

Message from the London Amateur Radio Club



Promoting Amateur Radio in London
And surrounding area since 1920

November 9, 2013

L.A.R.C. Executive

President

David Lambert, VE3KGK

Vice-President, Membership

John Visser, VA3MSV

Past President

Doug Elliott, VA3DAE

Treasurer

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Secretary, Flea Market

Ruth Dahl, VE3RBO

Director, Flea Market

Ann Rundle, VA3EOR

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Mike Watts, VE3ACW

Director

Mark Bramwell, VE3PZR

Non-Voting

ARES Representative

Ken Brightling, VE3ETP

CanWarn Representative

Brett Gilbank, VE3ZBG

Appointments

Repeater Coordinator

Brad Seward, VE3NRJ

Repeater Tech Support

John Visser, VE3FDV

Field Day Coordinator

Vacant

Webmasters

Jim Morris, VA3AHQ

Tom Pillon, VE3HOR

Newsletter Editor

John Visser, VA3MSV

Auditor

Rob Hockin, VA3HO

September L.A.R.C. Meeting

The next L.A.R.C. meeting will be held on **November 14th**. David McCarter, VE3GSO will be talking to us about Astronomy.

The Other Effect Of The Solar Cycle

October 11, 2013

As almost every ham knows, the number of sunspots rises and falls in a regular cycle that repeats every 11 years, but there's a lot more to the story.

Sunspots are among the least dramatic activities in a solar cycle. This is because they are easy to count and closely correlated with flares and other indications of solar activity. As such astronomers and scientists have used them for centuries to monitor variations in the sun's activity.

But it is Solar Flares and Coronal Mass Ejections that pose the biggest risk to power grids and communications systems here on Earth. These take place when billions of tones of solar plasma erupt from the surface of the sun and are flung out into space at speeds up to millions of miles per second.

Variations in the amount of heat and light reaching the Earth's surface as a result of the changes in the 11 year cycle are tiny. Total solar output reaching the surface varies by just 1.3 Watts per square meter or 1/10th of 1 percent between the maximum and minimum phases of a solar cycle. However some researchers say that even this miniscule variation has profound impacts on climate and weather. They note that rainfall, cloud formation and river run-off are all strongly correlated with the sun's 11-year cycle.

All in all, the impact is far smaller than the warming associated with other sources of climate change.

One thing that solar activity cannot explain long-term trends in global temperatures such as those associated with global warming. That said there are some researchers believe that it may have a noticeable impact over shorter timescales. (macedoniaonline.eu)

Next Meeting is Where and When?

Reminder: The next monthly L.A.R.C. meeting on November 14, 2013 at 7:30 pm

All meetings are normally located at St. Judes Anglican Church, 1537 Adelaide Street North at Fanshawe Park Road East in London, Ontario.

The meetings are **normally** held on the second Thursday of the month at 7:30 pm EST during the months of September to June.

Next Meeting will be December 12, 2013. This meeting will be the annual Christmas Potluck Dinner.

Area Repeaters

LARC Repeaters

London

VA3LON 147.060 + 114.8Hz

VA3MGI 145.390 - 114.8Hz

SORT Repeaters

London

VE3TTT 147.180 + 114.8Hz

Echolink Node 10741

VE3SUE 444.400 + 114.8 Hz

IRLP Node 2400

VE3TTT 442.200 + D-Star

Ipperwash

VE3TCB 146.940 - 114.8 Hz

Linked to VE3SUE

Grand Bend

VE3SRT 442.050 + 114.8 Hz

Linked to VE3SUE

Other Area Repeaters

London

VE3OME 145.450 - 114.8 Hz

CANWARN

VA3FEZ 444.100 + 114.8 Hz

Grand Bend

VE3RGB 146.760 + 173.8 Hz

Stratfordville

VE3DPL 146.655 - 131.8 Hz

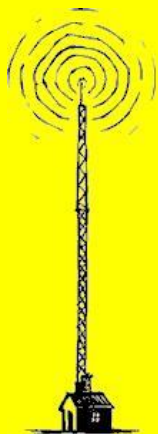
St. Thomas

VE3STR 147.330 + 114.8 Hz

Echolink Node: 72886

VE3STR 443.825 + 114.8 Hz

IRLP Node: 2482



If you have a repeater that should be listed here, please forward the information to John Visser, VA3MSV at va3msv@hotmail.com and I'll add it to the list.

Membership Certificates

The Club has created membership certificates for its current members. You can see your own certificate at the following link. <http://www.larc.ca/member-list.htm>

Simply click on your surname and it will bring up a PDF of your certificate suitable for printing.

Flaunt Your Face – Show Your Shack

In our hobby it's not always easy to put a face to all the fellow hams you talk to on the air. To help us all figure who's who, LARC invites its members to submit digital photos of yourself and/or your shack to be published on the membership page of our website. Purely voluntary of course, and if you prefer you can submit just one (depending on whether you think your face or your shack is more presentable).

How will it work? On the membership page, we'll attach your own picture where your first name appears, and the picture of your shack to your callsign. See the entry for Doug Elliott, VA3DAE for an example.

How do you submit your pictures?

Just email them to the LARC site webmaster address, which is: webmaster@larc.ca

Mutual Aid

Would you be willing to answer some questions if a fellow ham needed some advice? Got a problem you can't figure out? Want to try something new but need someone to show you the ropes? Check out our new **Mutual AID page** (<http://www.larc.ca/mutual-aid.html>), a new way to get people who are looking for assistance together with the folks who can help supply the answers. **Let us know** what you think of this new facility.

Membership Report

A new membership year has begun.

Currently the L.A.R.C. membership stands at 81 members with 10 of them being new members.

The following is a list of new member for the 2013/2014 Membership Year with the date that they joined L.A.R.C.

Bill Ambler, VE3CFY	Oct 10, 13
Jim Ballantine, VA3JBY	Jun 11, 13
Brian Coleman, VE3DTM	Sep 12, 13
Jay Gall, SWL	Apr 11, 13
John Hood, VE3VJH	Sep 12, 13
Jim Morris, VA3AHQ	Sep 12, 13
Martin Southcott, VA3MRS	May 31, 13
Brian Wilkins, VA3OPT	Jun 13, 13
Simon Wilton, VA3SII/G7HCD	Apr 11, 13
John Young, VE3ZJY	Sep 12, 13

Nets



Daily

ONTARS Net

3.755 MHz 7:00 am – 6:00 pm

Trans Provincial Net

7.055 MHz 7:00 am – 5:00 pm

London Senior's Net

146.400 MHz 7:00 pm – 7:30 pm

Sunday

ARES Ontario Net

7.153 MHz 1:00 pm

7.055 MHz 3:00 pm

3.742 MHz 7:15 pm

IRLP Reflector 9005 8:00 pm

Monday

LARC 2m Net

147.060 + VA3LON 8:00 pm

SATERN Net

147.180 + VE3TTT 9:00 pm

444.400 + VE3SUE 9:00 pm

Tuesday

ELMER Net

147.060 + VA3LON 9:00 pm

Wednesday

ARES Net

145.450 + VE3OME 7:30 pm

ARES Ontario Net

IRLP Reflector 9005 8:00 pm

Thursday

PROCOMM Net

147.180 + VE3TTT 8:00 pm

444.400 + VE3SUE 8:00 pm

Friday

Tech Net

147.180 + VE3TTT 8:00 pm

444.400 + VE3SUE 8:00 pm

Saturday

VE3TTT 2m Net

147.180 + VE3TTT 7:30 pm

444.400 + VE3SUE 7:30 pm

146.940 - VE3TCB 7:30 pm

442.050 + VE3SRT 7:30 pm

RAC Bulletin 2013-032E - RAC Director for Ontario South

October 21, 2013



Congratulations are extended to Mr. Rod Hardman, VE3RHF who was recently acclaimed as the RAC Director for Ontario South. His term as Director will be for the two years starting January 1, 2014 and ending December 31, 2015.

Al Masse, VE3CWP
RAC Corporate Secretary

Vernon Ikeda - VE2MBS/VE2QQ
Pointe-Claire, Québec
RAC Blog Editor/RAC E-News/Web News Bulletin Editor

RAC Bulletin 2013-033E - RAC Member Recognition Program (RAC MRP)

October 21, 2013

In an effort to properly recognize our valued volunteers, a committee has been struck to manage the RAC MRP. We recognize that many of you have given tirelessly of your time on our behalf for many years, and it's time that we "put you on a pedestal" and say thank you.

Individual Award

Any full member of RAC is eligible to nominate a fellow member for a MRP award. All you need is to provide a short essay on why you think that your candidate is deserving. Send it along to one of committee members listed below.

Extraordinary Award

You may know of an individual or group that has gone above and beyond the call of duty. These folks will be recognized in a special way.

Committee members:



Jeffrey Stewart, VA3WXM
va3wxm@sympatico.ca



Doug Mercer, VO1DM
vo1dtm@rac.ca



Normand Pitre, VE2NHK
ve2nhk@rac.ca

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Doug Mercer VO1DTM/VO1DM CEC
Chief Field Services Officer - Radio Amateurs of/du Canada

Vernon Ikeda - VE2MBS/VE2QQ, Pointe-Claire, Québec
RAC Blog Editor/RAC E-News/Web News Bulletin Editor

Upcoming Events

No new events currently listed

RAC Bulletin 2013-034E - RAC Member Recognition Program Extraordinary Service

October 31, 2013

For the very first time, a group has been nominated to receive the RAC MRP for Extraordinary Service. The VE4WWO CANWARN Net Controller Team has been serving the Prairie and Arctic Storm Prediction Center (PASPC) in Winnipeg.

They number 13 strong, and spend long hours doing Net Control duties and storm spotting.

Congratulations folks!

Doug Mercer VO1DTM/VO1DM CEC
Chief Field Services Officer - Radio Amateurs of/du Canada

Vernon Ikeda - VE2MBS/VE2QQ
Pointe-Claire, Québec
RAC Blog Editor/RAC E-News/Web News Bulletin Editor

RAC Bulletin 2013-35E - First RAC Member Recognition Award (MRA)

October 31, 2013

I am pleased to advise that Jeff Dovyak, VE4MBQ has been nominated to receive our first RAC Member Recognition Award. An Amateur since 1994, Jeff has been very active with Winnipeg ARES, and is the Emergency Coordinator for Winnipeg since 1994, where he resides with his wife Rhonda. Look for a full report in an upcoming TCA.

Congratulations Jeff.

Doug Mercer VO1DTM/VO1DM CEC
Chief Field Services Officer - Radio Amateurs of/du Canada

Vernon Ikeda - VE2MBS/VE2QQ
Pointe-Claire, Québec
RAC Blog Editor/RAC E-News/Web News Bulletin Editor



Every Saturday Morning

starting at 8:30 am.
Breakfast at the Cottage
Restaurant. Located across the
street from the London Police
Station on Dundas St.

If you have an upcoming event that you would like to have listed here, please forward the information to John Visser, VA3MSV at va3msv@hotmail.com and I'll add it to the list.

HF Corner for November 2013

Editor Note: This month, John Visser, VA3MSV filled in for Dave Lambert, VE3KGK for this month's HF Corner

Looks like there is a lot of possible DX for the month of November.

Sep 24 to Nov 16	Uganda	5X1NH	
Sep 28 to Dec 02	Afghanistan	T6RH	20m and up
Oct 01 to Nov 15	Angola	D2CT	20-10m PSK31/RTTY
Oct 03 to Nov 26	Solomon Is	H44MS	HF Bands & EME
Oct 10 to Nov 10	St Kitts & Nevis	V47JA	CQ WW DX SSB
Oct 14 to Nov 09	South Cook Is	E51NOU	160-10m CW spare time operation
Oct 19 to Nov 07	Cape Verde Island	D44TXT	80-10m SSB/RTTY/PSK
Oct 20 to Nov 19	Falkland Islands	VP8DNY	all HF bands SSB
Oct 21 to Dec 21	Dominica	J79WTA, J79KZ, J79DP	160-10m SSB/RTTY/PSK
Oct 22 to Nov 27	Senegal	6V7S	80-10 m excluding WARC CW/SSB/RTTY
Oct 25 to Nov 10	Sierra Leone	9L1BTB	20-15m
Nov 01 to Nov 07	Easter Island	XR0YY	160-6m CW/SSB/digital modes
Nov 01 to Nov 09	Vietnam	XV2CNH	160-6m CW/SSB/digital modes
Nov 01 to Nov 10	San Andres Island	5J0R	160-6 m CW/SSB/RTTY
Nov 01 to Nov 11	Iririki Island	YJ0AU, YJ0CJ, YJ0TE, YJ0ZS	HF & 6 m CW/SSB/digital modes
Nov 01 to Nov 30	New Caledonia	FK/F5IRO	80-10m CW/some PSK
Nov 02 to Nov 08	Vietnam	XV2NHL	160-6m CW/SSB/RTTY
Nov 02 to Nov 09	Tanzania	5H3JJ	20-6m 10w
Nov 03 to Nov 09	Niue	E6AA, E6AK, E6AY	80-10m CW/SSB/digital
Nov 03 to Nov 15	Wake Is	K9W	
Nov 03 to Nov 17	Reunion	TO2R	40-10m mainly CW
Nov 04 to Nov 11	Mayotte	FH/DK9PY	40-10m, perhaps 160-80m cx permitting CW
Nov 05 to Nov 08	Antigua	V26MN	HF mainly CW
Nov 05 to Nov 12	Cape Verde Island	D44TWQ	WARC bands CW
Nov 05 to Nov 18	Banaba Island	T33A DXpedition	160-10m CW/SSB/RTTY
Nov 07 to Dec 04	Namibia	V5/DJ4SO	160-6m CW/SSB/digital modes
Nov 07 to Nov 14	Samoa	5W7X	160-6m CW/SSB
Nov 07 to Nov 15	Ogasawara	JD1BLC	all bands all modes
Nov 07 to Nov 17	Saba & St Eustatius	PJ6/N7QT, PJ6/W4VAB	80-10m CW/SSB/RTTY/PSK/JT64
Nov 07 to Nov 27	St Vincent	J87GU	80-6m CW/RTTY/SSB/WAE DX RTTY/CQWW DX CW
Nov 08 to Nov 12	Palau	T88JH, T88ON	80-10m CW/SSB/digital modes/WAE DX RTTY/JIDX Phone contests
Nov 08 to Nov 15	Montserrat	VP2MMN	HF mainly CW
Nov 08 to Nov 20	Juan Fernandez	XR0ZR	160-6m CW/SSB/RTTY
Nov 08 to Nov 28	Nepal	9N7BM	holiday style operation
Nov 10 to Nov 15	Banda Besar Island	YB8V	40-10 m CW/SSB

HF Corner for November 2013 cont.

Nov 11 to Nov 12	Monaco	3A/F4FET	40-10m SSB
Nov 11 to Nov 18	Rwanda	9X0PY	20-10m possibly lower bands CW
Nov 11 to Nov 22	Reunion	FR/DK9PY	By40-10m perhaps 160-80m CW
Nov 12 to Nov 22	American Samoa	W8A	160-10m CW/CQWW DX CW using N8A
Nov 12 to Nov 23	Seychelles	S79WDX	160-6m
Nov 14 to Nov 28	South Sudan	Z81X	160-80m CQWW DX CW
Nov 15 to Dec 01	St Vincent	J88HL	160-6m CW/SSB/RTTY
Nov 15 to Nov 19	St Kitts & Nevis	V4/DF8AN	HF mainly CW
Nov 15 to Nov 26	Myanmar	XZ1J	160-10m CW/SSB/RTTY
Nov 16 to Dec 06	St Barthelemy	FJ	40-10m CW/RTTY
Nov 16 to Dec 15	Madagascar	5R8IC	mainly CW/SSB/RTTY/PSK63 holiday style
Nov 16 to Nov 17	Samoa	5W7A or 5W6A, 5W0OV, 5W0FW, 5W0NW	all bands CW/SSB/RTTY
Nov 17 to Nov 24	Sint Maarten	PJ7/N7QT, PJ7/W4VAB	80-10m CW/SSB RTTY PSK JT64
Nov 17 to Nov 26	Burkina Faso	XT26DJ XT2FCJ	
Nov 17 to Nov 30	Ivory Coast	TU5AX TU5XV TU5NK	160-6m CW/SSB/RTTY
Nov 18 to Dec 01	Guadeloupe	TO0MT	SES for arrival of transatlantic race Mini Transat
Nov 18 to Dec 03	Togo	5V7TH	40-20m SSB/CW/RTTY evenings
Nov 18 to Nov 19	American Samoa	KH8/N9YU, KH8/WD5COV, KH8/N7AFW	all bands CW/SSB/RTTY
Nov 18 to Nov 27	Swaziland	3DA0ET	160-6m CW/SSB/RTTY/CQWW DX CW
Nov 19 to Nov 21	Ascension Island	ZD8W	HF + 6m CQWW DX CW
Nov 19 to Nov 25	Curacao	W9NJY/PJ2	160-10 m CW
Nov 19 to Nov 29	Bangladesh	S21ZBC, S21ZBB	160-6m SSB CW/RTTY/CQWW DX CW
Nov 19 to Nov 29	Rwanda	9X0NH	CQWW DX CW
Nov 20 to Dec 03	Benin	TY1	40-6m SSB CW/RTTY
Nov 20 to Dec 10	Lakshadweep Islands	VU7AG & VU7KA	160-10 m CW/SSB/RTTY
Nov 20 to Nov 22	Fiji	3D2AD, 3D2OV, 3D2FW	all bands CW/SSB/RTTY
Nov 20 to Nov 29	Grenada Island	J34J	CQWW DX CW Contest
Nov 21 to Dec 01	Antigua	V25A	160-10m CW/SSB
Nov 22 to Nov 29	Rotuma	3D2R	all bands CW/SSB/RTTY/CQWW DX SSB
Nov 22 to Nov 30	Micronesia	V63DX, V63ZF	CQWW DX CW
Nov 23 to Dec 08	Vietnam	XV2RZ	20-6m CW/SSB
Nov 23 to Nov 24		N8A	CQWW DX CW
Nov 26 to Jan 07	Canary Island	EA8/IK1PMR, EA8/PA3LEO	160-6m CW/RTTY/SSB
Nov 27 to Dec 02	Samoa	5W8A	160-10m mainly CW
Nov 28 to Dec 03	East Kiribati	T32TM	
Nov 28 to Dec 04	West Kiribati	T30NK & T30TS	40-6 m CW/SSB/PSK31
Nov 29 to Dec 04	Fiji	3D2AD, 3D2OV, 3D2FW	all bands CW/SSB/RTTY
Nov 29 to Dec 07	Senegal	6V7D	40-10 m CW/some SSB
Nov 29 to Dec 14	Vietnam	XV2LRR	40-10m CW/SSB holiday style operation

HF Corner for November 2013 cont.

Dec 01 to Dec 06	Lissenung Island	P29VNX	30-10m CW/SSB/RTTY
Dec 01 to Dec 08	Cayman Is	ZF2OK	mainly digital
Dec 01 to Dec 09	St Lucia	J6/N9AW, J6/NM4T, J6/W5EXJ, J6/K3JDB, J6/AA4W, J6/W4QO, J6/W6HFP, J68FF	160-10m CW/SSB/digital
Dec 04 to Dec 11	East Kiribati	T32RC	160-10m CW/SSB/RTTY
Dec 08 to Dec 14	La Somone Senagal	AA1AC/6W	
Dec 22 to Dec 24	Lesotho	7P8WO	HF bands
mid-Dec for 6 wks	Minami Torishima	JD1/JG8NQJ	

The ARRL DXCC Desk has approved the 2013 operation of T6JR -- Afghanistan for DX Century Club credit. If a request for DXCC credit for this operation has been rejected in a prior application, contact ARRL Awards Branch Manager [Bill Moore](#), NC1L, to

be placed on the list for an update to your record. Please note the submission date and/or reference number of your application in order to expedite the search for any rejected contacts. -- *ARRL Awards Branch Manager Bill Moore, NC1L*

Wake Island K9W DXpedition Attempting to Reschedule

October 24, 2013

The sponsors for the Wake Island K9W commemorative DXpedition that was derailed as a result of the partial government shutdown say they are continuing to work with the US Air Force to reschedule the operation.

The US Air Force manages Wake Island, and access is restricted.

"Once we have the new dates, we will post them [here](#) and through the normal Amateur Radio communication media," the group announced October 22. "Thank you for your patience and understanding."

The K9W postponement was attributed to a paperwork delay resulting from the October 1 partial government shutdown. Team member Craig Thompson, K9CT, [told](#) Bloomberg News early this month that all the paperwork was in place, except for final travel orders that needed one last Pentagon signature. The K9W team was to board a military flight to Wake Island October 4 but put its plans on hold after determining that it would not get final approval for the flight, which occurs every two weeks.

The ARRL Letter
[Rick Lindquist](#), WW1ME, Editor

Wake Atoll Operation Coming On The Air

November 1, 2013

Up-front in DX, the Wake Atoll Commemorative K9W DXpedition team has been approved for entry onto Wake Atoll and should be operational by the time many of you hear this newscast. Their equipment is already on the atoll and in safe storage awaiting arrival of the operators that was scheduled for November 2nd local time. They will then immediately set up antennas and the stations.

As we go to air team leaders say that they plan to begin operations on November 3rd and continue until November 15th, once again local Wake Island time. There will be two CW and two SSB stations operational during this DXpedition. More information and updates will be on the web at www.wake2013.org (*K9W Management Team*)

Voice Of Russia May Go QRT January 1, 2014

October 11, 2013

North American and Western European international shortwave broadcasters aren't the only one's feeling today's financial squeeze. RIA Novosti reports that the Voice of Russia will cut its shortwave service as of January 1st, 2014. However, the government

shortwave broadcaster, originally known as Radio Moscow, has not confirmed this plan of action, according to The SWLing Post. The station has been broadcasting since 1922. (*SWL Post*)

RAC Bulletin 2013-030E - RAC Announces Scholarships

October 11, 2013

Radio Amateurs of Canada is pleased to announce the granting of three academic scholarships and one community grant.

The individual recipients are Ms. Paulyne Mulles, VE3PJM who is attending Carlton University, Mr. Jason Deglint, VE7TJD who is attending University of Victoria, and Mr. Liam Bindle, VE5LRB who is attending the University of Saskatchewan. Each of these young Amateurs will receive a \$500 academic scholarship to assist their further studies in Electrical Engineering. In their application each one stated how being an Amateur is a good match to their schooling and provides hands on ability to complement their academic studies.

Shaftesbury High School in Winnipeg also received a \$500 community grant to assist them to become the only permanent Amateur Radio ARISS Telebridge Station in Canada under the guidance of Mr. Robert Strierner, VE4SHS.

Look for more information on each of these recipients in an upcoming issue of TCA.

RAC would like to thank all the Amateurs from across Canada who have generously contributed to this fund administered by the Community Foundation of Ottawa (CFO) allowing us to give out these scholarships and grants. I encourage you to advise other Amateurs who are in a Science, Technical, Engineering or Science (STEM) field of studies to consider applying. Full details and an application are available at the RAC web site.

If you want to assist in this work please contact RAC HQ for more information on contributions to this or other funds to be administered by RAC.

Bill Unger VE3XT

North East Ontario Regional Director

Radio Amateurs of Canada

Vernon Ikeda - VE2MBS/VE2QQ

Pointe-Claire, Québec

RAC Blog Editor/RAC E-News/Web News Bulletin Editor

RAC Bulletin 2013-031E - Radio Amateurs of Canada Supports Dr. Bruce Gracie as Canada's nomination for Deputy Secretary-General of the International Telecommunication Union

October 17, 2013

The Radio Amateurs of Canada is pleased to announce that your national society will be supporting the nomination of Dr. Bruce Gracie to the position of Deputy Secretary-General of the International Telecommunication Union (ITU). The Government of Canada has announced its intention to nominate Dr. Gracie for the position which will be voted on by member nations in October of 2014 in Busan, Republic of Korea. We received word of this by way of a letter from the Deputy Minister of Industry Canada, John Knubley, to the President of Radio Amateurs of Canada.

Dr. Gracie is the current Chairman of ITU-T Telecommunications Standardization Advisory Group. Having completed a Ph.D. in 1976 and he has worked in a variety of capacities in the Canadian federal government responsible for telecommunications and information technology matters. His recent duties included chairmanships of various government/industry committees focused on the preparations for ITU conferences and assemblies (such as the 2012 World Telecommunication Standardization Assembly, 2012 Radiocommunication Assembly, and the 2012 World Radiocommunication Conference). Among his other

recent responsibilities at ITU were the following: Chairman of the Finance and Administration Committee at the 2002 Plenipotentiary Conference, Chairman of the 2006 Council, Chairman of the Radiocommunication Advisory Group from 2000 to 2007, Chairman of the 2007 Radiocommunication Assembly, and Chairman of the Administration and Management Committee at the 2010 Plenipotentiary Conference. His current responsibilities include serving as ITU Councilor for Canada, as well as Chairman of the Council Working Group on Financial and Human Resources and Chairman of the Telecommunication Standardization Advisory Group (TSAG).

RAC intends to communicate with our fellow societies in the International Amateur Radio Union (IARU) in order to encourage them to influence their government to support Canada's nomination.

Geoff Bawden, VE4BAW
President and Chair RAC

Vernon Ikeda - VE2MBS/VE2QQ
Pointe-Claire, Québec
RAC Blog Editor/RAC E-News/Web News Bulletin Editor

LADEE Spacecraft Goes Into Lunar Orbit

October 11, 2013

NASA's Lunar Atmosphere and Dust Environment Explorer or LADEE spacecraft fired its engines Sunday morning, October 6th, slowing it enough to be captured by lunar gravity and placing it into orbit around the Moon. Once given the green light the

spacecraft will begin its mission to study the Moon's exotic and almost transparent atmosphere, which is highly affected by space weather. That information will be sent by radio back to Earth for further analysis. (Spaceweather)

Hams Collaborate to Greet Juno Spacecraft on Flyby; Results Are Pending

October 10, 2013

Radio amateurs around the globe greeted NASA's Juno spacecraft October 9 as it looped past Earth for a gravity-assisted boost on its way to Jupiter. Participants were invited to spread out across 10 meters to transmit "HI" in very slow speed CW (1/25 WPM), sending 30 second dits punctuated by 30 second spaces and 90 seconds between the two characters. The experiment involved 16 identical rounds or cycles and ran a bit longer than 2-1/2 hours all told (1800 to 2040 UTC). The object of the experiment was to see if Juno's onboard "Waves" experiment would be able to detect the collective RF. One possible glitch was that the spacecraft's systems went into "safe mode" at some point. University of Iowa researcher and Waves Principal Engineer Don Kirchner, KD0L, believes the unexplained switchover will not prove to be a problem for the "Say 'HI' to Juno" experiment.

"Safe mode entry was late enough that we likely have data taken from the event," Kirchner told ARRL. "[Project managers] are carefully working through their standard procedures, which take priority over downlinking the science telemetry that should be stored on board. I am still hopeful that we

will have enough data to determine whether or not our instrument was able detect amateur signals."

Among stations participating were operators at the Virginia Tech Amateur Radio Club's K4KDJ, who posted [video](#) of their activity on YouTube.

Whatever the outcome, Kirchner said, he and the Juno team would like to thank the operators who took part in the experiment. He said reports came in from all over the world. Anyone who took part can [request](#) a QSL card that acknowledges their help.

"Indications are that we had very large and enthusiastic participation," he added.

At the time of the experiment the Juno spacecraft was within 50,000 kilometers from Earth, and the Waves team determined that would be the best opportunity for the wide-band receiver to detect Amateur Radio signals. Spreading out participants on a wide range of 10 meter frequencies was intended to improve the chance of the Waves instrument's hearing the ham signals. The detector has a bandwidth of 1 MHz.

"The natural signals we expect to measure at Jupiter will consist of a large number of discrete tones," a

pre-experiment announcement explained, "so spreading the signals out in this manner is a good approximation to the signals we expect to detect. But at Jupiter, we don't expect to be able to decode CW in our telemetry!"

Despite the government shutdown two websites were available to guide participants when to key down and when to stop transmitting. Numerous operators were monitored who, apparently not having read or fully understood the instructions, transmitted "HI" and their call signs at normal CW speeds. The very slow speed CW was necessary because the Waves instrument samples the spectrum just once per second. As the website explained, "By spreading the signal out in time, we

can average to reduce the noise level. In addition, the spacecraft spins at 2 RPM, so a 30 second 'dit' time gives us a full spin to see if there is any spin modulation."

Organizers were actually hoping for poor conditions on 10 meters, so that signals from Earth would pass through the ionosphere for the most part, allowing the spacecraft a better chance of detecting them.

The Jet Propulsion Laboratory's [Say "HI" to Juno](#) web page and the Southwest Research Institute's [Say "HI" to Juno Event](#) website will report the results of the experiment.

The ARRL Letter
[Rick Lindquist](#), WW1ME, Editor

The ARRL Centennial QSO Party Starts January 1, 2014!

October 17, 2013

In conjunction with the 100th anniversary of the ARRL, the [ARRL Centennial QSO Party](#) is set to kick off January 1 for a year-long operating event in which participants can accumulate points and win awards, as well as working new stations and making new friends. During 2014 W1AW will be on the air from every state (at least twice) and most US territories, and it will be easy to work all states solely by contacting W1AW portable operations. This marks the first ARRL-sponsored operating event where every member is worth at least one point. The event is open to all, although only ARRL members and appointees, elected officials, HQ staff and W1AW are worth [points](#). Working ARRL's president, for example, earns 300 points!

To qualify for points all contacts must be two-way (no cross-band or cross-mode contacts), using CW, phone (FM, SSB, AM, digital voice), digital (any digital mode, such as PSK31, RTTY) on 160, 80, 40, 30, 17, 15, 12, 10, 6, 2 and 1.25 meters, plus 70 centimeters and satellite.

Stations [exchange](#) signal report and ARRL abbreviation. Contacts do not have to be contest-style and it isn't necessary to give the ARRL organizational information. A centennial database will assign point values to all logs submitted electronically. Those not submitting electronically, however, will need to obtain the QSO information during the contact. This event is not a contest, so participants may make contacts in any fashion they prefer.

The Centennial QSO Party is scored by totaling the values of all eligible contacts. There are no

multipliers or bonus points. Logs submitted via Logbook of the World ([LoTW](#)) will be scored automatically.

Awards

Work W1AW operating portable from all 50 states. Working W1AW in Connecticut does not count for Connecticut, however. Participants can earn W1AW Connecticut credit only for working W1AW/1 in Connecticut. A W1AW WAS certificate and plaque will be available (pricing not yet announced). For an extra challenge, work all 100 W1AW portable operations -- essentially a double WAS with W1AW!

Endorse the W1AW WAS Certificate with the Territorial Stickers for working W1AW/KH2, W1AW/KP4, W1AW/KP2, and any others that may be active, and also endorse with W1AW/3 from the District of Columbia (stickers are \$1 each)

Centennial Points Challenge

To compete in the Centennial Points Challenge, submit logs via Logbook of the World ([LoTW](#)). The system will automatically look for points-qualifying contacts from submitted logs and apply them to each participant's Centennial QSO Points table. QSOs do not have to be matched in LoTW for points to be achieved -- this is an honor-based event. No paper forms or information will be accepted for the Centennial Points Challenge, however. Some points worth noting:

- Club call signs do not count for points
- Repeater contacts are not valid for credit
- Mobile and portable operations are okay but do not count for points in addition to home operation -- i.e., a contact with K0GW counts

for K0GW, whether it is made with K0GW/4, K0GW/m, or PJ4/K0GW

- Stations outside of the US may also count for points. More than 10,000 ARRL members live outside the US, and some of these are also volunteer examiners or DXCC card checkers

ARRL appointees, staffers, and officers should choose for their contact exchange the appointment or office held that offers the highest point value (this is how the database will work also). For example, KI9XX is an ARRL Life Member (a LM is worth 2 points), a Volunteer Examiner (VE is worth 5 points) and a State Government Liaison (SGL is worth 30

points), so KI9XX should use "SGL," since that offers the highest point value. In any event, the database will give credit for the proper point value.

The top-scoring operator from each ARRL Section, Canadian Province and DXCC entity will receive a First Place certificate. The Top Five overall point scorers will receive awards. There is a charge for award certificates. For complete information, visit the [ARRL Centennial QSO Party](#) web page. [Contact us](#) if you have questions.

The ARRL Letter

[Rick Lindquist](#), WW1ME, Editor

IARU Announces Theme For World Amateur Day 2014

October 18, 2013

The IARU has chosen its theme for World Amateur Radio Day, 2014.

Each year on 18 April is World Amateur Radio Day, which celebrates the founding of the International Amateur Radio Union in 1925. The theme "Amateur Radio: Your Gateway to Wireless Communications" has been chosen for the day in 2014.

In 100 years it has evolved from crude spark-gap technology to digital signal processing and software-defined radios.

The IARU understands that the date is close to Easter. It encourages activity earlier or later to gain as much exposure and publicity as possible for modern and easily accessed amateur radio.

Only six months to go. Will you be involved?

Most if not all of the world's national ham radio societies will be taking part in World Amateur Radio Day 2014. Check with yours to find out its celebration plans. (*IARU, WIA NEWS*)

Small Wonder Labs To Go QRT

October 18, 2013

QRP kit supplier Small Wonder Labs is closing its doors permanently. According to owner Dave Benson, K1SWL, he is going into retirement and has discontinued sales of the popular RockMite.

Benson says that he will ship out the last several dozen orders shortly and that he will continue to support requests for missing or replacement RockMite parts from existing customers, but only over the short term. He also hopes to keep the Small

Wonder Labs website active for a year, and it will maintain documentation for his earlier products

However QRP enthusiasts should not despair. According to the rumor mill at least one other QRP kit supplier is interested in taking over supplying the RockMite and there could be an announcement at any time now.

For more on Dave Benson's future plans please visit smallwonderlabs.com on the world-wide-web. (smallwonderlabs.com, others)

New Free E-Book On Image Communications

October 25, 2013

And word that Martin Bruchanov, OK2MNM, has written a free e-book for hams and SWL's interested in special communication modes for image transmission and reception. This includes such

modes as SSTV, Digital SSTV and radio facsimile to name only a few. You can download the entire book or view on line at www.sstv-handbook.com/ (Southgate)

Intel New Broadwell Chipset Delayed To Early 2014

October 25, 2013

Intel, the world's biggest computer chip maker, has said the production of its next-generation PC chip, Broadwell, will be delayed by about three months past its scheduled release date. This due to a technical glitch according to Chief executive Brian Krzanich.

The Broadwell chips are expected to succeed the firm's Haswell line of processors, and are touted to

be more power-efficient and faster. Intel is the leading PC chip-maker and its updated products typically spur on new laptop and desktop sales. It will now begin production on Broadwell chips in the first quarter of 2014 rather than later this year. (*Intel, c-net, Techradar*)

Last Man Standing - Friday November 22nd "Thanksgiving"

October 30, 2013

This comes direct from the Last Man Standing producers:

Attached is a still frame from "Last Man Standing" Episode 8, "Thanksgiving".

The episode features Tim Allen as Mike Baxter (KA0XTT) in his basement ham shack.

Mike finally (but briefly) talks on the radio! In response, we hear a pile-up created using real hams voices that were sent in to the production.

"Mike" appears with his grandson "Boyd", played by Flynn Morrison.

The "Thanksgiving" show airs Friday, November 22nd on ABC at 8 EST & 7 CST.

The photo is courtesy of "Last Man Standing" and is approved by 20th Century Fox and ABC Photo.



Note the Heil Mic, Vibroplex key, IC-7700, and a QRZ.COM page on the display which happens to be showing AA7BQ!

Fred Lloyd, AA7BQ
Publisher, QRZ.COM
aa7bq@qrz.com

Extraterrestrial Communications: Laser Speed Demo In Space

November 1, 2013

NASA has used laser technology to transfer data over the 239,000 miles to and from the moon. This at a speed of 622 megabits per second.

Badri Younes is NASA's deputy associate administrator for space communications and navigation. In a press release he said that his agency is encouraged by the results of the demonstration of the Lunar Laser Communication Demonstration to this point. As such NASA is confident that it is on the right path to introduce this new capability into operational service soon.

The space agency's Lunar Laser Communication Demonstration is the first two-way space communication system to use a laser instead of radio. Younes calls it the first step on NASA's roadmap toward building the next generation of space communication capability.

The Lunar Laser Communication Demonstration is hosted on NASA's Lunar Atmosphere and Dust Environment Explorer or LADEE satellite. (*NASA*)

MEMBERSHIP INVITATION

-- Membership application and dues are currently requested.

Our term of membership runs from November 1 to October 31 of the following year. Each and every year it is increasingly more difficult to get Amateurs to commit to membership in their local club due to the alternate functions we are asked to fund.

The **London Amateur Radio Club** has a long history of providing technical support, social support and repeater facilities. Public service efforts are currently provided by a club affiliation with Amateur Radio Emergency Services (**ARES**) and **Radio Amateurs of Canada (RAC)**.

Your Directors work tirelessly to provide meeting topics that are informative and entertaining, events that are timely (Christmas meeting, field day, bus trip) and participate in events that display and promote Amateur Radio in the community.

To be effective in its pursuits, the Club needs the support of the local Amateur fraternity through membership.

While we obtain financial support from our Annual Flea Market, we require membership support to fund such things as meeting hall rent, repeater sites rent and maintenance, web site fees, membership cards and liability insurance. For what it's worth, none of these things are getting any cheaper.

The cost of membership has not changed for a number of years and even in the face of increased cost, we would like to keep it that way.

With more than 1000 'hams' in the London area, it's inconceivable that less than 10% support a pastime about which most of us are passionate.

PLEASE, make a choice and do your part to keep the **London Amateur Radio Club** alive and well by purchasing your membership at our next meeting (or by mail – details on our web site). The cost is still only \$25.00 (single) or \$30.00 (family residing at the same address).



Office Use Only	
<input type="checkbox"/> Paid	_____
<input type="checkbox"/> Cash	<input type="checkbox"/> Chq
Membership Card	
<input type="checkbox"/> Needed	<input type="checkbox"/> Rec'd
Sticker	
<input type="checkbox"/> Needed	<input type="checkbox"/> Rec'd

**LONDON AMATEUR RADIO CLUB INC.
MEMBERSHIP APPLICATION**

PLEASE PRINT

<input type="checkbox"/> SINGLE MEMBERSHIP: \$25.00	<input type="checkbox"/> RENEWAL
<input type="checkbox"/> FAMILY MEMBERSHIP: \$30.00	<input type="checkbox"/> NEW MEMBER

Member # 1	Last Name	First Name	Call Sign

RAC Member?	RAC Member #	ARES Volunteer?	Email Address
<input type="checkbox"/> No <input type="checkbox"/> Yes	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____

Member # 2	Last Name	First Name	Call Sign

RAC Member?	RAC Member #	ARES Volunteer?	Email Address
<input type="checkbox"/> No <input type="checkbox"/> Yes	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____

Member # 3	Last Name	First Name	Call Sign

RAC Member?	RAC Member #	ARES Volunteer?	Email Address
<input type="checkbox"/> No <input type="checkbox"/> Yes	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____

Member # 4	Last Name	First Name	Call Sign

RAC Member?	RAC Member #	ARES Volunteer?	Email Address
<input type="checkbox"/> No <input type="checkbox"/> Yes	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No	_____

Address: _____

Street/P.O. Box

_____	_____	_____
City/Town	Province	Postal Code

Phone Number

Date: _____

*All information requested should be completed - this will be used for the club's membership database only.
All LARC membership information is held in strict confidence.*

Please make cheque payable to: **London Amateur Radio Club Inc.**

Mailing Address: London Amateur Radio Club
c/o Membership Director, VA3MSV
P.O. Box 82, Station B
London, Ontario, N6A 4V3