

Next Meeting!

Thursday September 14 2023, 1900 hrs at the Royal Canadian Legion Branch 5 located at 229 Van Norman Street (between Court and St. Paul)

Arecibo Observatory (Puerto Rico) Officially Shuts Down

The Arecibo Observatory, which suffered catastrophic damage to its 305-meter telescope in 2020, has officially shut down all research efforts as of August 14th. Since the collapse of the main telescope, the US National Science Foundation (NSF) had intended to convert the facility into an educational research center, but doubts have risen whether that plan will pan out.
-- Nature.com article

RAC Welcomes New Ontario North/East Region Director

Radio Amateurs of Canada would like to congratulate **Craig Delmage**, VE3OP/VE3KKU, on his election as RAC Director for the Ontario North/East Region.

Craig was elected by the members of the region and will take office immediately to complete the two-year term ending December 31, 2024.

Welcome aboard Craig!

-- Phil McBride, VA3QR/VA3KPJ, RAC President and Chair

VE3TBR and ALLSTAR

James St. Cyr VE3OPD

I can report that our new TBR repeater and Allstarlink has been chugging away over the summer and several nets have been heard on Sundays. We have been leaving the TBR node on the VE3URU hub that links a good portion of the GTA and the Muskoka areas as well as our friend Bruce VE3BV and the Parry Sound group. John VE3OTI put us onto the node advising that contacts he works through his 40m daily net are linked up through URU. We still have work to do on TBR including an additional fan, proper range testing and a very nice and factory tuned Receiver Pre Amp from ICS Controllers. Angle Linear would have been our preferred choice but they have closed after a good run of more than 40 years. We also have some networking issues to rectify as we had a crash of our Vlan during a changeover so things were just left as is pending cold weather and time to spare up at the site. Kevin VA3SID is very busy during the summer so this will be a late fall project to add to the list. We hope that everyone will enjoy using the repeater.

The 3rd Masonic Lodges on the Air (MLotA), Saturday, September 23, 2023

The event is open to all amateur radio operators. The idea for the event grew from the realization that many Freemasons also have a love for amateur radio. The Fulton County Amateur Radio Club and Ohio's Fulton Lodge #248 first hosted the event in 2021. The mission is to promote fraternal bonds within the ranks for Free and Accepted Masonic lodges and its many amateur radio operators, who are also brothers in the fraternity while encouraging contact with amateur radio operators around the state, county and world. The event will take place from 10:00 AM - 6:00 PM ET, on 80 - 40 - 20 - 15, and 10 meters SSB. Amateur radio participants are asked to honor all band plans, and all contacts must be on the phone portion of the bands. Stations may be contacted once on each band. Complete contest rules and more information can be found at cqmorelight.com/rules.

-- ARRL Letter

LARC SENATE

Dave Kimpton VE3AVS
Lindo Scalese VE3NHX
Terry Stewardson VA3LU
Ed Baumann VE3SNW

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 postal address is 1100C Memorial Ave. Suite 184, Thunder Bay, Ontario P7B 4A3. = questions and submissions may be emailed to hiqnewsletter@gmail.com

LARC EXECUTIVE

To be announced

**Amethyst District Auxiliary Communications Service
Providing emergency communications
for Northwestern Ontario**

This is a list of the ACS frequencies in order of preference, number 1 being the first choice, if that frequency is in use or not working as in a repeater, then number 2 is the next choice, and so on,,,,,,,,,

VHF

1. 147.060- VE3YQT (MT.BALDY)
2. 147.390+ VE3BGA PL107.2 (LOCH LOMOND)
3. 146.820- VE3TBR PL107.2 (ST.JOSEPH HERITAGE)
4. SIMPLEX 146.520 > 146.580 > 146.550

HF

RAC ACS Canadian National Emergency Frequencies

1. 80M 3.675MHz LSB designated as ALPHA
2. 40M 7.135MHz LSB designated as BRAVO
3. 20M 14.135MHz USB designated as CHARLIE

Nets and Exercises

Wednesdays at 8 PM ET (2000hrs) 0000UTC on frequency 3.675MHz LSB (80 Metres)

We have four different net control operators across NWO. At the end of check in's we try and do some sort of exercise, winlink P2P, JS8 CALL, passing messages. Everyone is encouraged to check in, even if you are not an ACS or LARC member.

TBay Emergency Coordinator

Brad Harris VE3MXJ

ACS Amethyst District Emergency Coordinator

Warren Paulson, VE3FYN

Accredited Examiners

VE3FAL Fred Lesnick 577-0789

flesnick@tbaytel.net

VE3VAI Lori Bedford (807) 630-

7688 lbedford@tbaytel.net

September Executive Says September 2023

2023

Hello to everyone and I trust that it was an enjoyable and productive summer for all. The weather co-operated and allowed for numerous outdoor activities and projects to proceed. The bugs lingered on well into the end of July but nothing like June in our rural areas.

Our Executive has dwindled that much more as Axle VE3OPF has fallen very ill and will be closing his store and retiring at his home QTH in Murillo. He will be sadly missed from our Executive and all the leg work, paperwork, internet searches and document print outs and general logistics that allow for a smooth and informative operation of the club. We are also very appreciative of his hospitality in offering work space, free electricity, heat, bottled water, popcorn and snacks for our productive Workbench and classroom space at VE3FRH. Several LARC members have stepped up to the plate to assist Axle and his family during this time of dire need to move stuff and complete projects for dry storage out at the family QTH.

I would personally like to thank Randy VA3OJ, Lindo VE3NHX, and all the other volunteers that have been assisting. I personally pulled out all the stops and showed up with a crew of 3. I would ask that if anyone has a free moment to spare or just wants to share our ham esprit de corps that they reach out to Axle or Gwen as I know it will be appreciated.

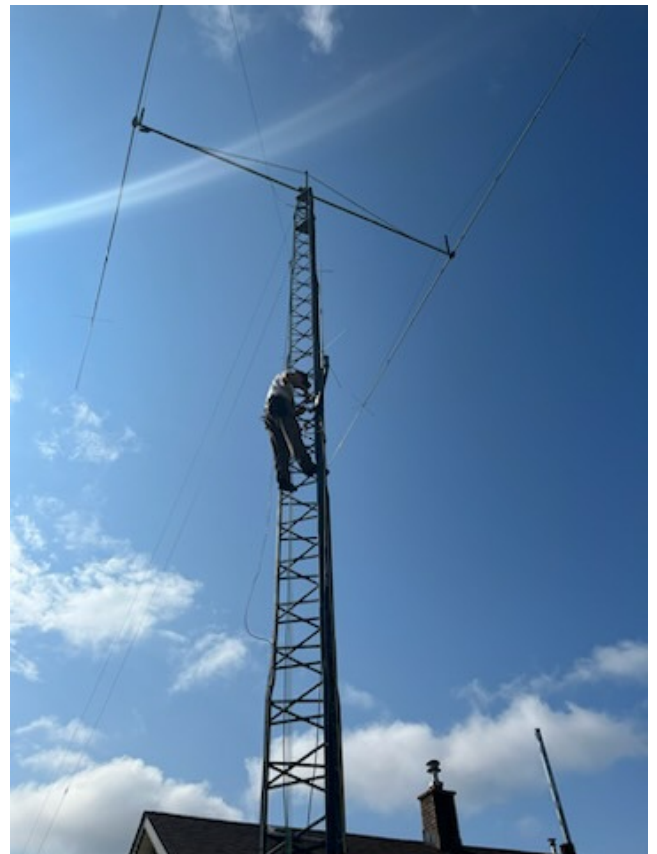
Gail Hansen has reached out to the Executive about the removal of the club trailer. Accordingly with the help of VE3WRL and VA3ZU the trailer has been safely moved out to my acreage and the plate removed and returned to MTO. A disposition of the trailer can be discussed at the next club meeting but at present it is store on plastic tarps on level ground and the wheels will be removed and the trailer blocked up to keep the weight off the suspension and give them a rest. The trailer is presently being used to store cable and feedline pieces donated by Westover. Samples will be brought to the next club meeting for those wish to acquire some for projects.

On the the matter of the **next meeting, it will be held next Thursday September 14 2023, 1900 hrs at the Royal Canadian Legion Branch 5 located at 229 Van Norman Street** (which is basically at the corner of Court Street and Van Norman). There is ample parking in the vicinity and adjacent to the building. This will be a meeting to elect a new Executive for the 2023/2024 year. We were unable to find any volunteers for a nominating committee and a canvass of potential candidates has not provided any names that wish to stand.

Randy VA3OJ was personally asked if he would like to take on the role of President but respectfully declined as he has many irons in the fire with his own projects and work scheduling that take him all over NW Ontario and the far north. Randy has graciously offered his continued support of participation in the Technical Committee and of course his work co-allocated operation of VE3BGA.

To that end we will find out at the next meeting who is interested in being part of the Executive. VA3WRL has agreed to another term as a Director and VE3NHX is pondering the role of Director as well. We should have a print out of a financial statement for the upcoming meeting and any correspondence to date. Hope to see everyone at the meeting and we discuss in detail the happenings of the club.

Sincerely
James St. Cyr VE3OPD per
LARC Executive



VE3OPD climbing on VE3OTI's tower, getting ready for the next season.

IARU Approves two Digipeating Amateur Satellites

The International Amateur Radio Union (IARU) has coordinated two European digipeating satellites that are scheduled to launch in fall 2023. Slovakia's satellite Veronika, a 1U CubeSat, is scheduled for launch on a Falcon 9 launcher on the Transporter 9 mission in October 2023. The satellite will be equipped with a 24/7 digipeater on two different bands, as well as experimental slow-scan digital video (SSDV) transmissions. The satellite will be equipped with a novel Attitude Determination and Control System (ADCS) subsystem, including electromagnetic actuators and a global navigation satellite system (GNSS) receiver. This will also help to identify the satellite during the first days and weeks of orbit. Altogether, Veronika will provide: AX.25 telemetry, a CW beacon, a digipeater, AX.25 and CW messages, experimental SSDV transmissions, SatNOGS integration, a decoder, and a dashboard. A downlink on 436.680 MHz has been coordinated, and it will use 9k6 G3RUH AX.25 and a CW beacon. A SpaceX launch on the Transporter 9 mission will send the satellite to a 500/600-kilometer polar orbit. The Romanian Federation of Amateur Radio (FRR) is preparing the ROM-3 for launch in

October or November 2023. ROM-3 is a 50 x 50 x 100-millimeter picoSAT with three missions and objectives. Its primary mission is to act as a digital amateur radio repeater. Its secondary mission is to transmit low-resolution SSDV images in a Gaussian frequency shift keying (GFSK) mode. The tertiary mission is to transmit a CW beacon that will help amateur radio operators detect the presence of the satellite and measure basic properties of the signals, such as its strength, fading due to spinning, and Doppler to measure speed. A downlink on 436.235 MHz has been coordinated for 20 WPM on CW, 500 (bps) GFSK telemetry, and 5 (kBps) GFSK SSDV. A SpaceX launch will send ROM-3 into a 500-kilometer polar orbit.

-- ARRL letter

New Pact Expands Ham Radio Use During Emergencies

A new agreement between the African Telecommunication Union and the International Amateur Radio Union is being hailed as a landmark agreement. Praising ham radio for its responsiveness in a crisis, the secretary-general of the African Telecommunications Union signed an agreement with the I.A.R.U. advocating for expanded use of ham radio during emergencies in African nations. The agreement places a special emphasis on ham radio's role in the 51 African countries that belong to the ATU. Both organisations pledged to cooperate when preparing for and responding to crises. A large part of the pact involves coordinating workshops and training programs and stepping up promotion of Science, Technology, Engineering and Mathematics education in Africa through the use of amateur radio. Sylvain Azarian, F4GKR, the president of IARU Region 1, said that the agreement would also have an impact on regulatory changes needed for amateur radio in Africa. As he signed the pact, he told those in attendance "This is our first step to initiating a collaborative approach that is keen to find solutions and to ensure a conducive environment for amateur radio operations in the region."

-- Jason Daniels VK2LAW. (Amateur Radio News-line)



Lakehead Amateur Radio Club (LARC) Membership Form

Name: _____

Call: _____

Included in Family membership: (same household)

Name: _____

Call: _____

Name: _____

Call: _____

Contact Information:

Please check that you understand that all contact information is optional and will be shared with members via a membership list.

Number and Street: _____

City: _____

Province: _____

Postal Code: _____

Phone: H: _____

C: _____

Email: _____

What type of Membership would you like?

Regular (\$35)

Bronze Supporter (\$50)

Donation (_____)

Family (\$45)

Silver Supporter (\$100)

Associate (\$20)

Gold Supporter (\$200)

Check here if you want your name printed in Hi-Q if you are a supporting member. (\$50-\$200)

Additional Information for Club Executive use:

Are you a member of RAC?

Yes

RAC #: _____

No

Would you like to volunteer for ARES? (Amateur Radio Emergency Service)

Yes

No

Would you like to volunteer for public service events?

Yes

No

Lakehead Amateur Radio Club
PMB 184
1100 Memorial Avenue
Thunder Bay, Ontario
P7B 4A3