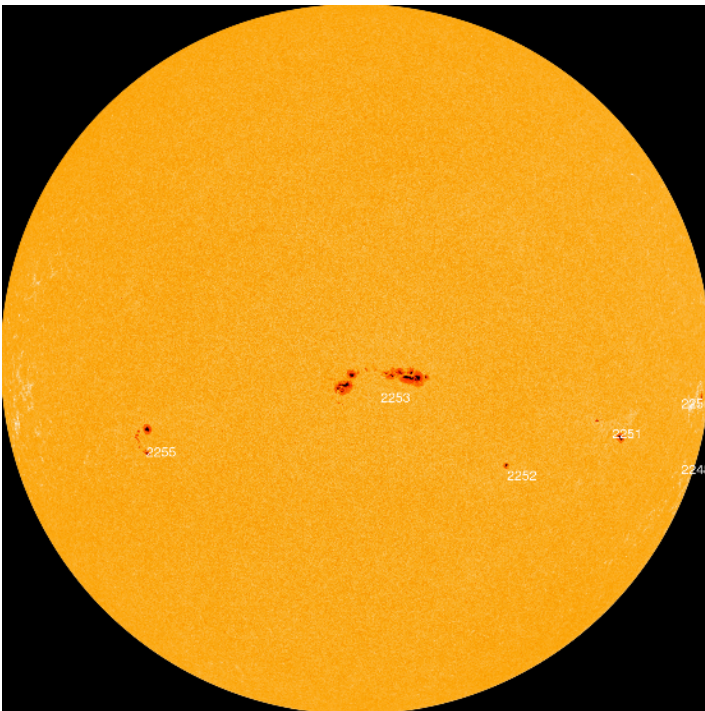


Current Solar Disk



Courtesy of SDO

Sun spot number: 124

The Radio Sun

10.7 cm flux: **150** sfu

Updated 05 Jan 2015

For more information on spaceweather and propagation, visit these sites

<http://www.aoc.nrao.edu/~pharden/hobby/FDIM81.pdf>

<http://www.swpc.noaa.gov/impacts/hf-radio-communications>

<http://www.solarham.net/>

And of course, a google search will give you many more to visit.

Congratulations!

to **Cory Vickruck VE3ZCV**, Thunder Bay's newest amateur radio operator. Welcome to our world-wide community, Cory.

This wonderful video shows Claude Paillard, a French radio amateur (F2FO), making his own vacuum tubes (or thermionic valves). Just sit back and watch this delightful images.

<http://youtu.be/EzyXMEpq4qw>

If you are into meteor scatter propagation, here is a NASA video on last month's Geminid meteor shower, courtesy of Jim VE3UA.

<http://youtu.be/sT3D6t8VT-k>

ARTSAT2: DESPATCH (FO-81)

Satellite Goes Dark

01/05/2015



The ARTSAT2: DESPATCH sculpture/satellite (FO-81) has stopped transmitting after 1 month. The satellite was one of two carrying Amateur Radio payloads that were launched December 3 on-board a Japan Aerospace Exploration Agency (JAXA) vehicle into an

Earth-escape orbit as piggyback payloads of the Hayabusa 2 asteroid sample-return mission into deep space. Crafted as a physical art object, ARTSAT2: DESPATCH transmitted a CW beacon on 437.325 MHz. The other Amateur Radio payload was Shin'en 2 (Abyss 2). Ground controllers at Tama Art University, who had estimated the spacecraft's battery would last for 27 days, concluded the satellite's mission on January 3. Credit to AMSAT News Service via Akihiro Kubota and ARRL

LARC SENATE

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

LARC EXECUTIVE

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Randy Gottfred VA3OJ

Vice President

Robert Hanson VE3RVA

Treasurer

Bill Unger VE3XT

Secretary

Karl Hamilton VE3RRP

Board Members

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Andy Malcom VE3INI

Lori Bedford VE3VAI

Ed Baumann VE3SNW

LARC Emergency Coordinator

Brad Harris VE3MXJ 767-0628

ARES District Emergency

Coordinator

VE3FAL Fred Lesnick 577-0789

CANWARN

VA3JMS John 767-3631

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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.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) 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)

Minutes for the

Lakehead Amateur Radio Club

Date: December 11, 2014

Vice President, Robert Hansen VE3RVA Presiding.

Treasurer's Report: Bill Unger VE3XT

Bill Unger VE3XT moved to accept the report as printed in Hi-Q. Seconded by Karl Hamilton VE3RRP. Passed.

Minutes of Previous Meeting:

Karl Hamilton VE3RRP moved to accept the previous meeting's minutes as printed in Hi-Q. Seconded by Lori Bedford VE3VAI. Passed.

Old Business:

Public Service (John Sacek VA3JMS public events coordinator)

Past Events:

Santa Claus Parade, November 15, Norm Bell VE3XRC, Bob Hansen VE3RVA

Discussion on how to match people arriving with their floats and how to organize the floats.

Santa Shuffle, December, Saturday December 6 Bob Hansen VE3RVA

196 walkers participated.

Upcoming Events:

-next is Sleeping Giant Loppet in March.

CANWARN John Sacek VA3JMS

no activity

ARES Brad Harris VE3MXJ Thunder Bay EC

Sunday night NW ON Amethyst VHF net on VE3TBR, IRLP Reflector 9031, 7:45 ET

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

Shuniah Fire Chief Blair Arthur met with Lori VE3VAI, Karl Hamilton VE3RRP, and Randy Gottfred VA3OJ to discuss the fire department backup communications options.

Repeater News

Randy Gottfred VA3OJ, Terry Stewardson VA3LU 10 metre repeater is being worked on
A new Heliac connector is being worked on for VE3YQT

Club Trailer:

Bob Hansen VE3RVA

Winter storage. We will be sourcing a new business sponsor for 2015.

2 Day Weekend License Course

Email names and contact info of interested people to Karl ve3rrp@rac.ca. Karl will be drafting a letter to send to different local groups.

2015 April Dinner Meeting

The dinner meeting will be on Thursday April 9th at 6 PM in the private room at Chicago Joe's. Bob Hansen VE3RVA has reserved the room.

New Business

Salvation Army Kettle Drive:

Karl Hamilton VE3RRP spoke about correspondence from the Salvation Army describing volunteering for the Christmas kettle drive.

Adjournment moved by: Randy Gottfred VA3OJ

Next Executive Meeting: January 8, 2015, 6:30 PM

Next LARC Meeting: January 8, 2015, 7:30 PM

Lakehead Amateur Radio Club

December 2014 Treasurers Report

Balance December 1 2014 \$1,366.04

Income

Transfer from Trailer Acc't \$12.00

Total Income \$0.00

Expenses

Confederation College, Room Rental \$84.75

Total Expenses \$84.75

Balance December 30, 2014 \$1,281.29

<u>Trailer Account</u>	
Previous Balance	\$785.60
<u>Income</u>	
December 31 Interest	\$0.07
Total	\$785.67
<u>Expenses</u>	
LARC for Trailer Lights	\$12.00
Total Expenses:	\$12.00
Balance in Trailer Account	<u>\$773.67</u>

Term Account

Balance December 01 2014 \$2,039.83

December 30 2014 \$0.67

December 31 2014 **\$2,040.50**

**Bill Unger VE3XT
Treasurer**

News from Winnipeg ARC

WARC Flea Market

Sunday, April 12, 2015 at Heritage Victoria Community Centre. Admission \$5 and tables are still available if you would like to sell. Phone Ruth VE4XYL 204-837-6915 or e-mail ve4se@mymts.net

Worked All Winnipeg Award

WARC is once again promoting a Worked all Winnipeg weekend to help get new (& seasoned) hams to get the WAW award. Although you may go for your award at anytime, this will provide a good window of opportunity to do so. If you are in Winnipeg from the 23rd to the 25th, monitor 146.520 simplex. More info at <http://winnipegarc.org/awards.html>

SHARP-4

Planning is continuing for the mid-May flight of SHARP-4, a high altitude balloon cross-band repeater (possibly a 250 gram Puxing UV973). The balloon will likely carry an APRS beacon as well so 2-metre interference could be significant. By using a 3000 gram balloon the payload, could reach a record altitude (for SHARP) of 135000 feet and be airborne for up to 5 hours. The greater altitude will increase the size of the radio footprint. Thunder Bay should be well within the footprint so I look forward to this experiment.

Manitoba Repeater Society

If you are a frequent traveller to the west, and a frequent user of the fine repeater system in Manitoba, consider a donation to the MRS. You can reach them through their Facebook page or <http://www.mb-repeater-society.ca/>

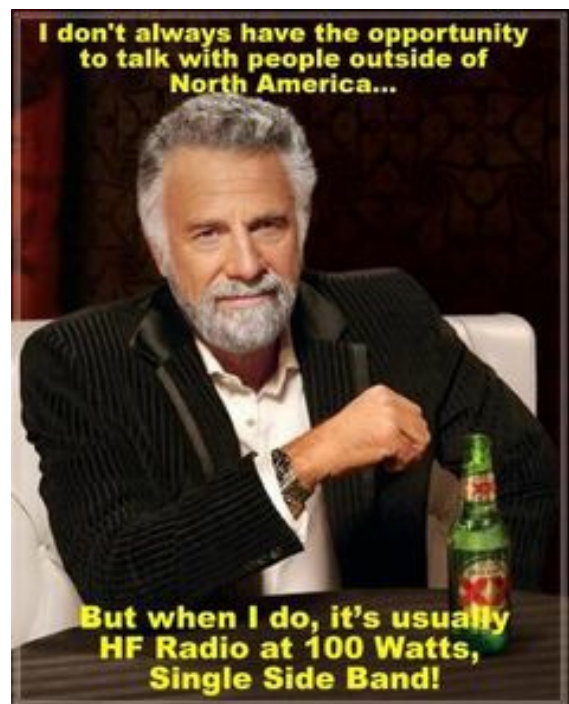


Looking for LARC on the Web?

<http://www.larclub.ca/>



<https://www.facebook.com/LARCLUB>



January 2015

Mon	Tue	Wed	Thu	Fri	Sat	Sun
			1 New Year's Day	2	3	4
5	6 ARS Spartan Sprint	7	8 LARC Club Meeting 1930 at Confederation College	9	10 North American QSO Party, CW	11 DARC 10 Me- tre Contest
12	13	14	15	16	17 North American QSO Party, SSB	18
19	20	21	22	23 23-25 Worked all Winnipeg http://winnipegarc.org/awards.html	24 ARRL VHF Contest	25
26	27	28	29 Every Thursday - eyeball QSO at Boston on Arthur 2100 - ????	30	31	Every Sunday at 55+ from 2 until 5 eyeball QSO in the VE3SAO Shack