

# THE TUNED CIRCUIT

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

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## MARCH 7TH MEETING PROGRAM

Activities Manager Scott / W8CQD reports that the March meeting program will feature [Marvelous Promotions](#) coming in with samples of apparel which can be adorned with the L'Anse Creuse club logo. There will be lots of time for questions and placing orders.

*Veronica Williams-Hernalsteen*  
*Marvelous Promotions, Inc.*  
*33272 Groesbeck Hwy.*  
*Fraser, Michigan 48026*  
*586.285.5500*

**April TC  
Deadline:  
March 26th**



**MEETING time is 7:00 PM**

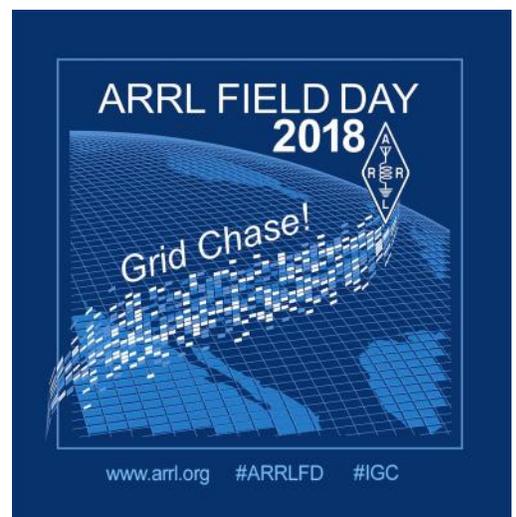


Next Meeting - 7:00 PM March 7th 2018 at the Tucker Senior Center (see [last page](#) for map and address).

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

The NEXT board meeting will be on Wednesday, March 14th, 2018.

With the warm days that we have been having here near the end of February, it is not hard to believe that [ARRL Field Day](#) is only four months away! The ARRL has published the [2018 Field Day packet](#). No significant changes to the rules this year. Now is the time to make sure your calendar is free of conflicts for the weekend of June 23-24, 2018 so YOU can participate in Field Day. If you liked Winter Field Day, come enjoy "the big one" when it's warm!



# Report of the Secretary

Submitted by Dave, N6WY

## General Meeting Minutes for February 7, 2018

### Business Meeting Start:

#### Roll Call.

The LC Club President John, N8NXW, gaveled the February general meeting to order at 7:10 PM. Roll call was done by each person present giving their name and call sign. Twenty were present including one new member, John, K8ZEC and one guest, W8PIE.

Minutes approved. John, N8FYL, made the motion to approve and Russ, N8HAR, made the second.

### Where's Doug plus Technical Report:

Doug, N8PYN will be at the Livonia ARC's Swap & Shop on 18 February 2018. The LC Club will have a table at this Swap & Shop.

We now have full internet connection at the repeater shack. Both ends of the wireless ethernet link are working. Sterling Heights information technology group has opened all the required network ports for our repeater. The HRI-200 Wires-X is on the 450 repeater and Echo Link is on the 2 meter repeater.

Russ, N8HAR, asked about All Star. Dale, K8RO, said that we can add All Star to the Echo Link.

### Tower Maintenance:

Ken, KD8RJN, took some pictures of the repeater tower. Based on those pictures and his notes, Ken was able to obtain some preliminary quotes from "antenna installers / tower climbers". Preliminary estimates are coming in at about \$1,000.00. The top of the antenna tower is available for LC club use. The tower is not fully abandoned. The upper cell antennas are inactive. Some of the lower cell antennas are active.

Ken is making a work list. Members should review his work list and add any missing items. From Ken's work list, a project plan will be developed with requirements for the "antenna installers / tower climbers". Ken asked for an active inventory of all equipment at the repeater site.

Dale, K8RO, suggested that we wait for warmer weather so that the tower climbers will not be in a hurry to climb down the tower. Dale said that all cables are labeled and should be no problem with connecting the correct cable at the top of the tower.

**Treasurer's Report:** Gregg, N8GEO gave the report. All the radio raffle funds are now in the club's account. Total amount in the account is \$6074.88. The Youth Fund has \$104.24. The Repeater Fund has \$763.37. Total available is \$5207.27.

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

WG8U = 6000 W8VO = 2900 N8FYL = 1600 WU8C = 4550 N8GEO = 1400 K8RO = 400

### Membership Report:

John, N8FYL, reported that we now have 58 members which includes 1 new member. This meeting was the deadline for members to pay their dues and keep their club membership. Six members did not renew.

### Old Business:

#### Winter Field Day.

If Winter Field Day success is measured by fun and good eating then the LC Winter Field Day was a great success.

*(Continued on page 3)*

(Continued from page 2)

Marty, K8HVI, put up the antenna. Scott, W8CQD, tested the antenna. Dale, K8RO, did CW. The LC Club had no issues with the Tucker Center. No problems with the feed lines going out the window. 18 people signed in.

We know how to do better next year. We are going for the points multipliers next year. Some lessons learned are that the antenna launcher air cannon leaks air when the temperature is cold and we need extra coax barrel connectors. Maybe a Helium balloon would work in cold temperature.

Doug, N8PYN, is sending in the log.

We need a Winter Field Day chairman for next year.

Macomb Community College (MCC) Tech Night.

John, N8NXW, said that Monday is not available for the LC Club at MCC. We need to reschedule for a Tuesday or Thursday night. Since Thursday is the LC Club 2 meter net, John scheduled the next MCC Tech Nights on 27 February and 27 March at 7 PM in the S Building, room S136 at the Warren campus. At the last MCC Tech Night, Doug, N8PYN, fixed his  $\mu$ BITX transceiver.

### **New Business:**

Dayton Rooms.

The LC Club has a hold on a limited number of rooms for the Dayton Hamfest. The first of April is the cut-off date to reserve one of these rooms. See the Yahoo Icradioclub Group for details.

Equipment Storage.

Ken, KD8RJN, said that we need a place in the Tucker Center to store miscellaneous items like power strips, computer speakers, and other items that may be required for presentations. The Tucker Center may not allow us to store items. Gregg, N8GEO, said maybe we can donate the items to the Tucker Center and the items will be available for use by the Tucker Center and our LC Club.

Dale, K8RO, said that for major equipment, the repeater shack can be used for storage.

### **Raffles:**

50/50 winner. \_\_\_ Ray, W8PIE, \$16.50

Door Prizes.

Scott, W8CQD, ammo box	Matt, KD8LLT, tape	Gregg, N8GEO, zip ties	Marty, K8HVI, zip ties
Keith, W8KD, flash light	Russ, N8HAR, antenna	John, N8NXW, tape	Marty, K8HVI, flash light
John, N8FYL, card holder	Dale, K8RO, card holder		

### **Business Meeting Wrap-up:**

Next Board Meeting: John, N8NXW, announced the next board meeting is 14 March at Roseann's (15 Mile and Gratiot). The official start is 7:00 PM to eat and 7:30 PM for business.

Meeting Adjourned: John, N8NXW, asked for motions to adjourn the business portion of the meeting and to start the program. Dale, K8RO, provided the first motion and Mike, N5WCS, the second.

**Night Out:** The second Monthly Night Out is on the third Tuesday, February 20, 2018. The location is at Ernie's on 19 Mile west of Garfield. This is not an LC club sponsored event but is organized by club members. Everyone is responsible for their own and guests bill. The first Monthly Night Out was on 23 January had 13 people at "BIG Al's Fire House" restaurant in Utica.

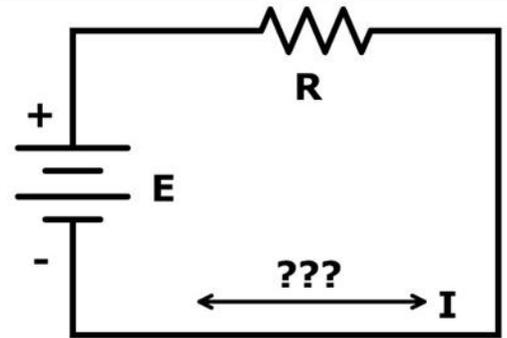
**Program:** Scott, W8CQD, provided us with a video of the ARRL webinar about using CHIRP. CHIRP is a free cross-platform, cross-radio programming tool. It works on Windows, Linux, and Mac OSX. Chirp is used to download your radio memories and settings, change them, and upload them back to your radio.

## Which way does current really flow?

By Dan Romanchik, KB6NU

I was recently taken to task by one of my blog readers regarding my description of current flow in my *No Nonsense Technician Class License Study Guide*. He wrote:

You casually say that current flows from Positive to Negative (with cool accompanying directional arrows), without any accompanying qualifying statement. Over the years I have looked at ALL the views on the subject. Positive to Negative is NOT what I was taught 48 years ago, and I have never seen a good reason to change my view.



In a subsequent email, he pointed me to a Nuts 'n Volts article, [“Which Way Does Current Really Flow?”](#) and asked my opinion. In the article, the author, who is a ham by the way, does a good job of explaining the various types of current flow.

I agree that in electronic circuits electrons flow from negative to positive, but it really doesn't matter. I agree with one the article's commenters who says,

This is a silly argument. It's like comparing apples and oranges and challenging people to take sides.

Electron flow is not current flow. Electron flow is easy to understand, an actual physical property, and a real help in understanding vacuum tube operation. But it falls apart when one needs to understand complex electronic systems.

[Conventional] current flow is a mathematical abstraction. It is defined as a net flow of positive charge, irrespective of the polarity of the physical charge carriers — whether electrons, holes, positive or negative ions, or whatever.

When looking at any circuit containing a resistance with a voltage across it, conventional current through that resistor says that the voltage drop occurs as the current through it meets resistance. On the other hand, in negative (electron) flow, a voltage INCREASE will correspond to the 'current' flow through it, clearly violating physical laws. Conventional current flow is consistent with the laws of physics and those of other engineering disciplines.

You are correct that engineers, professors and scientists use conventional current flow. That is not because they are too obtuse to understand electron flow; I assure you they fully understand it. It is because in their world they have to solve more general problems involving complex math and science, and, again, conventional current flow is consistent with physical laws.

It is unfortunate that electron flow and current flow are so often confused. They both have their place.

After reading that article, I thought I'd see what the ARRL Handbook has to say about current. In the 1963 edition, they don't mention electron flow at all. They have one diagram showing the direction of

(Continued on page 5)

(Continued from page 4)

current flow in both series and parallel circuits, but the voltage source has no polarity. It's simply labelled "Source of E.M.F." Diagrams giving practical examples of series and parallel circuits do include a battery, and if the reader were to mash up the two diagrams, they would conclude that current flows from the positive terminal to the negative terminal.

The most recent edition of the Handbook that I have is the 2005 edition (it might be time to get another copy!). It says,

Electrons move from the negative to the positive side of the voltage, or EMF, source. Conventional current has the opposite direction, from positive to negative. This comes from an arbitrary decision made by Benjamin Franklin in the 18th century. The conventional current direction is important in establishing the proper polarity sign for many electronics calculations. Conventional current is used in much of the technical literature. The arrows in schematic symbols point in the direction of conventional current, for example.

Having said all that, I really don't see that there's much of a controversy here. I did learn to think of current as conventional current in college, although it was mentioned that electrons actually flow in the opposite direction. Using the concept of conventional current has never seemed to hold me back. I've been able to design circuits and repair electronic equipment thinking that current flows from positive to negative.

Although it's a departure from my "no nonsense" style, I am thinking of including a sidebar, similar to the paragraph above from the 2005 Handbook explaining the two ways of looking at current flow. What do you think?

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When he's not trying to figure out which way current flows, Dan blogs about amateur radio at [KB6NU.Com](http://KB6NU.Com), teaches ham radio classes, and operates CW on the HF bands. Look for him on 30m, 40m, and 80m. You can email him at [cwgeek@kb6nu.com](mailto:cwgeek@kb6nu.com).

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## Night Out on the Town – March Madness!

Submitted by Ken / KD8RJN

At the February 20th dinner, Judy said she would plan the March dinner. As expected it was delegated to me. We had discussed going to the *Alibi Inn* on Rochester Road, but after contacting the Alibi Inn we are sorry to say, it will not work out. The Alibi does not take dinner reservations and to get the back room we need to order from a special menu and guarantee a minimum spend of \$400.00. That may be possible if enough members attended, but that is not a guarantee. So we decided to plan the outing at a different location. (Sorry Dale).

We (my wife) made the executive decision to move the March outing to a more central location. We have chosen [Mavrix Restaurant & Bar](#), which is located on the east side of Schoenherr Road just south of 23 Mile Road.

We stopped in there last night, and of course I had to buy dinner again. We met with the manager and we have a side area of the restaurant reserved for March 20th at 6:30 for 20 plus or minus. The manager understands we cannot determine the number that will come, but they are willing to accommodate us for whatever tables and seating we need.

The food is good and prices are reasonable.

This link <https://eatatmavrix.com/> contains all the information you will need. Hope to see you all there.  
73, Ken / KD8RJN

**ANNOUNCING**

**The 4th Annual**



# NOVICE RIG ROUNDUP!

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CQ NRR CQ NRR  
CQ NOVICE  
RIG ROUNDUP  
---



Warm up your filaments, check your filter caps, dust off your J-38, and join us March 3-11, 2018, for nine days of operating fun. Relive the glory years of 75 watts input and crystal frequency control. Novice-type equipment encouraged, but not required to participate.

*Novice Rig Roundup  
Guaranteed to Include:*

*Whoops*

*Chirps*

*Drift*

*Clicks*

*... and a Whole Lot of Fun!*

**WHEN:** March 3, 2018, 00:00 UTC to  
March 11, 2018, 23:59 UTC

**WHERE:** 80m, 40m, 15m, 10m, 2m

**MORE INFO:** <http://novicerigroundup.com>

Submitted by Carl / W8WZ

## WHAT CAN YOU DO WITH THOSE WALL WARTS?

Submitted by Clem / W8VO

### What is a Wall Wart?

You know, it is the small power supplies that plug directly into an AC outlet. It charges our tablets, phones, shavers, tooth brush and more...

On every Wall Wart its specifications are labeled on it. It states if it is an AC or DC supply. It will give you the voltage and the maximum current it can handle. It will give you the polarity of the connector, if it is a DC supply. It may tell you if it is regulated.

The devices come in a variety of voltages. From 1.5 volts to as high as 48 volts. Also, anywhere from 50 ma to several amps.

The Warts can be used for a trickle charger as described below. To substitute for a battery, such as a 9 volt. It can run a cooling fan or a power supply for your proto boards.

First determine the voltage you will need and the maximum current it will draw. Then select a Wall Wart that has a higher voltage and current rating. Select a regulator that has a lower voltage rating than what you need, or the exact one. Do not go higher than what is needed. The regulators can be increased in voltage, but not lowered.

If you are substituting it for a 9V battery, a 7809 will work without the diode to ground (below). A 7812 will work for a 12V device, like a fan, the same way.

If you need a higher voltage, then use the technique with a diode to raise the voltage. You can use more than one diode in series to increase voltage as needed.

Most of the regulators will handle from 1 to 3 amps. However, you can mount them to a heat sink if you are near the limit of the device.

### CHANGING VOLTAGE ON A REGULATED SUPPLY

There are times when a higher voltage is needed for your power supply. There are a couple of ways this can be done. This article will discuss one of the two ways.

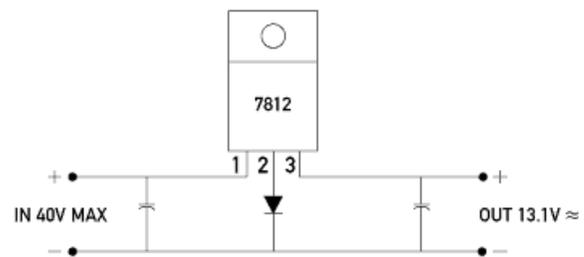
For example, you want to use the regulator as a trickle charger for a 12 volt battery. Lawn tractors,

generators and even cars and trucks that sit for a long time should have a charge on the batteries to keep it working year around.

Select a LM7812. You can use a wall wart that can handle at least .5 amps. If the wall wart claims 12 volts, it will probably be around 18 volts measured. Connect it to the LM7812 as in the schematic. Your output with lead #2 grounded will give you a slightly lower reading than 12 volt. This is not enough for trickle charging a 12 volt battery. Therefore, how can you raise it to 13.1 volts that is needed?

Simple, release lead #2 from ground. Then add a diode with the cathode to ground and anode to #2 lead. The forward direction of the diode will exhibit a resistance. This will increase the output voltage at lead #3. It will still be well regulated.

Depending on the diode used, will determine the output voltage. If it is not high enough, a second diode can be added in series with the first one.



A wall wart power supply can be picked for just a few dollars surplus. The regulator can be bought for as low as 50 cents. 2 filter capacitors will vary in cost, but will most likely be under \$2.00 each. The circuit can be built on a small board. You can use a fancy project box to house it, or a large shrink tube.

You can build the whole charger in less than an hour. It will save the batteries that sit unused throughout the winter to be ready for use in the spring.

## Membership Report

As announced, those who had not renewed by the February meeting were removed from the active member roster. Thus our membership count has gone down a bit. We now have 62 members: 53 regular members (5 of whom are enjoying their “first year free” experience), and 9 life members.

I counted 19 members and one visitor (Ray/W8PIE) present at the February meeting.

We welcome new member, but long time ham, John / K8ZEC to the club.

There has not been any action on the Yahoo “Icradioclub” reflector membership. Maybe “soon”.

John N8FYL  
2/28/18



John, N8FYL

## Hamvention 2018.. Don't miss the USECA Bus! Saturday, May 19th

Come spend a day (May 19<sup>th</sup>) at Hamdom's largest gathering in its second year at it's all-new location! Major manufacturers, hundreds of vendors, a HUGE Flea Market, good food, and beer, all in a country fair atmosphere.

USECA's planned non-stop bus ride is the quickest and closest pick-up in the area (14 Mile & VanDyke by Walmart)... we get you there on Saturday before Hamvention opens in comfort and style. There's power at every seat, video screens, and a bathroom aboard. Plug in your HT, phone, laptop, or DVD player and ride in comfort or snooze... your choice! Reserve your seat now! Get your registration in now!

You can reserve a seat now and assure *your* visit to Hamvention by using the registration form included on the next page of this

Dayton  
Hamvention®



newsletter. [Also available in recent issues of *The USECA Express* newsletter found here:

<http://usecaarc.com/express/Feb2018.pdf>] Total cost for 2018 is unchanged @ **\$55 roundtrip..** (Monies are non-refundable, see form) and do not include your Hamvention entry ticket (~\$25). Make a little plan Stan, get on the bus Gus. Get yourself free Lee... Don't miss Hamvention in Xenia!!

If you're going to mail your registration, be sure it's filled out completely and mailed to USECA's PO Box (listed on form)

ASAP (Mailed forms MUST be received before May 8<sup>th</sup>). We will accept last minute full-price walk-ons providing there's a seat available AND you have a completely filled out registration form in hand plus \$55 cash (*exact change*). Be at the pick-up site EARLY if you go this route, and expect to be the last seated if the bus is near filled. The bus will leave promptly at 4am... no need to be a USECA member to ride along! It's the easiest way to get to the “big show” in comfort. Arrive rested and ready to spend a whole day looking for deals and scoping out rigs and accessories. The bus is available to you during the course of the day to drop off items or rest your feet.

Contact Ken, N8KC for more info if needed at [n8kc@arrl.net](mailto:n8kc@arrl.net) or 248-652-1187.

### Registration for USECA's Charter Bus Day-trip to Hamvention, May 19th, 2018

Please PRINT clearly ALL information required below. Total cost, \$55.. does NOT include Hamvention ticket (~\$25)

Name \_\_\_\_\_ Callsign \_\_\_\_\_

Cell Phone # \_\_\_\_\_ Home Phone # \_\_\_\_\_

Emergency contact # \_\_\_\_\_ Name \_\_\_\_\_

Saturday, May 19th, 2018.. Bus leaves pkg lot @ 14 & Vandyke Walmart promptly @ 4am

Email \_\_\_\_\_ Bus will leave from Hamvention parking area promptly @ 5pm

Deposit paid \$ \_\_\_\_\_ (\$20) NOTE! Your deposit is non-refundable and forfeit if the remaining funds (\$35) are not received by 9pm February 12th, 2018 and USECA reserves the right to re-sell the seat. No exceptions.

Payment in FULL received: \_\_\_ / \_\_\_ / \_\_\_ (\$55 total)

Your signature REQUIRED below...

**Please read carefully!**

I, \_\_\_\_\_, understand it is my responsibility to arrive at the embarkation points (*both locally and in Xenia*) and be aboard the bus ON TIME (*4am here, 5pm @ Hamvention*). Failure to do so may well mean being left behind (*here or at Xenia*), in which case I'll be responsible for finding and funding my own transportation. (Plan to arrive *early* at points of embarkation and allow enough time for loading any items you might have.) If I am a "*no-show*", I understand that I forfeit my seat and any monies paid and that the seat may be resold as USECA sees fit. Once I pay in full for my seat, it is my responsibility... if I have to cancel for any reason; I understand it will be my responsibility to resell my ticket and notify USECA of that fact or my ticket *may* not be accepted in the hands of another person. I further agree to hold harmless and indemnify USECA and it's members for any unforeseen loss, liability, injury, or claims that may result from my participation in this activity. Please note that the bus is planned as a non-stop with no stops for food or drink and plan accordingly.

### Utica-Shelby Emergency Communications Association 2018 Day Trip to Hamvention Saturday May 19, 2018

Bus leaves 14 Mile & VanDyke Walmart lot @ 4am, leaves Hamvention lot @ 5pm

Payment in Full Only, after Feb 13 (*non-refundable*)

**NO DEPOSITS TAKEN  
AFTER FEBRUARY  
MEETING.. ONLY FULL  
PRICE ACCEPTED**

Received from \_\_\_\_\_ \$ 55 total Date \_\_\_\_\_

Signed: \_\_\_\_\_ (USECA officer) Registrant's initials \_\_\_\_\_ Affirming the following:

I have read and understand my responsibilities to arrive on time @ embarkation points and the consequences of my failing to abide by the stipulations set forth in the registration I signed before receiving this receipt and hold USECA and it's members harmless as stated in my signed registration. **Save this receipt!!!**

**Mailed forms must be received no later than May 8<sup>th</sup> . Mail to USECA, PO Box 46331, Mt Clemens, MI 48046**

Dayton  
**Hamvention**<sup>®</sup>  
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Dayton Amateur Radio Association Since 1952



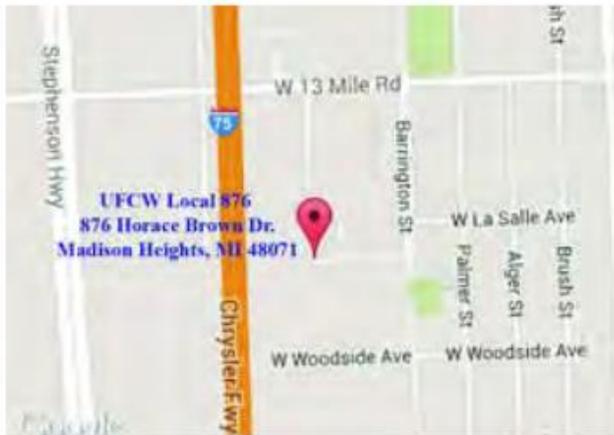


**Amateur  
Radio  
Club**

**1st Annual Technology Swap  
Sunday - April 29, 2018  
10:00 AM until 3:00 PM**

**\*\*\* HAM Radio, Computer & Robotic Maker's EXPO \*\*\*  
Madison Place Convention Ctr - 876 Horace Brown Dr - Madison Hts**

WW8GM - Talk-in 443.075 MHz + 123 Hz PL  
*ARRL VE Testing Session - 11:00 AM*  
 Tables \$15.00 (in Advance) • \$18.00 (at the Door)  
 Tickets \$5.00 (in Advance) • \$6.00 (at the Door)  
 Early Admission (9:30 AM) \$10.00 (in Advance only)  
**NEW for VENDORS!**  
**Vendor set-up time with paid admission**  
**April 29th 6:30 AM - 10:00 AM**



an ARRL Approved Hamfest

<b>PRIZES</b>	
<b>1ST</b>	<b>CASH PRIZE \$100.00</b>
<b>2ND</b>	<b>CASH PRIZE \$50.00</b>
<b>3RD</b>	<b>CASH PRIZE \$25.00</b>

E-Mail Address: [Swap@gmarc.org](mailto:Swap@gmarc.org)  
 Phone: Mike Carelli W8MJC (248) 835-9545  
**OnLine Ticket / Table Order: [www.gmarc.org/SwapInfo/](http://www.gmarc.org/SwapInfo/)**

**Note - VE Testing:** Show up between 10 AM & 11 AM. Bring \$14.00 cash, photocopies of existing licenses or CSEs (originals not accepted). Two pieces of ID are also required, one of which must have a photo. You must also provide either your Social Security number or FRN. Pre-registration is preferred but not required. Contact: Ron WD8MNX - [wd8mnx@gmail.com](mailto:wd8mnx@gmail.com).

Name \_\_\_\_\_ Call Sign \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Phone ( \_\_\_\_\_ ) \_\_\_\_\_ E-Mail \_\_\_\_\_  
 Tickets \_\_\_\_\_ @ \$5.00 \_\_\_\_\_ Tables @ \$15.00 \_\_\_\_\_ Enclosed \$ \_\_\_\_\_

Mail to: GMARC Swap -1853 Willowood Dr - Rochester Hills, MI 48307-4356

**TABLE RESERVATIONS MUST BE RECEIVED BY APRIL 1, 2018**

CQ MIQP CQ MIQP N8LC MIQP

## Michigan QSO Party

2017 & 2018



Still no results for the 2017 MIQP contest. On a happy note we are about 8 weeks away from the 2018 MIQP, April 21!. Club plans will come together soon!

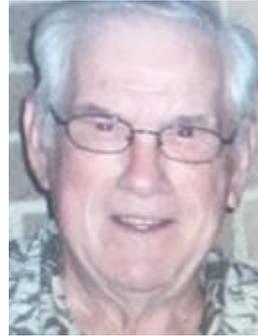
It's THAT time again. On March 11th we make the leap ahead to Daylight Saving Time. Don't forget to make the adjustment and remember the offset from UTC changes to -4 hours.



## K8MKA – SK

“Stag” was a former club member and friend of many of us, You can read the online obituary [HERE](#).

RIP K 8 “Michigan’s Kindest Amateur”



STACKPOOLE, ADRIAN A. Age 89, February 9, 2018. Loving husband of Cynthia Stackpoole of 62 years. Dear Father of Sharon (Rick) Crouchman, Greg, Gerard (d. 2017), Maureen Bayliss, Shawn (d. 2012), Glen (Cyndi), Jeffry and

Keith (Kim). Loving grandfather to Corey Bayliss, Sabrina, Alex, Hayley Crouchman, Hunter, Maxton and Scout. Adrian served in the U.S. Army. He worked at the Sterling Heights Ford Axle plant as a tool and die welder for 35 years. He loved hunting, fishing, camping, sports, woodworking, word search puzzles, and golfing. He was an Amateur Radio Operator and is now a silent key. A private memorial will be held for his immediate family in the Spring.

Published in The Oakland Press on Feb. 19, 2018

## Future Programs & Activities

Scott Hernalsteen, W8CQD — Activities Manager

- March 7, 2018 Regular meeting – Marvelous Promotions with samples for questions & orders
- March 14, 2018 Board meeting
- April 4, 2018 Regular meeting – MIQP in 17 days!
- April 21, 2018 Michigan QSO Party
- May 2, 2018 Regular meeting
- May 18 – 20, 2018 “Dayton” [Hamvention](#)
- 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]

## L'Anse Creuse ARC Board Members – 2018

**President**

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**VP and President-Elect**

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[n8pyn@yahoo.com](mailto:n8pyn@yahoo.com)

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 56312 Summit Dr  
 Shelby Twp, MI 48316-5855  
 (586) 677-3858  
[n6wy@arrl.net](mailto:n6wy@arrl.net)

**Activities Manager**

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

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](#)

03/18/2018 | [Toledo Mobile Radio Association Hamfest & Computer Fair](#)

**Location:** Perrysburg, OH

**Type:** ARRL Hamfest

**Sponsor:** Toledo Mobile Radio Association

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

[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](#)

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](#)

## 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
						Clem, W8VO	1st Thursday
						Wayne, WG8U	2nd Thursday
Thursday	0130	2030	2 M	FM	147.08+ MHz	Gregg, N8GEO	3rd Thursday
						Rose, K8VFR	4th Thursday
						Vince, WA8BIJ	5th Thursday

After March 11th, subtract 1 hour from the UTC Time for all nets to account for the change to Daylight Saving Time.

## 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

First  
Class  
Postage

L'Anse Creuse Amateur Radio Club

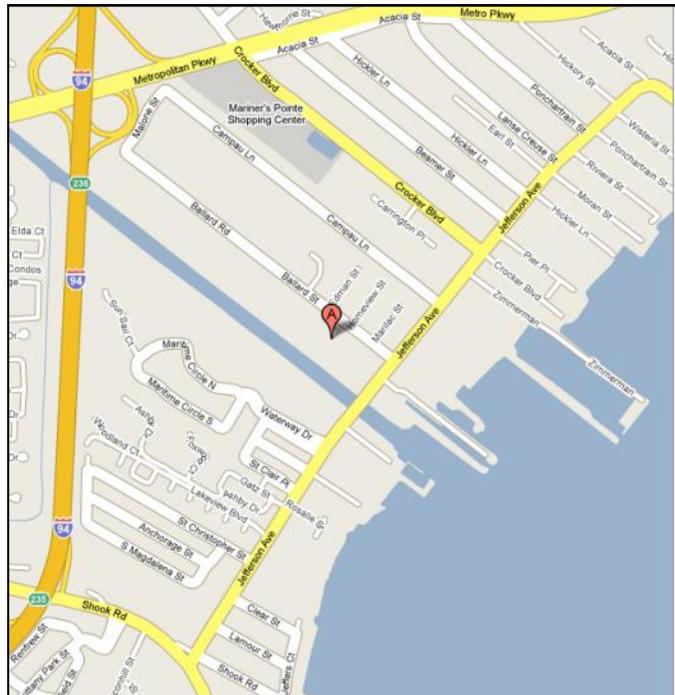
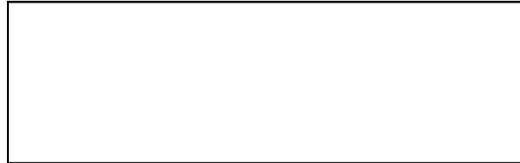
P.O. Box 180072

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.