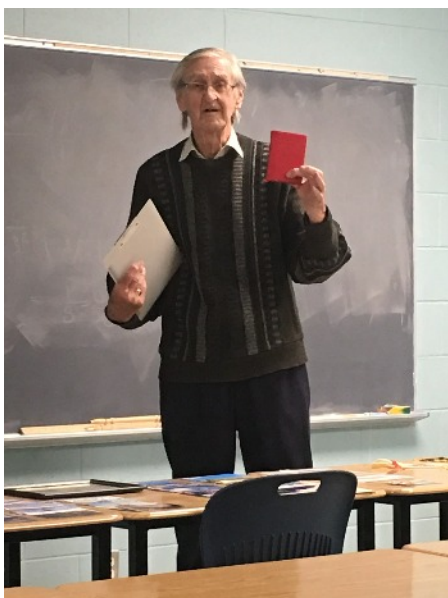


Thunder Bay, Ontario

Volume 84

November 2018

Issue 9



What's Happening at LARC Meetings

Bill VE3XT

There is an old adage in Amateur Radio that a QSL is the final courtesy to a QSO. The most courteous person in the LARC must be Mike, VE3HZW.

Mike has collected QSL's from before he was an Amateur as a SWL. As an Amateur he has QSL's from all over the world from ships to special events commemorating pretty much every event know to men.

Mike brought an impressive collection representing a small portion of his extensive collection of QSL cards and memorabilia of radio SWAG collections. How many of you have a copy of Mao Tse Tung's little red book or a pennant from multiple radio stations?

Mike's presentation was one that took me down a radio history lane of days before Log of the World and EQSL. Maybe we're farther ahead? Thanks Mike for a truly great presentation.

The November meeting will be at the McIntyre building at Confederation College on Thursday, November 8 at 7:00 PM. Hope to see you there.

As mentioned earlier if you are doing something interesting please contact a member of the executive and we can schedule you into a meeting for a demo.

Tnx 'XT

Members Get Cabled Up

Randy VA3OJ

I hope this news letter finds you all in good health and that everyone survived the sugar rush from Halloween. There have been some busy days in the radio world here in Thunder Bay. We were fortunate to be able to recycle some 7/8 heliax from a tower job that was happening in town. We got approximately 1000 feet of cable that members of the club helped to lower to the ground. For our help, we got the cable, connectors and all of the cable clamps to use for our referb of the cable at YQT. As you remember, YQT went dead during the ice storm that damaged our cable at the antenna. We were fortunate that other work was being done at the tower site at that time and we were able to piggyback our repair with the other repairs that was happening on the tower.

I would like to thank the members of the LARC that came out to help with the cable removal and they are: Cody VE3CHM, Bill VE3XT, Karl VE3RRP, Glen VE3ICY and Chris VA3TBA for volunteering the time and much needed help in the wet and windy conditions. Both Cody and I will attest to the strength of the wind pulling on 400ft of heliax. Parasailing was not on our agenda that day but it did happen. Once the cable was on the ground, the troops quickly rolled and tied the cables and loaded it for transport. It amazes me that all of this cable was headed to recycle in little pieces.

Special thanks go out Joe and his climbing crew for helping to remove the cable in terrific shape and his thanks to our guys for being such a great ground crew.

Now my thanks goes out to the members that is any way helped and gave of their time to save us some hard to come by cash and ensuring that YQT will be there when we need it after the repairs

Thanks for your ears, 73's



LARC SENATE

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

LARC EXECUTIVE

President: Randy Gottfred VA3OJ
Vice-President: Bob Hansen VE3RVA
Treasurer: Bill Unger VE3XT
Board Member: Mike Skillen VE3EDX
Board Member: Mark Vaillant VA3MVR
Board Member: Brad Harris VE3MXJ

LARC Emergency Coordinator

ARES District Emergency Coordinator

vacant

CANWARN

VA3JMS John 767-3631
VE3RRP Karl

Public Service Events

VA3TBA Chris Chadwick

Accredited Examiners

VE3FAL Fred Lesnick 577-0789
flesnick@tbaytel.net
VE3VAI Lori Bedford 622 – 6386

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 214 McIntyre Building, Confederation College, 7:00 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



LARC OPEN ACCESS REPEATERS

VE3YQT(Mount Baldy)147.060 (-600) Phone Patch

VE3TBR (St. Joseph's) 146.820 pl 107.2

442.075 (+5 MHz)pl 100
144.390 APRS

VE3UPP Upsala 145.470 (-600)

Winter is a Coming!

Randy VA3OJ

I sit at the computer in the warmth of the shack, it is snowing outside. I am not sure if it going to stay but it seems that winter is nipping at our heels. I am sure that it will encourage William ve3xt to come forth at the meeting and show us how working qrp cw greatly enhances your lung capacity.

During this month, we will have the opportunity to remember the veterans that have served our country during time of war. I had several members of my family serve overseas and I am very thankful that they all returned. Many of the others did not and paid the ultimate price for the liberties that we have today.

One of the other things that makes a good reminder that winter is coming is the bad driving conditions that we get in our area. Road conditions change very rapidly around here and it a good idea to carry some supplies in your car in case you get stranded. A bag of kitty litter will help to get some traction on slippery roads. Windshield washer fluid will help to keep your windows clean and help to cut through frost and ice. A warm blanket or two will help to keep you warm if you have to wait on the side of the road or be useful to accident victim to help them from going into shock. Candles are useful as a source of heat. I have put a large candle into a tomato can and the heat from the flame will heat the tin and provide a handwarmer. Caution should be used with candles and do not leave it unattended. It also holds the wax from getting everywhere. Extra clothes are a good thing if you plan to travel on the highway. A shovel is very important as you might have to dig yourself out of a snow bank. The list goes on and on and I am sure that most of you have this gear ready and are prepared for the best that winter has to offer. There is one thing that comes to mind and I have shared this with my family. If you know that you might have ice or snow on your vehicle in the morning, leave your scraper/brush on top of your front wheel inside the fender and it will allow you a chance to be able to get into your vehicle if the door is frozen or covered in snow. Last but not least, carry a spare set of keys in a pocket or purse just in case you drop your keys in the snow.

I hope everyone has a safe winter behind the wheel and take your time and arrive alive.

Spray-On Antennas Could Be the Wave of the Future

via Karl VE3RRP

Researchers at Drexel University's College of Engineering report a breakthrough in nanomaterials technology that promises to make installing an antenna as easy as applying sunblock or bug spray. The advance could mean wearable and invisible antennas that could find their place in the next generation of the Internet of Things (IoT), and even have Amateur Radio applications.

The announcement laid out a method for spraying invisibly thin antennas made from a type of two-dimensional metallic material called MXene -- a conductive, two-dimensional titanium carbide material -- which can be dissolved in water to create an ink or paint. The exceptional conductivity of the material enables it to be employed as an RF radiator, even when applied in a very thin, nearly invisible coating. The MXene antennas perform as well as those now being used in mobile phones, wireless routers, and other devices. In addition, the MXene materials were shown to be 50 times better than graphene and 300 times better than silver ink antennas in terms of preserving the quality of RF transmission.

The thinnest antenna was as thin as 62 nanometers -- about a thousand times thinner than a sheet of paper -- and it was almost transparent.

Unlike existing nanomaterial fabrication methods that require several steps, the Drexel research team's spray-on antennas can be fabricated in a single step by air-brush spraying a water-based MXene ink.

-- Thanks to DrexelNow



**Ham Radio
ROCKS!**

November

Minutes for the Lakehead Amateur Radio Club

Date: October 11, 2018

President, Randy Gottfred VA3OJ Presiding.

Guest Speaker:

Mike Wolowich VE3HZW talked about his special event qsl cards.

Membership Tiers: now have \$50, \$100, \$200 tiers.

Regular membership is still \$35.

Coffee Break, Socializing 15-30 minutes approx.

Treasurer's Report: Bill Unger VE3XT

Bill Unger VE3XT moves to accept the report as printed in Hi-Q. Seconded by

Brad Harris VE3MXJ. Passed Unanimously.

Minutes of Previous Meeting:

Karl Hamilton VE3RRP moves to accept the previous meeting's minutes as printed in Hi-Q. Seconded by Chris Chadwick VA3TBA. Passed.

Old Business:

Public Service (Chris Chadwick VA3TBA public events coordinator)

New Event:

Sled for Eternity is in support of Adult and Teen challenge. Coming up February 2. It is a snowmobile run west of Kakabeka in need of communications. LARC will investigate the situation and see if we can help.

Past Events:

None since last meeting

Upcoming Events

Santa Shuffle December Bob Hansen VE3RVA

CANWARN John Sacek VA3JMS

No news

ARES

The Thunder Bay area coordinator position is vacant, and waiting for a volunteer to fill.

Repeater News

Randy Gottfred VA3OJ,

Terry Stewardson VA3LU

Coax take down and rollup scheduled for Tuesday 16th at Rabbit Mountain.

There is a new repeater on an island in south Superior, WI.

There is a new solar powered repeater located north of Dryden on 146.94 tone 123

Club Trailer:

Bob Hansen VE3RVA

Correction to last month's minutes: Vulcan Fire and Safety sponsorship is \$500 per year, with a commitment for 3 years.

The trailer has been winterized and will be stored ~~2018~~ 2018 VE3RVA's place again this winter.

LARC Revitalization: 20/20 (Randy Gottfred, VA3OJ)

LARC Board (Mark Vaillant VE3MVR) is actively looking for a space suitable for a LARC meeting/station room.

Randy McAllister mentioned the idea of a club brochure. Bob VE3RVA has a paper brochure. We have yet to find one on the RAC website.

It was suggested we restart the VHF digital net.

New Business

Meeting Format change: comments? General consensus was positive.

Suggested Speakers/Topics:

1. Hydro to talk about how hydro is sourced/distributed in the city.
2. 5 minute talks from members about their stations and activities
3. TBayTel Tech Talk on city communications
4. Talk about conducting Moonbounce communications
5. Randy McAllister talk on Astronomy photography

Public Events:

Club should have a document that outlines what we expect from an organization that we are going to help. Passed to the executive to implement.

Also passed to executive: Does having a sponsor sandwich board constitute a commercial business activity?

50/50 Draw: Lindo Scalse VE3NHX

Adjournment moved by: Chris Chadwick VA3TBA

Next Executive Meeting: November 1, 2018, 7 PM, RM 213

Next LARC Meeting: November 8, 2018, 7 PM, RM 214

Geomagnetic thunder? Auroras caught making noise

Karl VE3RRP

For centuries, people inside the Arctic Circle have reported hearing strange hissing and popping sounds under the Northern Lights. Evidence is mounting that at least some those auroral sounds are real.

On Oct. 7th, a researcher in southern Finland recorded some during a G1-class geomagnetic storm -- the latest in a series of detections by the long-running Auroral Acoustics Project.

Visit Spaceweather.com to hear a sample "geomagnetic thunderclap."

Lakehead Amateur Radio Club

September 2018 Treasurers Report

Opening Balance October 1, 2018	<u>\$1,301.02</u>
<u>Income</u>	
October 12, Memberships	\$415.00
October 12, 50/50	\$12.00
October 12, Trailer Donation	\$500.00
Total Income	<u>\$927.00</u>
<u>Expenses</u>	
October 12, Trailer Donation to Trailer Account	\$500.00
October 31, Cheque Imaging Fee	\$2.00
October 31, Fixed Charge Amount	\$1.80
Total Expenses	<u>\$503.80</u>
Closing Balance October 31, 2018	<u>\$1,724.22</u>

<u>Trailer Account</u>	
	Previous Balance
	\$563.78
<u>Income</u>	
Donation	\$500.00
Interest	\$0.04
Total	\$1,063.82
<u>Expenses</u>	
Total Expenses:	\$0.00
	Balance in Trailer Account
	<u>\$1,063.82</u>

Term Account

Opening Balance October 01 ,2018	\$2,062.75
October Interest	\$0.42
Closing Balance October 31, 2018	\$2,063.17

Bill Unger VE3XT
Treasurer

RAC Welcomes Directors for 2019

Each year, the terms of office of roughly half of our Directors end – four in even numbered years and three in odd numbered years.

We have now completed the nominations and election process for Directors in the Atlantic, Ontario North/East, Midwest, and British Columbia and Yukon Regions.

I am happy to announce that Dave Goodwin, VE9CB (Atlantic), Allan Boyd, VE3AJB (Ontario North/East) and Bj Madsen, VE5FX (Midwest) have been reelected as Directors for their Regions.

Keith Witney, VE7KW, has been elected Director for the British Columbia and Yukon Region and will take office on January 1, 2019.

Allan Munnik, VA7MP, the current Director will become Deputy Director BC and Yukon when Keith becomes the Director.

Many of you will be very familiar with Keith as he is a very active BC Amateur and is the co-recipient of the RAC Amateur of the Year Award for 2017.

Keith is based in the Vancouver area and Allan is now in the Okanagan so we will have a strong team in British Columbia and the Yukon.

Glenn MacDonell, VE3XRA
RAC President and Chair



**There is still 50 days until
Christmas**

RAC President Glenn MacDonell, VE3XRA, is in Washington, DC attending meetings for the Amateur Radio on the International Space Station (ARISS) program.

On October 15 and 16, the meetings are devoted to an ARISS-US Education Summit during which individuals share their experiences using ARISS contacts to stimulate an interest in Science, Technology, Engineering and Mathematics (STEM) among students.

Many of the participants at the meetings are teachers and they are joined by ARISS-US officials and the delegates to the ARISS International meeting that is taking place this Wednesday and Thursday, October 17 and 18. Glenn is representing Radio Amateurs of Canada and another Canadian delegate Chet Latawiek, VE3CFK, is representing the Radio Amateur Satellite Corporation (AMSAT).

For more information please visit:

<https://wp.rac.ca/rac-president-glenn-macdonell-ve3xra-attends-ariss-us-education-summit-in-washington/>

For more information on ARISS please visit:

<http://www.ariss.org/>



From Al and Jan - snippets from the web

<https://www.dailymail.co.uk/sciencetech/article-6287289/Weather-forecasts-SPACE-help-protect-solar-flares.html>

<https://www.cbc.ca/news/canada/new-brunswick/ham-radio-workshop-sackville-1.4859729>

<https://www.eham.net/articles/42054>



November 2018

Mon	Tue	Wed	Thu	Fri	Sat	Sun
			1	2	3	4
5	6	7	8 LARC Meeting Confederation College McIntyre Bldg at 7pm	9	10	11 Remembrance Day 
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		