the L'Anse Creuse Amateur Radio Club

L'Anse Creuse Amateur Radio Club  
P.O. Box 180072  
Utica, MI 48318  
LCARC Web Site  
<http://www.n8lc.org>  
E-mail: [info@n8lc.org](mailto:info@n8lc.org)

First  
Class  
Postage



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.