



Randy revealing the mysteries of coax

What's Happening at LARC Meetings?

At the June meeting Randy, VA3OJ gave a talk on the vagaries of coax in its many permutations. He also included a bit of the history of coax and what type to use for particular installations. Another very interesting presentation put on by one of our members.

The September meeting is typically where we elect our slate of officers for the LARC for the upcoming year. It appears we have a President, Vice President, Secretary and a Treasurer already lined up so you can actually show up at this one and probably not be elected to anything. Unless you want to be elected to something ;-). Hope to see you at the College this Thursday, September 8th at 7:30 PM.

The other thing that happens at the September meeting is the collection of dues. The LARC has ongoing expenses to continue functioning as a club, we pay room rental to the College for using the room. If you're using a LARC repeater we pay for insurance to protect the club from liability issues. If your participating in a public service event and the trailer is deployed it requires occasional maintenance. Also if you're helping in a public service event you may not be covered by the clubs liability insurance. Some folks think they only get

Hi-Q and it costs nothing to produce so why should I pay dues for something that costs nothing. It also has a value of keeping you informed of club activities. So I hope you will consider ponying up your LARC dues this year as it's our only source of income. Thanks.

We are always looking for speakers so if you're puttering with something, have a new toy or a better way to do something let one of the executive know and we will slot you in. There's lots of time before next June, 2017. The Executive has made a concerted effort this year to make the meetings interesting and with a variety of topics. We hope you can come out and support your fellow LARC'ers and guests.

Arduino for the Beginner

One of the lists I subscribe to is the QRP List, which is probably no surprise to most of you. A few weeks ago Doug Hendricks, KI6DS sent the following post below. Doug is the editor of the new QRPp Ezine and a well known promoter of all things technical for Amateur Radio. I was immediately interested and started to order parts which are now on the way to me via a very, very slow boat. The amounts below are in US dollars so the total should be about \$13 Canadian. I am hoping there may be some of you who want to join me in this learning experience and we can turn it into a group build. As a bit of an inducement I've ordered two of all the parts listed below and will raffle off one set at the October meeting, the only requirement to enter is to be a paid up member of the LARC and in attendance.

There are a couple of easy hoops to jump through, the first is to join the NorcalQRP Yahoo group, follow the following hot link so you can access the tutorials: <https://groups.yahoo.com/neo/search?query=norcalqrp>

The following link is to a good starter tutorial on the Arduino Uno, which is a bigger brother to the Nano, and a special tip of the hat to Cory, VE3ZCV for the heads up on this one: <http://www.toptechboy.com/arduino-lessons/>

And of course you can always go to the horse's mouth, the Arduino site for loads of info: <https://www.arduino.cc/>

LARC SENATE

Robert Hansen VE3RVA
 Dave Kimpton VE3AVS
 Laurie Bridgett VE3BCD
 Terry Stewardson VA3LU
 Ed Baumann VE3SNW

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President

Randy Gottfred VA3OJ

Vice President

Robert Hansen VE3RVA

Treasurer

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Secretary

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LARC Emergency Coordinator

Brad Harris VE3MXJ 767-0628

ARES District Emergency

Coordinator

vacant

CANWARN

VA3JMS John 767-3631

VE3MXJ Brad 767-0628

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ABOUT US

The Lakehead Amateur Radio Club (LARC) is an incorporated not for profit group of amateur radio operators in the Thunder Bay area that meet for self education, community service and fellowship. Our meetings are the second Thursday of the month at room 191 McIntyre Building, Confederation College, 7:30 PM. Our postal address is 1100C Memorial Ave. Suite 184, Thunder Bay, Ontario P7B 4A3. This newsletter is published monthly except for July and August by Ed Baumann VE3SNW and questions and submissions may be emailed to hiqnewsletter@gmail.com

Nets in the Thunder Bay Area

Sunday AMETHYST ARES VHF NET, on VE3TBR 146.820- pl 107.2 IRLP Ref. # 9031 @ 0045Z (7:45 pm), also Cook County ARES Response Team (CARRT) net at 0100Z (8 pm) on the BWARC repeater, Grand Portage repeater - 146.655 with CTCSS 151.4

Monday SATERN NET on VE3TBR 146.820- pl 107.2 IRLP Ref. # 9032

SATERN DIGITAL NETS on **Monday & Wednesday** nights

8 pm- 14.065

9 pm- 7.065

10 pm- 3.5835

Mode :Olivia 8/500 1000Hz waterfall centre

Every Day The NORTHWESTERN ONTARIO ARES NET , every evening at 8:15PM (local) on 80m 3.750Mhz (note the time does not change with daylight savings time.)

Any questions on these or other nets please feel free to contact me at my e-mail: ve3mxj@rac.ca

LARC OPEN ACCESS REPEATERS

VE3YQT(Mount Baldy)147.060 (-600)

VE3TBR (St. Joseph's) 146.820 pl 107.2

442.075 (+5 MHz)pl 100

144.390 APRS

VE3UPP Upsala 145.470 (-600)

Here is the actual post from Doug to the QRP-L:

I am thrilled to announce that Jack Purdum, W8TEE will be writing a series of articles for QRPp on "Arduino for the Terrified". Jack is the author of "Beginning C for Arduino" and co-author of "Arduino Projects for Amateur Radio". The series is going to be a series of experiments and projects that go along with the text. In order to follow along with the article you will need the following:

Nano - (make sure you get the Arduino Nano, not the Nano Pro Mini. The correct one has a mini usb connector on board.) EBay item number 141975930194 or similar \$2.35

Nano Proto Board - EBay item number: 291841126495 or similar: \$1.62

LCD Display - EBay item number: 221439853893 or similar: \$2.98 (Make sure it is HD44780 and I2C compatible)

Dupont Jumpers - EBay item number:

Female to Female 351787051213 or similar \$.99

Male to Male 272252691036 or similar \$1.07

Male to Female 141988001226 or similar \$.99

That adds up to \$10.00 for a course in how to get started using Arduinos. I asked Jack if he would be willing to write this series of articles, because, I am clueless when it comes to programming and using Arduinos, yet I know there are a lot of uses for it in ham radio. The next issue is coming out on Sept. 6th. Get your eBay orders off today. I just ordered all of the above and it worked fine. If you find that the source is no longer available do a search for a similar item on eBay.

The Arduino was designed in Italy so "cerchiamo di conoscere L'Arduino, Ciao, Ciao".

*XT with a little help from the resident linguist.

Minutes for the Lakehead Amateur Radio Club

Date: June 9, 2016

President, Randy Gottfred VA3OJ Presiding.

Guest Speaker:

Randy Gottfred VA3OJ "All you ever need to know about COAX!"

Treasurer's Report: Bill Unger VE3XT

Bill Unger VE3XT moves to accept the report as printed in Hi-Q. Seconded by Doug Mc Cormick VE3EFC. Passed Unanimously.

Minutes of Previous Meeting:

Karl Hamilton VE3RRP moves to accept the previous meeting's minutes as printed in Hi-Q. Seconded by Bob Hansen VE3RVA. Passed.

Old Business:

Public Service (John Sacek VA3JMS public events coordinator)

Past Events:

10 Mile Road Race: Norm VE3XRC

Upcoming Events

CAN AM Police and Fire Half Marathon Sun July 24.

Conquer the Dog Saturday August 20

Xterra Saturday August 27

Hymers – is booked and paid

CANWARN John Sacek VA3JMS

CANWARN Meeting: Monday June 13 – Thunder Bay – 7 PM – Lakehead Conservation Authority, 130 Conservation Rd.

ARES Brad Harris VE3MXJ Thunder Bay EC

23 Responses from membership letter. About 75% are existing members. Phone tree is being updated. Oliver-Paipooonge exercise is June 22.

ARES will have a net monthly on VE3YQT at 7 PM on the last Monday.

Net: Daily NW ON HF 3750 Khz, 8:15 ET if an operator is available

Repeater News

Randy Gottfred VA3OJ,

Terry Stewardson VA3LU

No News

Club Trailer:

Bob Hansen VE3RVA

No News

Field Day

The membership wanted to go to a single log page for each mode/Band.

On battery power @ VA3OJ. Budget=\$250

Pot luck with main dish by Randy

Karl and Brad will do paperwork.

Set-up Friday night at 6:30 PM

New Business

No new Biz.

50/50 Draw: no draw tonight

Adjournment moved by: John Sacek VA3JMS

Next Executive Meeting: September 1, 2016, 7:30 PM, RM 213

Next LARC Meeting: September 8, 2016, 7:30 PM, RM 214

Lakehead Amateur Radio Club

June, July & August 2016 Treasurers Report

Balance June 1, 2016 \$1,041.01

Income

June 50/50 \$5.00
 Surplus Funds from LARC Course, June 23 \$45.00
Total Income \$50.00

Expenses

Dinner Speaker Honorarium, June 15, 2016 \$25.00
 Hymers Registration, June 21, 2016 \$92.00
 Service Charge, June 30, 2016 \$0.50
 Field Day Food, July 19, 2016 \$72.65
 Field Day Lavatory Services, Green For Life, August 29 \$124.30
Total Expenses \$314.45

Balance August 31, 2016 \$776.56

<u>Trailer Account</u>	
Previous Balance	\$138.39
<u>Income</u>	
Interest May, June, July & August (\$0.01 x 4)	\$0.04
Total	\$138.43
<u>Expenses</u>	
Total Expenses:	\$0.00
Balance in Trailer Account	<u>\$138.43</u>

Term Account

June 01 2016 Balance \$2,051.89
 Interest, June, July & August, 2016 (\$0.68 X 3) \$2.04
August 31, 2016 Balance \$2,053.93

**Bill Unger VE3XT
 Treasurer**

Coast to Coast Canadian Amateur Classifieds

Aaren Jensen, VA7AEJ, has just launched RASwap.ca - Radio Amateur Swap Canada . It is a coast to coast Canadian classified ad site just for ham radio gear. Think of it like Craigslist or Kijiji without the used cars and old refrigerators. A one stop shop to list your For Sale or Wanted items. Accounts are free and the classified ad's are free to post. Access is limited to Canadian Amateurs (via their call sign at registration). Shop without having to ship across international borders (no customs and duty fees) and all items are listed in Canadian dollars.

<https://raswap.ca/>

<http://www.skyandtelescope.com/astronomy-news/1967-solar-storm-nearly-took-us-soviets-brink-war/>

Emergency Response for Hermine from the ARRL

[UPDATED: 2016-09-03 @ 16:41 UTC] Amateur Radio Emergency Service (ARES) and weather-spotting volunteers remain ready if needed, as Tropical storm Hermine continues to make its way up the US Eastern Seaboard. Some strengthening is forecast after the center moves offshore, and Hermine could be at near-hurricane intensity by September 4. A category 1 hurricane when it came ashore along Florida's northern Gulf Coast, Hermine was downgraded to a tropical storm at 0842 UTC. The Hurricane Watch Net (HWN), which activated to gather ground-level reports on the storm as it approached landfall, now has secured after 19 hours of continuous on-air coverage. The net now is at Alert Level 2 — monitoring mode. “[M]embers of the Hurricane Watch Net, operating under tough band conditions on 20 and 40 meters — mainly caused by a geomagnetic storm — transmitted advisories on Hermine to the affected area and received numerous weather reports — observed and measured,” said HWN Manager Bobby Graves, KB5HAV. “Those reports were then forwarded to the National Hurricane Center by way of WX4NHC.” Farther up the coast, the ARRL New York City-Long Island Section has been alerted to a Tropical Storm Watch. “We are in a monitoring mode at this time,” ARRL N-LI SEC Jim Mezey, W2KFV, said on Friday. “All Districts have been asked to check their equipment and their availability.”

Connecticut ARES also has gone on a Level 1 alert. “There is a lot of uncertainty in the forecast as to the impacts this storm is likely to have on our area, but we should be prepared for whatever it brings,” Connecticut SEC Wayne Gronlund, N1CLV, said. “Please maintain good situational awareness as this storm moves up the coast by watching/listening to your preferred weather forecast sources.” Gronlund advised Connecticut ARES members to be ready to assist by ensuring that radio batteries are charged, vehicles and generators are fueled.

“Now is the time to make preparations to keep your family safe should you be asked to deploy,” he said. “Remember, you should not deploy without direction from the appropriate ARES or local official.”

According to FEMA at 12:30 UTC, mandatory evacuations were ordered in Florida for five Big Bend counties, and voluntary evacuations in three others. Upward of 300,000 customers were reported without power, and Amtrak suspended rail service on Thursday in the US Southeast.

As of 1500 UTC on September 3, Hermine was about 35 miles east-southeast of Duck, North Carolina, and some 80 miles southeast of Norfolk, Virginia, with maximum sustained winds of 65 MPH. The storm is moving to the east-northeast at 15 MPH.

Tropical storm-force winds extend outward for up to 185 miles, and tropical storm warnings and watches are in effect along the East Coast. The storm resulted in evacuations and flood damage, and a dozen or so structures were damaged due to possible tornado activity. There have been reports of downed trees and power lines throughout the affect areas. The NWS said interests along the US northeast coast should monitor the progress of the storm, which could generate significant rainfall and the potential for flooding.

Graves noted that the last major hurricane to strike the US was Hurricane Wilma in 2005. He thanked daily users of the net's frequencies — 14.325 and 7.268 MHz — for their cooperation in keeping a clear frequency.

“The Hurricane Watch Net will be prepared for the next hurricane to threaten land in the Atlantic Basin,” he added.

September 2016

Mon	Tue	Wed	Thu	Fri	Sat	Sun
			1	2	3	4
5 <small>Labor Day</small>	6	7	8 LARC Meeting at Con College	9	10 Kulikovo Polye Contest	11 North American Sprint CW
12	13	14	15	16 AGB NEMIGA Contest	17 QRP Afield?	18 Washington State Salmon Run
19	20	21	22	23	24 Texas QSO Party	25 Peanut Power QRP Sprint
26 ARES Net on VE3YQT @ 1900 EDT	27	28 UKEICC 80m Contest	29	30		