

# THE TUNED CIRCUIT

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

## THE PREZ SEZ

### INSIDE THIS ISSUE:

[Click the link to jump to the item]

[December Meeting Program](#)

[The Secretary's Report](#)

[Membership Report](#)

[Future Programs](#)

[Upcoming Swaps](#)

[Club Nets](#)

This is my last *Prez Sez*. I've been very busy with the holiday preparations, having my hardwood floors refinished, and new tile in a few rooms of my house this month.

We are all looking forward to the swap on Sunday December 3rd and the Christmas party on December 13th. At the December 6th meeting we will be having elections for President-elect and other officers. In January (3rd) our annual white elephant exchange program.

I'm surprised we haven't had any snow yet.

I hope we have a white Christmas this year. That would be nice.

"That's all folks!"



Debbie KC8WHN

73 Debbie/KC8WHN    [kc8whn@wowway.com](mailto:kc8whn@wowway.com)

**January TC  
Deadline:  
December 26th**

Next Meeting - 7:00 PM December 1st 2017 at the Tucker Senior Center (see [last page](#) for map and address).

Meeting Program - The program for our December meeting will be as reported on [page 2!](#).

The NEXT board meeting will be on Wednesday, January 3rd, 2018.



## LCARC Christmas Party



Submitted by Keith / W8KD

It's almost too late to get a ticket to attend this year's Christmas Party. There are only a few \$20 tickets left. The Christmas Party is December 13th at [SaJo's](#) located at 36470 on Moravian Drive just west of Garfield Rd. The menu for the dinner is your choice of Pecan Chicken, Steak Portobello, or Norwegian Salmon. There will be cake for dessert. The meal includes house salad, soft drinks, coffee or tea. Alcoholic beverages are available for purchase. Looking forward to seeing you there. See Keith Harris W8KD for tickets.



## DECEMBER 6TH MEETING PROGRAM



**MEETING time is 7:00 PM**



The December meeting is our annual nomination and election of club officers for 2018. Positions to be filled include (but may not be limited to) President-elect, Secretary, Treasurer, ARRL Liaison, Activities Manager/Program Chair, and Technical Committee Chair. Be sure to come and decide who will lead the club into the future. Volunteers to fill one of these vital club jobs will be enthusiastically appreciated.



Gregg Crump N8GEO

## Membership Report

The membership count remains at 66 members: 57 regular dues paying members and 9 life members. Only 8 of the 57 have not yet renewed for 2018.

We are hoping that AA8DD, K8CJ, KC8BW, KE8FVD, KE8FZX, N8HUL, N8SA and W8UHF will continue to be members in 2018.

I counted 21 members and one visitor present at the November meeting.

John N8FYL

11/27/17



John, N8FYL

## L'Anse Creuse Amateur Radio Club 45th Annual Swap & Shop SUNDAY, DECEMBER 3, 2017

**\*\*\*\* ! ! ! Same Location as 2016 ! ! ! \*\*\*\***

### Madison Place

(also known as United Food & Commercial Workers 876 Hall)

876 Horace Brown Drive

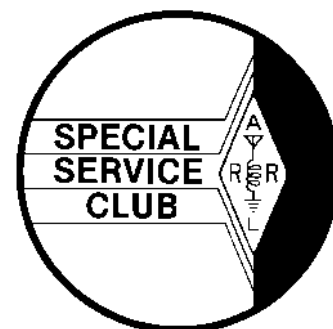
Madison Heights, MI 48071

**8 AM – Noon**

(Vendors with Pre-Paid tables get in at 6:30 AM)

**SWAP TICKETS: \$5.00**

(Kids under 12 Free)



# Report of the Secretary

Submitted by Dave, N6WY

## General Items:

The November 1, 2017 meeting was called to order by President Debbie, KC8WHN, at 7:10 PM. Motion was made to approve the September General Meeting Minutes by Mike, N5WCS, and seconded by Clem, W8VO.

**Roll Call:** Twenty-Five meeting attendees gave their name and call including one guest — Fred, WB8ITB.

## *Tuned Circuit* News Letter Input:

John, N8FYL, announced that the deadline for the next *Tuned Circuit* newsletter input is November 27th.

**Membership Report:** John, N8FYL, reported that we now have 57 paid members and 9 life members. Membership dues are payable now.

**Net points:** Clem, W8VO, announced the net points.

Vince, WA8BIJ - 6600, Wayne, WG8U - 5950, Clem, W8VO - 2850, Gregg, N8GEO - 1350

**QSL Requests:** Dale, K8RO, received 4 requests for club QSLs; 3 Field Day and 1 MI QSO Party

## Where's Doug, N8PYN:

Next swap is L'Anse Creuse Amateur Radio Club Swap & Shop, Sunday, December 3, 2017.

Doug will be participating in the ARRL SS Contest and not attending the Ft Wayne Hamfest for the weekend of November 18-20, 2017.

## 50/50 drawing:

Won by Larry, KE8LEB. The winning amount was \$15 and the Youth Forum Fund received the other \$15.

## Door Prize Winners:

Fritz, KE8VFW — drill	John, N8FYL — multi meter	Marty, K8HVI — electric tape
Mark, N8REZ — ammo box	Mike, N5WCS — flashlight	Rick, K8RWM — QSL holder
KD8RJN, Ken — led badge	Dale, K8RO — flashlight	Doug, N8PYN — QSL holder

## Christmas Party:

Keith, W8KD, reported that he has sold 26 tickets to the LCARC Christmas Party. The ticket price this year is again \$20 per person. Keith has extended the special sale for tickets. You can now buy two tickets for \$40. Several people took advantage of the special sale price for two tickets. The Christmas Party is at [Sajo's](#) located on Moravian Drive just west of the Garfield Rd intersection. All arrangements are completed for the party. Keith would like to sell 40 more tickets, but three would be sufficient. Sajo's can hold 200. In addition to other activities at the party, a 50/50 raffle may be held. Tickets cannot be purchased at the December General Meeting because that date is too late to change the reservation count. Contact Keith to purchase ticket.

(Continued on page 4)

(Continued from page 3)

**Technical Report:**

Doug, N8PYN, summarized the technical session that was held on Wednesday October 18 at the repeater location. No success with tuning the UHF repeater duplexer. Another attempt will be made at a later date. The tuning screws for the duplexer are difficult to see and reach. The tool that was available affected the tuning and the tuning changed when the tool was removed.

**Swap & Shop:**

Dale, K8RO, reported that flyers were distributed, and he has sold some tables. He still has a lot of tables to sell. He may need some help Saturday night to help with vendor set-up. He needs someone to do a picture slide show of club activities that can be projected on a wall during the Swap and Shop.

**Treasurer's Report:**

Gregg, N8GEO, reported that we have \$4,250 in our account, of which \$58 is allocated to the Youth Forum fund and \$766 to the repeater fund. Dale, K8RO, received \$300 to pay the deposit for the upcoming Swap & Shop. The club has already paid for the Radio Raffle prize. Tickets for the Radio Raffle are now available.

**Old Business:**

John, N8NXW, said that our club members can use the Macomb College Electronics Lab. The first session at the Macomb College Electronics Lab is tentatively set for 7:00 PM on a Monday in January 2018.

The next board meeting is 7:00 PM Wednesday, November 8, 2017 at Roseann's.

Debbie, KC8WHN, has two VE Test Sessions scheduled. One session is in February and the other is in May.

**New Business:**

The [Winter Field Day](#) is 27 and 28 of January 2018. Debbie, KC8WHN, has reserved the Tucker Senior Center for Saturday, January 27, 2018 from 10:00 AM to 10:00 PM. When asked for a show of hands for number a people present that would be interested in participating in a one-day winter field day at the Tucker Senior Center, 6 to 8 people raised their hands. We can set-up two or three stations. Instead of cooking on site for meals, we could have subs or pizza for lunch and dinner.

**N1MM+ Contest Logging Software Presentation:**

After the business meeting, John, N8FYL, gave an overview on how to use the [N1MM+](#) Program. The N1MM+ logging software is the world's most popular ham radio contest logging program. John emphasized that the N1MM+ logging software is **not** a general logging program. The N1MM+ program is a contest optimized logging program for CW, phone and digital modes. John was able to give an overview before demonstrating some of the advance features of the program. This was a very interesting demonstration and all the advanced features could not be demonstrated because of time limitations. The club meeting had to be out of the Tucker Center by 9:00 PM.

**Adjournment:** Around 8:50 PM, Debbie, KC8WHN, requested the N1MM logging software demonstration to end and she asked for a motion to close the meeting. Motion was quickly made and seconded. The Tucker Center was cleared and secured at approximately 8:59 PM.

# Board meeting Minutes

## Attendees:

President, Debbie, KC8WHN	Technical Officer, Doug, N8PYN	Cathy, KC8WNNK
VP and President-Elect, John, N8NXW	Youth Forum Chairman, Ralph, W8ROI	Jenny Vandecar
Treasurer, Gregg, N8GEO	Secretary, Dave, N6WY	

Debbie called the November 8, 2017 board meeting to order at 7:15 PM. This is the last board meeting for Debbie as President.

## Old Business:

No Board meeting in December.

Debbie will contact Val to see if he is available for a Go-Kit presentation at the February General Meeting. The "White Elephant" exchange is planned for the January General Meeting.

John said that the Macomb College Electronic Lab is available the last Monday in January (29th). John mentioned that Macomb College has a large satellite dish that is not being used and asked if the club wanted to use the dish for any experiments. One suggestion was to try moon bounce communications.

At the November General Meeting, several members indicated that they would participate in a one day Winter Field Day at the Tucker Center. The Winter Field Day runs for 24 hours during the last full weekend in January each year from 1900 UTC (2pm EST) Saturday to 1900 UTC (2pm EST) Sunday. Debbie will reconfirm that the club has reserved the Tucker Center from 10:00 AM to 10:00 PM on Saturday 27 January 2018. All agreed that the time was adequate for stations set-up, several hours of operations, and stations take-down. The board members recommended pot luck for lunch and dinner. The club provides utensils, plates, and cups.

Cathy reported that the food for the Swap & Shop is all set. The club is not using the oven at Madison Place for food preparation. The oven creates a mess that is difficult to clean.

Gregg reported that 28 people have purchased tickets to attend the club's Christmas Party. The club treasury does not need to subsidize this Christmas Party because of the number of tickets sold. People that have not purchased tickets can pay at the party provided that they contact Keith, W8KD. There will be a 50/50 drawing at the Christmas Party.

## New Business:

Ralph said that John/N8NXW will be the alternate for the Youth Forum. Ralph has introduced John/N8NXW to Carole Perry, WB2MGP. Either Ralph or John will do the 50/50 support raffle.

## Technical:

Doug said that the meeting with the Sterling Heights Information Technology (IT) representatives went well. Our repeater can have access to the Sterling Heights internet. The Sterling Heights IT will open the necessary network ports for our repeater. We can connect to an ethernet jack in the fire station library. An air link will be used to go from the library across the parking to the repeater shack. The club will purchase a 3 GHz or a 5 GHz wireless point to point ethernet bridge. Estimated cost is about \$150.

The backup power generator is still not working.

The next technical session is Wednesday 15 November.

**Motion to Adjourn:** Motion was made and seconded. Meeting adjourned at 8:30 PM.

## PROBLEMS WITH LED 110V LIGHTING

Submitted by Ralph / W8ROI

I recently decided to 'go modern' in our garage and I put two LED lamps in our garage door opener sockets. In the process of doing this, I discovered two things of importance: Some LED lamps get very hot down toward the screw base. The ones I got at Home Depot have plastic below the clearish plastic, down to the screw base. If one of these lamps is left on for some time, the temperature is not quite as hot as the glass of a regular incandescent bulb, but it will certainly get your attention.

One thing we all have learned, one way or another is that heat = loss of some kind, unless the device is designed to produce heat for heating. So, some LED bulbs have heat generating devices (read that \$ loss) built in to turn the AC voltage into DC voltage at the level required for the LED device(s).

In addition, these bulbs from Home Depot also radiate some form of RF that will 'de-sense' the receiver in the opener! I discovered this when I went on an errand. I went into the garage, opened the big door, continued on to my car, and got in, belted up, and hit the "CLOSE" button on my remote. NOTHING! I tried it several times. NOTHING!

So, I got out of the car and went to the pushbutton remote on the side of the door frame. Tapped in the code and NOTHING! (It, too, is a wireless device.)

I went to the hard wired switch and there, turned the lights off. I went out to the car, being careful to step OVER the safety beam and then I was able to close the door from the remote in my car.

To verify this, when I got home from the errands, I took the remote with me into the garage and every few feet, hit the OPERATE button. It was not until I got to within six inches of the simple wire antenna that the REMOTE would trigger the mechanism.

The solution? Well, I could have gone back to incandescent bulbs, but I had a few older LED devices that did NOT get more than warm, as they illuminated things for me. I tried them in the two locations and now the remotes work just fine.

So, be on the lookout for the right kind of bulbs for a garage door opener. They may still be around, but the best check is to turn one on, let it operate for 10 minutes or so. If it is NOT too hot to touch, comfortably, (no heroics here!) it might not have any radiating RF to interfere with a door opener. Of course, the best way is to test the device in place.

I won't be surprised to hear that the FCC gets into the action sometime in the future, to have some regulatory power over the importation of these "RF DIRTY" devices.

I have a number of LED bulbs all over our house, and although I don't keep that close track of our electric bills, I suspect that usage due to lighting has decreased.

Good luck!

73, Ralph

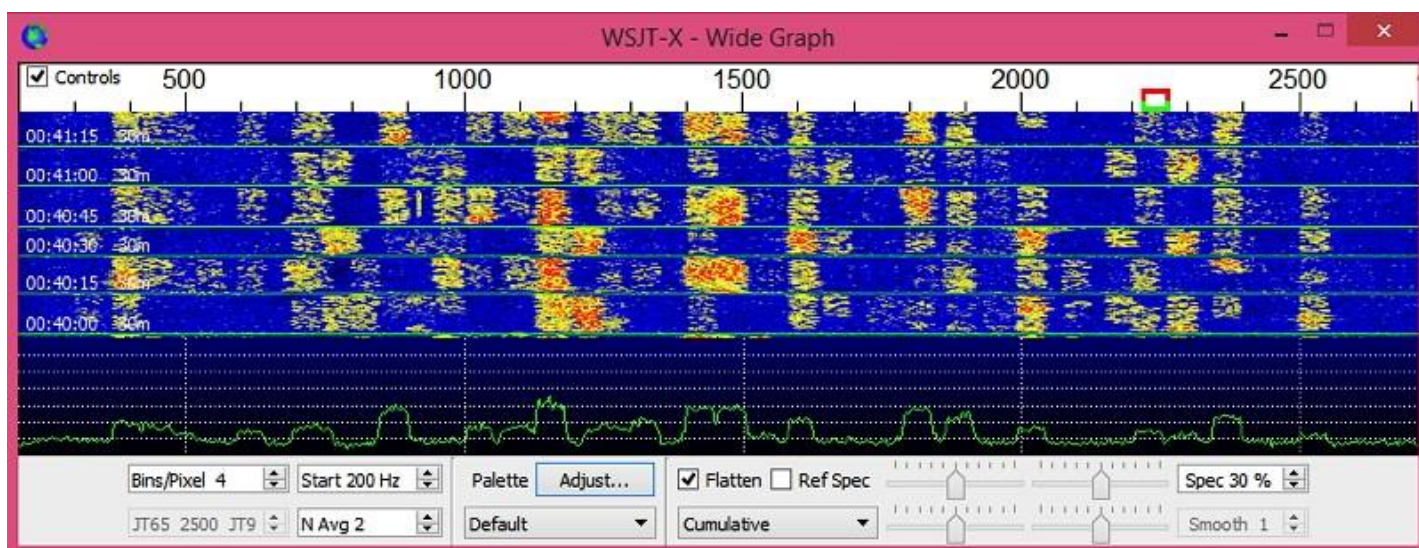


**L'Anse Creuse Amateur Radio Club**  
**45th Annual Swap & Shop**  
**SUNDAY, SUNDAY, SUNDAY!**  
**DECEMBER 3, 2016**  
**Vendor Setup Saturday 6 -> 10 PM**  
**Sunday 6:30 AM**

## FT-8: — I'm not really feeling the magic

By Dan Romanchik, KB6NU

Partly out of curiosity and partly because Jeff, KE9V, shamed me into it, I setup my Signalink interface, downloaded WSJT-X from <https://physics.princeton.edu/pulsar/k1jt/wsjt.html>, and started operating FT-8, the latest “shiny object” (as the ARRL dubbed it) from the K1JT team. As you probably know, this mode has really caught on with the digital crowd, and the waterfall is chock full of FT-8 signals. Part of the reason for this is that it has some of the characteristics of JT-65, but is not as excruciatingly slow.



A waterfall display generated by WSJT-X at 7:30 pm, 11/23/17.

Over the past couple of days, I've made 32 QSOs, including a couple of DX contacts. It's been fun to try something new, but to be honest, I'm not really feeling the magic.

Part of it is that I don't feel like I'm really doing anything. I downloaded the software, plugged in my digital interface, fooled around with the settings a bit, and then, the computer started making contacts. I have to click a few on-screen controls to make contacts, but even that's a step that could be easily programmed in by the WSJT-X developers. (In fact, I wonder why they haven't done that already!)

(Continued on page 8)

(Continued from page 7)

**Band Activity**

UTC	dB	DT	Freq	Message
185930	-10	0.4	862	~ WB8JUI WAMAD
185930	-6	-0.7	1352	~ N9YBK K00Y 73
190000	9	0.3	1204	~ KB6NU WA9THI RRR
190000	2	0.1	595	~ CQ WA6GXQ FM06
190000	-9	0.4	862	~ WB8JUI WAMAD
190000	7	0.1	1545	~ HB9LBC WA2CXA FN22
190030	7	0.3	1204	~ KB6NU WA9THI 73
190030	6	0.1	595	~ CQ WA6GXQ FM06
190030	8	0.1	1546	~ HB9LBC WA2CXA FN22

**Rx Frequency**

UTC	dB	DT	Freq	Message
185845	14	0.1	1352	~ K00Y N9YBK +00
185900	-3	-0.8	1352	~ N9YBK K00Y R+13
185900	10	0.3	1204	~ CQ WA9THI EM69
185918	Tx		1204	~ WA9THI KB6NU EN82
185930	6	0.3	1204	~ KB6NU WA9THI +03
185945	Tx		1204	~ WA9THI KB6NU R+06
190000	9	0.3	1204	~ KB6NU WA9THI RRR
190015	Tx		1204	~ WA9THI KB6NU 73
190030	7	0.3	1204	~ KB6NU WA9THI 73

**Generate Std Msgs**

Next	Now
WA9THI KB6NU EN82	Tx 1
WA9THI KB6NU +09	Tx 2
WA9THI KB6NU R+09	Tx 3
WA9THI KB6NU RRR	Tx 4
WA9THI KB6NU 73	Tx 5
CQ KB6NU EN82	Tx 6

**Status**

40m 7.074 000

WA9THI EM69

Az: 222 409 km

2017 Nov 23 19:00:47

Receiving FT8 Last Tx: WA9THI KB6NU 73 2/15 WD:6m

**WSJT-X screenshot.** The sequence of transmissions in the Rx Frequency window comprises a contact.

Take a look at the screenshot above to see how a typical contact happens. When a CQ appears in the “Band Activity” window, you double click on it. When you do this, the software begins listening for signals on that frequency. In this case, I double-clicked on the CQ by WA9THI. When I double-clicked on the CQ, the program began decoding signals on that frequency and display the transmissions in the “Rx Frequency” window.

Then, I clicked on “Enable TX” and the program began the contact sequence, sending “WA9THI KB6NU EN82.” EN82 is my grid designator. This is shown as the first yellow line in the Rx Frequency window. The transmissions that I sent are highlighted in yellow. The transmissions sent by WA9THI are highlighted in red.

The sequence of transmissions shown there comprise a complete contact, and that whole process takes less than two minutes. And, once WA9THI received my first transmission, the sequence is all automatic. You just sit there and watch the two computers talk to one another.

While I can certainly appreciate the thought and the work that went into the design of the protocol and programming to implement it, sitting and watching the computers talk to one another just doesn’t excite me. On the other hand, if you’re one of those guys who wants to make contacts, but doesn’t really want to talk to anyone, than this is the mode for you!

(Continued on page 9)

(Continued from page 8)

Here are a few more notes about FT-8 operation:

- Not surprisingly, synchronizing your computer with the other stations computer is very important. To do that, you need to get your computer to use the network time protocol (NTP). I failed to do this when I first installed WSJT-X, and while my waterfall was full of FT-8 signals, WSJT-X just wouldn't decode them.
- I got my PC laptop to talk ntp by installing Meinberg NTP software (<http://www.ntp.org/ntpfaq/NTP-s-def.htm>). Once I did that, WSJT-X magically started decoding transmissions.
- Most of the cool guys seem to be using Meinberg NTP, but there are other options. One of the guys in our club is using a program called Dimension 4, for example.
- Apparently, you don't have to limit your power output as you would with PSK-31. At first, I set my output power to 10 W. I had a bit of success at 10 W, but I expected more. When I asked on Twitter how much power other guys were using, most of them said that they were using more than that.
- For the last couple of sessions, I've been setting my output power to 25 W, and I've been having more success. I've now worked several Europeans on 30m.
- Even at 25 W, my signal reports are more often than not not as good as the signal reports I'm handing out. I haven't figured this one out yet. This doesn't happen to me when I'm operating CW, so I don't think it's my antenna.
- When I'm operating, I write down the calls of stations I've contacted. The reason for this is that while WSJT-X does have a logging function, it doesn't have a log window, so unless you have a great memory, you could end up working guys two or three times a session. That's probably not a big deal since contacts are so quick, but I'd rather avoid doing that if I can.
- WSJT-X works "split." While most contacts take place on the same frequency, a station can call you anywhere in the passband of your receiver and WSJT-X will decode the signal and begin a contact. This threw me the first time or two that this happened, and I tried to change my transmit frequency to match the other station's. In doing so, I messed up the sequence. I now just let the contact proceed normally, and it works out great.
- When I work the other digital modes, I set my IC-746PRO to the USB-D mode. In this mode, the receive passband is narrower than for working phone. When operating FT-8, however, you don't want to limit that passband. Signals will appear across the entire 2.6 kHz of the USB signal, and if you narrow the passband, you won't be able to work those stations.
- WSJT-X checks the validity of call signs. This afternoon, there was a guy who had typed in his call as "WAMAD" and was calling CQ. WSJT-X wouldn't let me answer that CQ.
- Operating this mode opens up the possibility of working more stations whose callsigns spell words and adding those QSL cards to my collection. I have, for example, already worked K1GUY, N4HER, and N5SLY. I'm guessing that these guys don't operate CW.

All told, I've found this to be an interesting foray into a new digital mode. While I'm not feeling the magic that some others seem to be feeling when operating FT-8, it certainly will be a change of pace to operate this mode from time to time. Give it a shot and tell me what you think.

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Dan, KB6NU, is the author of the "No Nonsense" amateur radio license study guides and blogs about amateur radio at [KB6NU.Com](http://KB6NU.Com). When he's not working FT-8, he teaches ham radio classes and operates CW on the HF bands. You can email him at [cwgeek@kb6nu.com](mailto:cwgeek@kb6nu.com).

## Free Online Morse Training for Young Hams

Submitted by Carl Davis / W8WZ

The CW Operator's Club (CW OPS) is expanding its very successful CW Academy Program to include a special opportunity for hams between age 11 and 19 to learn Morse Code in free online classes with hams their own age. Students will be grouped into classes with other hams in their age range (11-13, 14-16, 17-19) and in their time zone for online CW training over SKYPE.

In addition to training in Morse Code, CW OPS will provide volunteers in the student's area to help him/her with antenna and radio station installation when possible. Additionally, a program to provide free loaner HF stations to students in the program is also being developed.

Hams in the US or Canada aged 11 to 19 who are interested in this opportunity should register via e-mail to [K6RB58@gmail.com](mailto:K6RB58@gmail.com) with the subject line YOUTH CWA between 15 November and 15 December 2017. Classes will begin in January 2018. The e-mail should include:

- First & Last Name
- Age
- E-mail address
- Callsign and current license class
- Time Zone
- Telephone Number

CW Ops will continue to offer its free three stage online CW Academy to hams over age 19 without change to that established program. Full details can be found on [www.cwops.org](http://www.cwops.org)

## TO BALUN OR NOT TO BALUN?

Submitted by Clem / W8VO

That is a question many have had. Why consider a balun? What is it? Where do you install it? What does it do?

Whoever made up the word had quite an imagination. It comes from "balanced" to "unbalanced".

### Why consider a balun?

Most radios have 50 ohm impedance outputs. Coax is normally close to 50 ohms. No problem so far. However, sometimes the antenna has a mind of its own and may not be 50 ohms, but 300 or 400 ohms. This is the case with certain loops. Therefore, you make a transformer at the antenna to solve the mis-match.

Some choose to use a ladder line rather than coax. Then the balun or transformer is at the transmitter end, usually through a tuner. The ladder lines range from 200 ohms to 600 ohms. This will feed a high impedance loop antenna. It can also feed a low impedance dipole by feeding it differently using a "DELTA" connection. This is where the dipole is one solid wire. The ladder line is connected at a point to the left of center and to the right of center. At the

point where the impedance of the dipole matches the ladder line impedance.

Most installations are, radio, 50 ohm coax then 50 to 70 ohm antenna. Why use a balun?

It is due to the nature of RF on wire. "Skin Affect". RF traveling along a wire appears on the surface of the wire. Sort of like floating along.

Coax has a center conductor with RF floating on the outside surface of the wire. The other side is the shield. The RF is floating along the inside of the conductive shield. This is perfect for good cancellation allowing the coax not to radiate until it gets to the antenna.

However, sometimes when it gets to the antenna, the skin affect makes a problem. Instead of going to the shield side of the antenna, it takes advantage of the skin affect and goes down the outside of the shield of the coax. Then it says howdy to you while your operating. Giving you a little RF burn when you touch your equipment. Or, causing havoc in the station. Coming through speakers not even turned on, light up light bulbs, activating alarm systems and the list goes on. The amount of RF coming back on the shield depends much on the length

*(Continued on page 11)*

(Continued from page 10)

of coax. Normally it is a fraction of the total power.

### What can you do? A balun.

You can either construct or purchase a 1:1 balun. Some are called isolation transformers.

This puts a high reactance component between the shield side of the antenna and the shield of the coax. There are a variety of ways to do this.

Coiling the coax is an easy way to do it. There are toroid configurations and there are ferrite beads. Most of these will work well. However, caution is needed with the toroids and ferrite beads. It needs to be large enough to handle the RF power of the transmitter.

The coil of coax is quite effective. Listed below are some suggestions on coil size per frequencies.

#### Frequency (MHz) RG/8, 58, 59, 213

3.5 -> 30 MHz 10 FT, 7 TURNS, FORM=5 3/8"

3.5-10 MHz 18 FT, 9-10 TURNS

14-30 MHz 8 FT, 6-7 TURNS

Wind the indicated length of coaxial feed line into a coil (like an inductance coil) and secure so it holds its form. The balun is most effective when the coil is near the antenna.

So, to balun or not to balun? You will *know* when you fire up your radio!

## FOR SALE

By Dave / K8GTV

1/4 watt resistors	20 / \$1
capacitors	10 / \$1
DIP circuits	10 / \$1
transistors	10 / \$1
multi drawer sets	with components \$20-\$30
smaller drawer sets	with components \$5

Look for Dave/K8GTV at the LCARC SWAP  
SEE YOU THERE!

## More For Sale

By Scott / W8CQD

2 Yaesu [FT-1900R](#) 2m mobile rigs. 5/10/25/55 watts. These are in excellent condition, in original boxes with all included accessories. I am asking \$80/each for these.

Second, an [MFJ-1026 Deluxe Noise Cancelling Signal Enhancer](#). Also in excellent condition in the original box with all included accessories. I am asking \$180.

I can be reached with questions, etc. at [w8cqd@arrl.net](mailto:w8cqd@arrl.net).

## Future Programs & Activities

Gregg Crump, N8GEO—Activities Manager

December 3, 2017	<a href="#">LCARC Swap</a> at UFCW #876 Hall (Madison Place) in Madison Heights, MI
December 6, 2017	Regular meeting — Annual Elections
December 13, 2017	LCARC Christmas Party at <a href="#">Sajo's</a>
January 3, 2018	Regular meeting — White Elephant "gift" exchange
January 28, 2018	Hazel Park Swap at UFCW #876 Hall (Madison Place) in Madison Heights, MI
February 7, 2018	Regular meeting
March 7, 2018	Regular meeting
April 4, 2018	Regular meeting—MIQP in 17 days!
April 21, 2018	Michigan QSO Party
May 2, 2018	Regular meeting

## L'Anse Creuse ARC Board Members – 2017

### President

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Harrison Twp, MI 48045-3030  
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[n8geo@arri.net](mailto:n8geo@arri.net)

### ARRL Liaison

Gregg Crump, N8GEO  
29729 South River Rd  
Harrison Twp, MI 48045-3030  
(586) 477-0364  
[n8geo@arri.net](mailto:n8geo@arri.net)

### Activities Manager

Gregg Crump, N8GEO  
29729 South River Rd  
Harrison Twp, MI 48045-3030  
(586) 477-0364  
[n8geo@arri.net](mailto:n8geo@arri.net)

### Past President

Rick Vandecar, W8RTV SK

### Technical Officer

Doug Chauvin, N8PYN  
29112 Elmwood St.  
St Clair Shores, MI 48082  
(586) 775-1891  
[dougn8pyn@ameritech.net](mailto:dougn8pyn@ameritech.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	Gregg Crump	N8GEO	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 / Swap Tables	Dale McGorman	K8RO
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	Dave Herrington	N8NLK	Webpage Assistant	Marty Folz	K8HVI
			Youth Forum (50/50)	Ralph Irish	W8ROI

### 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

Swap on December 3, 2017. 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/trainer/Examples/hct.html>



## Upcoming Swaps

### 12/03/2017 | LCARC Swap/Hamfest

**Location:** Madison Heights, MI

**Type:** ARRL Hamfest

**Sponsor:** L'Anse Creuse Amateur Radio Club

**Website:** <http://www.n8lc.org> [Learn More](#)

### 01/28/2018 | HPARC Swap

**Location:** Madison Heights, MI

**Type:** ARRL Hamfest

**Sponsor:** Hazel Park Amateur Radio Club

**Website:** <http://hparc.org> [Learn More](#)

### 02/10/2018 | 45th Annual Swap & Shop

**Location:** Traverse City, MI **Type:** ARRL Hamfest

**Sponsor:** Cherryland Amateur Radio Club

**Website:** <http://cherrylandarc.com> [Learn More](#)

### 02/18/2018 | Livonia ARC's 47th Annual Swap & Shop

**Location:** Livonia, MI

**Type:** ARRL Hamfest

**Sponsor:** Livonia Amateur Radio Club

**Website:** <http://www.livoniaarc.com/index.php?page=swapshop>

[Learn More](#)

### 03/17/2018 | 2018 Michigan Crossroads Hamfest

**Location:** Kalamazoo, MI

**Type:** ARRL Hamfest

**Sponsor:** Southern Michigan Amateur Radio Society

**Website:** <http://www.w8df.com/hamfest> [Learn More](#)

### 04/29/2018 | 1st Annual GMARC Swap & Shop

**Location:** Madison Heights, MI

**Type:** ARRL Hamfest

**Sponsor:** General Motors Amateur Radio Club

**Website:** <http://www.gmarc.org/SwapInfo> [Learn More](#)

### 05/05/2018 | Cadillac Hamfest

**Location:** Cadillac, MI

**Type:** ARRL Hamfest

**Sponsor:** Wexaukee Amateur Radio Club

**Website:** <http://www.wexaukeearc.org> [Learn More](#)

### 05/18/2018 | 2018 Dayton Hamvention

**Location:** Xenia, OH **Type:** non-ARRL Hamfest

**Sponsor:** Dayton Amateur Radio Association

**Website:** <http://www.hamvention.org> [Learn More](#)

## L'Anse Creuse Amateur Radio Club Nets

Day	Time		Band	Mode	Frequency	Net Control	Calendar
	UTC	EDT					
Monday	0030	1930	15 M	CW	21.165 MHz	Vince, WA8BIJ	Every Monday
Monday	0130	2030	15 M	USB	21.395 MHz	Clem, W8VO	Every Monday
Monday	0200	2100	6 M	USB	50.160 MHz	Gregg, N8GEO	Every Monday
Tuesday	0100	2000	2 M	Packet	144.93 MHz	Vince, WA8BIJ	Every Tuesday (Connect to detqso)
Thursday	0030	1930	10 M	USB	28.435 MHz	Wayne WG8U	Every Thursday
Thursday	0130	2030	2 M	FM	147.08+ MHz	Clem, W8VO	1st Thursday
						Wayne, WG8U	2nd Thursday
						Gregg, N8GEO	3rd Thursday
						Rose, K8VFR	4th Thursday
						Vince, WA8BIJ	5th Thursday

## Membership Request

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Request For:

L'Anse Creuse Amateur Radio Club

Gregg Crump, N8GEO

29729 South River Rd

Harrison Twp MI 48045-3030

\_\_\_ \$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.

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 )

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.)

# *The Tuned Circuit*

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

First  
Class  
Postage

L'Anse Creuse Amateur Radio Club

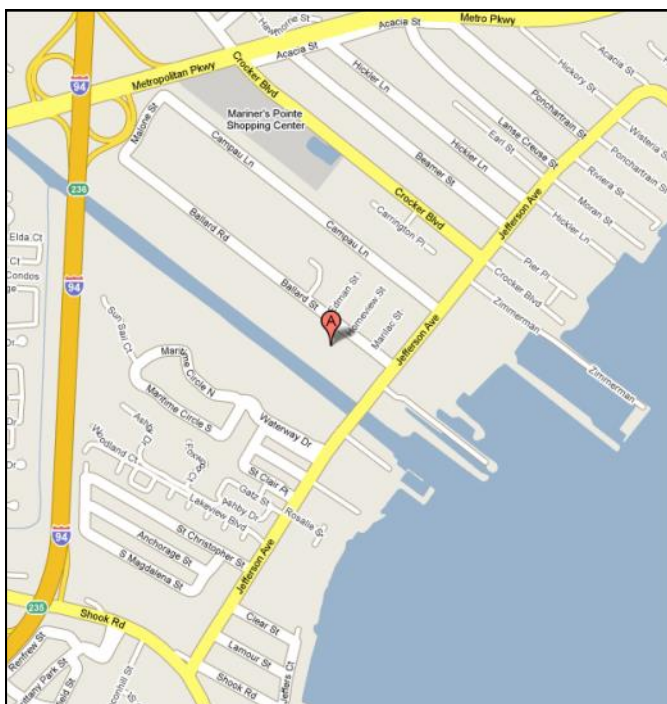
P.O. Box 180072

Utica, MI 48318

LCARC Web Site

<http://www.n8lc.org>

E-mail: [info@n8lc.org](mailto:info@n8lc.org)



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.