

Message from the London Amateur Radio Club



Promoting Amateur Radio in London
And surrounding area since 1920

September 13, 2010

L.A.R.C. Executive

President

Doug Elliott, VA3DAE

Vice-President

David Lambert, VE3KKG

Past President

Doug Tompkins, VE3IDT

Treasurer

Brian Bouckley, VA3ATB

Secretary

Ruth Dahl, VE3RBO

Director, Flea Market

Ann Rundle, VA3EOR

Director, Membership

John Visser, VA3MSV

Director

Mike Watts, VE3ACW

Non-Voting

Director, ARES & CANWARN

Brett Gilbank, VE3ZBG

Appointments

LARC Repeater Coordinator

Brad Seward, VE3NRJ

Repeater

Operator/Programmer

David Young, VE3EAY

Field Day Coordinator

Dave Lambert, VE3KKG

Webmaster

Doug Elliott, VA3DAE

Newsletter Editor

John Visser, VA3MSV

Auditors

Rob Hockin, VA3HO
William Clothier, VE3BCU

Next Meeting Topic

The next **LARC meeting** will be on **Thursday, October 14**, at 7:30 PM. The October meeting will feature a presentation by Mark Bramwell on the new wave of low cost, high quality radios produced in Asia. These radios are a hot topic on QRZ.com and other ham related web sites. You too can have a sexy new dual-band handy for less than the price of a replacement battery in Toronto... AIR-MAIL shipping included in the price!!

Thoughts from the L.A.R.C. President

I hope everyone had an enjoyable summer, and found time for the 3 R's: Relaxation, Recreation, and Radio. One of the summer radio events was our provision of radio support for the Rona MS Bike Tour, which is a 2 day event with bikers heading from Grand Bend to London, and back again the next day. 11 Hams took part and thanks to the SORT network, had a highly successful event that the tour organizers were very happy with. It was a lot of fun, too!

It looks like there will be more of this type of community support in the coming year as well, including repeat participation in the MS Tour. As well, one of the MS Tour riders is starting another tour supporting Alzheimer's research in the Listowel area which we'll likely have a chance to participate in. An invitation we just received to provide communications support for a Search and Rescue Team competition is even more exciting because it's an outdoors event on Saturday February 5 right in the middle of winter. (And it's a trial run for an even bigger competition planned for next summer).

Our Basic Ham course starts on Saturday September 11 in partnership with the Salvation Army and their SATERN team. At this point we're hoping to bring 17 more people into the weird and wonderful world of Ham radio. We thank our volunteer instructors, and will be looking for Elmers willing to assist these newcomers, Goblin patrollers willing to take an interested rider, and maybe even a volunteer to start up the Elmer net again.

What activities you participate in is up to you of course. If following Search and Rescue teams around the woods in the depth of winter doesn't appeal to you, there are lots of other aspects of Ham radio to explore: from APRS to Zepp antennas, and everything in between. Doing the same old routine over and over again gets boring, so my advice is like the sports network: TSN - Try Something New.

Whatever and wherever your radio activities are this year, I hope being a Ham brings you happiness.

73,

Doug Elliott VA3DAE

President, London Amateur Radio Club

Area Repeaters

LARC Repeaters

London

VA3LON 147.060 + 114.8Hz

VE3MGI 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

VA3SIX 53.470 - 114.8 Hz

VE3OME 145.450 - 114.8 Hz
CANWARN

Grand Bend

VE3RGB 146.750 + 173.8 Hz

Stratfordville

VE3DPL 146.655 - 131.8 Hz

St. Thomas

VE3STR 147.330 + 114.8 Hz
Echolink Node: 72886

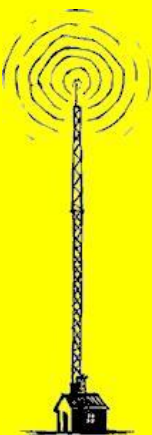
VE3STR 443.825 + 114.8 Hz
IRLP Node: 2482

Goderich

VE3OBC 146.910 - 123.0 Hz

Whitechurch

VE3WWD 443.075 + 123.0 Hz



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

Membership Report will be available in next months newsletter.

Nets



Daily

Trans Provincial Net
7.055 MHz 7:00 am – 5:00 pm

Sunday

Swap Net
7.055 MHz LSB 12:00 pm
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 8:00 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

If you have a Net 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.

2010/2011 L.A.R.C. Executive

The Executive for the London Amateur Radio Club for 2010/2011 are as follows:

L.A.R.C. President	Doug Elliott, VA3DAE
L.A.R.C. Vice President	Dave Lambert, VE3KGK
L.A.R.C. Past President	Doug Tompkins, VE3IDT
L.A.R.C. Treasurer	Brian Bouckley, VA3ATB
L.A.R.C. Secretary	Ruth Dahl, VE3RBO
Director, Flea Market	Ann Rundle, VA3EOR
Director	Mike Watts, VE3ACW
Director, Membership	John Visser, VA3MSV

We'd like to thank Pat Ross VE3CNX, who is stepping down as a director, for his diligence and support as a director, and welcome Dave to the position of Vice-President, and Mike Watts to the executive.

6m AM Net Established in Michigan

August 6, 2010

6 meter AM lives again. This with the announcement that stations in Michigan, North-West Ohio and North-East Illinois are invited to check out the Classic Radio Roundtable which starts every Sunday evening at 7:30 Central time on 50.4 MHz. The net control station is Gary Franklin, K8BKB, who is located in the city of Kalamazoo, Michigan. Most stations are running classic 1960's era vintage gear but all hams with any form of AM capability are invited to tune in and take part. (W9DZ, VHF Reflector)

New Distance Record For 10 GHz

August 6, 2010

The Radio Society of Great Britain reports that a new world distance record on 10GHz has been established between the Cape Verde islands and southern Portugal. At 10:46 UTC on July 10th the standing record was smashed by a SSB QSO ranging 2696 kilometers during the Hyperatlantica 2010 DXpedition. The previous distance record on this band had been 2070 kilometers. The Hyperatlantica operators eclipsed that by some 626 additional kilometers. (GB2RS) (ARN)

Upcoming Events CQ Magazine Launches Streamlined Website

Sun., Sep. 26, 2010

[33rd Annual 2010 London Amateur Radio Club Flea Market](#)

Located at the Western Fairgrounds Special Events Building. London, Ontario

Thu., Oct. 14, 2010

[L.A.R.C. General Meeting](#)

Located at the Ancaster Fairgrounds at corner of Highway 53 and Highway 52.

Sat., Oct. 16, 2010

[Hamfest 2010 – Hamilton Amateur Radio Club](#)

Located at the Ancaster Fairgrounds at corner of Highway 53 and Highway 52.

Sat., Nov. 6, 2010

[York Reg. ARC Hamfest 2010](#)

Located at the Markham Fairgrounds at 10801 McGowan Road on the North East corner of McGowan Road and Elgin Mills Road.

Sun., Jun. 5, 2011

[Central Ontario Hamfest & Fleamarket – Guelph ARC & Kitchener-Waterloo ARC](#)

Located at the Waterloo Regional Police Association Recreation Centre R.R. 2, 1128 Rife Rd. Beside Hwy 401, between exits 268 & 275
Location: 43.344939, -80.418376

September 2, 2010

CQ magazine has launched a new, easy-to-navigate website, and is celebrating with a special web-only discount offer.

The updated site, which features a clean new look and a streamlined user interface, completes a company-wide website upgrade for all four magazines published by CQ Communications, Inc.

The site features highlights of the current issue and links to selected content, as well as hamfest & special event listings, easy links to the CQ Writer's Guide, award and contest information, a comprehensive links section, special information for new and prospective hams, and direct links to advertisers' websites, as well as a direct link to CQ's Facebook page. Callsign lookup and a link to the online CQ archive are also included.

New material posted includes September issue highlights, expanded results of the 2009 CQWW CW Contest (as well as complete SSB results), a link for pre-ordering CQ's 2011-2012 Amateur Radio Calendar, and a special web-only offer for \$5 off any order of \$25 or more, including subscriptions (new or renewal) to all CQ publications.

"We have always had a tremendous amount of valuable information on our website," said Editor **Rich Moseon, W2VU**. "But because it has been added bit-by-bit over the years, some of it had become hard to find. Our new design makes it much easier for readers and prospective readers to access this treasure trove of ham radio information."

CQ Amateur Radio is the world's #1 independent amateur radio magazine, serving active hams since 1945. In print for more than 65 years, it is one of the longest-running magazines in publication today. CQ is published by CQ Communications, Inc., which also publishes Popular Communications, CQ VHF and WorldRadio Online magazines.

The new CQ website may be accessed at <http://www.cq-amateur-radio.com>

CQ VHF Magazine Introduces New Web Design

August 13, 2010

And continuing its company-wide update of its magazine websites, CQ Communications, Inc. has announced the launch of a new and easier-to-navigate website for CQ VHF magazine. Like the recently updated sites for WorldRadio Online and Popular Communications, the new CQ VHF site features a cleaner look and a streamlined user interface to make it quicker and easier for visitors to find what they are looking for.

The CQ VHF Website update coincides with posting of the highlights for the Summer 2010 issue. Current highlights include sample pages in full-color layout. This to give prospective readers the ability to see what the magazine itself looks like in print. Also on the updated site are segments of previous issues reaching back to 2006.

CQ VHF is a quarterly magazine edited by Joe Lynch, N6CL devoted to "Ham Radio Above 50 MHz." First published in 1996, it combines articles designed for newcomers with historical and technical features best appreciated by more experienced VHF operators. You can browse the new web layout at www.cq-vhf.com. (CQ Publishing)

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.

September Is National Preparedness Month

August 27, 2010

September is National Preparedness Month and if you haven't done so already, you might want to consider joining your radio club or repeater group to the National Preparedness Month Coalition.

National Preparedness Month is designed to encourage Americans to take simple steps to prepare for emergencies in their homes, businesses, and communities. Membership in the National Preparedness Month Coalition is open at no cost to all public and private sector organizations. By joining the Coalition your organization would agree to promote emergency preparedness during the month of September.

Once you register you will receive access to the National Preparedness Month Web site where you can find a toolkit that includes templates, resources, and tips to assist you with promoting emergency preparedness. You will also find an National Preparedness Month calendar where you can post your events and see what other organizations are doing in your community. In addition, can share your success stories and read about the successes of others.

To learn more about National Preparedness Month visit www.ready.gov. So far, more than 2,800 organizations have signed up. The goal is 3,200. (READY Campaign release)

Astronaut Chris Hadfield, VA300G/KC5RNJ to be ISS's First Canadian Commander

September 3, 2010



US Space Shuttle Endeavour astronaut Canadian Chris Hadfield peers in a shuttle window, 22 April 2001, after successfully setting up the Canada Arm 2 on the Destiny module of the International Space Station during first spacewalk. AFP PHOTO/NASA PHOTO

Les Perreux

MONTREAL — From Friday's Globe and Mail

Published on Friday, Sep. 03, 2010

No Canadian has ever led a mission in space, so Chris Hadfield's promotion to lead the International Space Station in 2013 is a plum without precedent.

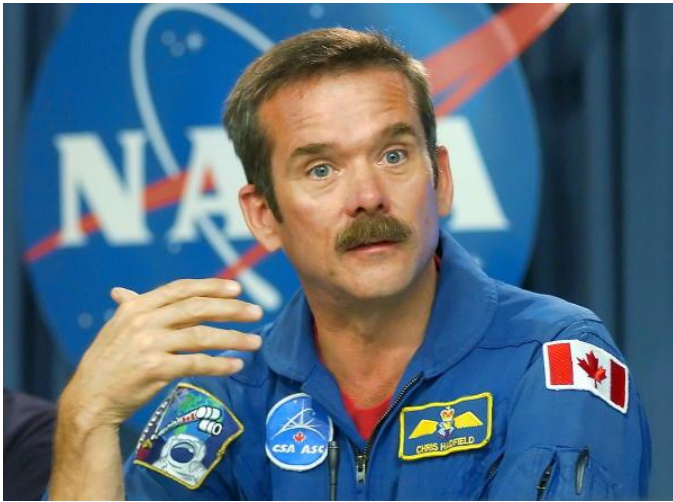
As the most junior partner among the five space agencies building the space station, Canada is entitled to only one per cent of crew time on the station. With his elevation to the key post announced on Thursday, Mr. Hadfield is getting the most out of Canada's latest allotment.

A former CF-18 fighter and test pilot, Mr. Hadfield, 51, is qualified to fly many aircraft. They include

the Russian Soyuz capsule – the only means of emergency escape for the astronauts aboard the space station. It's just one detail on the resumé of the astronaut, aviation systems scholar, ski racer and guitar player.

But he prefers to frame his promotion as part of a long legacy of national achievement, starting in 1962, when Canada became the third country to send a satellite into space, and continuing next year when the Canadarm2 puts the finishing touches on the space station.

"We've definitely been at the vanguard and building on our expertise. Based on what we've proven, we were trusted to build the space station. That didn't come because we outbid somebody. It was because of our proven capability," Mr. Hadfield said.



PETER COSGROVE/AP

Astronaut Chris Hadfield gestures during a Canadian Space Agency news conference Saturday, Aug. 26, 2006 at the Kennedy Space Center.

Mr. Hadfield took his first leadership course as a 13-year-old military cadet and retired from the Canadian Forces as a colonel. On the space station, he will lead up to six astronauts.

"It's actually a very flat command structure; there are very few decisions I'm going to make unilaterally. It would mainly be when there is a time constraint, such as when we have a fire or a leak," he said.

Mr. Hadfield holds a rare combination of qualifications for the job, but Canada's small but key role in providing the robotics that built the station add to the logic of his appointment by NASA, experts say.

Mr. Hadfield helped unwrap Canada's contribution, officially known as the Mobile Servicing System, during two 2001 spacewalks at the space station. He visited the Russian space station, Mir, in 1995.

Unlike its partners, Japan, Russia, [the United States](#) and Italy, Canada has no high-profile section of the space station bearing its flag. Instead, it's robotics, best known by the main part, Canadarm2, have assembled the modules that make up the structure.

"It's easy to draw flags on different modules. That's superficial. It's harder to envision what kind of space station we would have been limited to without these robotics," said James Oberg, a former NASA mission controller.

Mr. Oberg said the precision of the arm made possible simple improvements like large doorways that will allow outdated equipment to be replaced over the station's lifespan.

"I don't think there is enough appreciation north of the 49th that this is not just an add-on," said Mr. Oberg, now an author and consultant based in Galveston County, Texas.

Canada has contributed some \$1.4-billion to the tens of billions that have gone into constructing the station.

Agencies from the U.S. federal General Accounting Office to Industry Canada and the European Space Agency have all attempted to tally the station's cost.

Estimates for the U.S. share alone range from \$35 billion (U.S.) to \$100 billion. (NASA doesn't include the cost of space shuttle missions in the tally. Other agencies do.) Other players, such as Russia, don't provide any detailed accounting.

The European Space Agency has estimated the entire cost at 100 billion euros.

Each space agency has been allotted crew time under an agreement. According to the U.S. General Accounting Office, Russia gets half while the rest is divided among the United States (38 per cent), Japan (6 per cent) Europe (4) and Canada (1). All of the main partners in the space station will get turns at the helm, Mr. Oberg said.

Mr. Hadfield is scheduled to rocket to the space station in late 2012. He will assume command a few months later. He will spend a total of six months in orbit.

Montenegro Accepted To IARU Membership

September 3, 2010

The Montenegrin Amateur Radio Pool formed in October 2008, has been accepted as the International Amateur Radio Union member society. 65 votes were returned to the IARU International Secretariat with 63 votes in favor of admission and 2 abstentions.

The Republic of Montenegro, callsign prefix 4 Oh, declared its independence on June 3, 2006 following a national referendum. It was admitted as the 192nd member of the United Nations on June 28th of that year. (IARU) (ARN)

Homebrew Software Defined Radio

August 17, 2010

VK3YE has made available a video showing a demonstration of his homebrew software defined radio.

The YouTube description reads: Testing a very basic software defined radio on the 80 and 40 metre amateur bands.

Uses the easy to use SDRadio software developed by I2PHD and a simple hardware interface which is a direct conversion receiver without audio filter or amplifier stages.

Apart from an RF amplifier (not really necessary) all the receiver's gain comes from the computer (microphone in used, not Line in).

This is a very 'bare bones' implementation for use with a low-end laptop with a mono soundcard input. Unlike a 'proper' SDR there is no image rejection. Hence signals will appear twice on the spectrum display (one USB and the other LSB) and some juggling may be required to dodge interference. Also signal to noise ratio will never be as good as a single-signal receiver.

The hardware unit comprises of (i) transistor VFO (using ceramic resonators for 3.58 MHz (80m) and 7.2 MHz (40m), (ii) buffer stage, (iii) single balanced diode product detector and (iv) transistor RF amplifier (optional). Your favourite direct

conversion receiver circuit without audio filtering or amplification would work fine.

This unit is USB powered but a 9 volt battery would also be OK if you want to keep it independent from the computer (this also helps reduce interference radiated from the computer).

Performance isn't as good as a home station rig but in some aspects is better than a basic direct conversion receiver. The AGC is a bit slow for my liking and it would be good to have an option to switch it off.

There is a slight delay between when you adjust a setting and when the resultant audio is produced. A weak signal is generally clearer and less noisy on the commercial rig as well. And tuning can be fiddly when trying to null out an interfering signal on the opposite image (a full SDR with stereo sound card would fix this).

Nevertheless for its simplicity this is an amazing receiver and would be a good beginners project.

Watch - Homebrew software defined radio - a demonstration

http://www.southgatearc.org/news/aug...mebrew_sdr.htm

SDRadio software by I2PHD

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

ROS Development Will Continue

August 6, 2010

It appears that the author of the new amateur radio digital mode software R-O-S has had a change of heart, and has reversed his earlier decision to discontinue development work on the project.

According to the Radio Society of Great Britain's news service, the software's author, Jose Alberto Nieto Ros, told GB2RS that he will be implementing new modes and enhanced facilities. He says that

the most recent development is an auto reporting system linked into the PSK-Reporter system

The latest version of R-O-S is available for download at www.rosmodem.wordpress.com. Unfortunately, R-O-S still appears to be illegal to transmit by United States hams, but rumors about that its supporters may soon petition the FCC to legalize the mode which is growing in popularity world-wide. (GB2RS, Southgate) (ARN)

Emerging Ham Technology: VK2DGR Releases Royalty Free Digital Voice Codec

September 3, 2010

An exciting development in the world of ham radio digital audio. This as David Rowe, VK5DGR, announces the release of Version 0.1 alpha of

Codec2, which is a fully function 2550 bit per seconds codec for Amateur Radio digital voice.

As previously described here on Newline, Codec2 is an open source low bit rate speech codec

released under the GNU Lesser General Public License designed for communications quality speech use.

Applications include low bandwidth High Frequency and VHF digital radio. Its supporters say that Codec2 fills a gap in open source, free speech voice codecs operating beneath the 5000 bit per second rate and to listen to some sample audio in both male and female voices makes you believe that Rowe has succeeded:

Those who support Codec2 claim that the lack of a copyright free Codec has impeded the development of amateur radio digital voice communications on both the High Frequency and VHF bands. They hope that Codec2 will eventually be incorporated into DV software such as WinDRM and FDMDV which has so far relied on a non open source Codec.

Further information on Codec2 along with more audio samples are on line at tinyurl.com/36mx63e (Southgate) (ARN)

Emerging Technology: Silicon Graphite Lion Battery Holds Double The Power

August 27, 2010

Imagine doubling or tripling the time you can operate your H-T on a single battery charge. Researchers at Austria's Institute for Chemistry and Technology of Materials of Graz University of Technology have developed a new method that utilizes silicon for lithium-ion batteries. Its storage capacity is ten times higher than the graphite substrate which has been used up to now, and promises considerable improvements for users.

In the newly developed process, researchers utilize a silicon-containing gel and apply it to the graphite substrate material. In this way the graphite works

as a buffer, cushioning the big changes in volume of the silicon during the uptake and transfer of lithium ions. As silicon has a lithium-ion storage capacity some ten times higher than the up-to-now commercially used graphite, the new material can store more than double the quantity of lithium ions without changes to the battery lifetime.

The new findings came to light in the "NanoPoliBat" EU project. They have been recently submitted to the patent office by researchers together with their co-operation partner Varta Microbattery. (Science OnLine) (ARN)

Sun Emits CME Toward Earth

August 6, 2010

If you noticed some strange propagation or lack of it during the week of August 1st, there is a reason. During the early hours of August 1st a complex eruption on the sun sent a coronal mass ejection or C-M-E toward Earth. NASA's Solar Dynamics Observatory recorded a complex global disturbance on the Earth-facing side of the sun. Most of the sun's northern hemisphere was involved in the event, which included a long-duration class C 3

solar flare and a massive filament eruption. As a result of these blasts, the coronal mass ejection was sent out into space with Earth as one of its targets. This means that high latitude geomagnetic storms and auroras were possible when the cloud arrived at our planet. More information is on-line at spaceweather.com. (VHF Reflector, Spaceweather, others) (ARN)

AO-51 Back In Service After Outage

August 13, 2010

Turning to ham radio space related matters, AMSAT Vice-President of Operations, Drew Glasbrenner, KO4MA, reports that after a brief outage aboard AO-51 reported on Saturday, July 31 that the ham radio satellite had been restored

to service. The 145.92 slash 435.300 repeater was set to run with the 67 Hz tone required to activate the satellite. Power output was reported as 740 milliwatts. (ANS) (ARN)

SO67 Operational On Almost A Daily Basis

August 27, 2010

The Sumbandillasat SO-67 South African ham radio satellite is again operational over that nation on almost a daily basis. However, its availability is

somewhat limited due the current image downloading schedule. More details are on line at www.amsatsa.org.za. (SARL) (ARN)

ISS Cooling System Affects ARISS Contacts

August 20, 2010

A cooling system failure on the International Space Station has impacted ARISS operations. On August 11th, NASA astronauts successfully completed the second of three to four space walks in an effort to replace a faulty ammonia pump module on the International Space Station's truss. One that has forced cutbacks in other word abroad the orbiting outpost including time that astronaut hams are spending on the air.

Since July 31st the space station has been operating at half its usual cooling capacity utilizing the one remaining cooling pump. This forces the astronauts to power down equipment to prevent overheating on the ISS.

As this newscast is prepared, it has already taken almost 16 hours space walks or E-V-A's for

astronauts to remove and replace the failed cooling pump in an effort to bring the ISS back to full capacity. As a result, ARISS ham radio operations which include both voice and packet have been given a low priority until the problem is resolved.

Back at Johnson Space Center in Houston, Texas, Space Station Program Manager Michael Suffredini says that a third space walk was planned to install the replacement and a fourth likely will be needed to put the defective pump into its storage place. These may have taken place by the time this newscast goes to air.

Attempts are being made to carry out scheduled ARISS contacts, but with the understanding that they may be cancelled at the last minute. (NASA NEWS, ARISS, ANS, VOA) (ARN)

Two ARISSats To Head To Russia In September

August 27, 2010

Two ARISSat Amateur Radio satellites should be shipped to Russia in September with a launch slated for January 2011. Both birds are now manifested on Progress 41P to get ARISSat's to the ISS.

Actually four ARISSat satellites have been assembled in Orlando, Florida. The two Russian flight units are assembled, electronics are undergoing operational tests, software is close to being the final version and the team expects to have the satellite complete and ready for vibration

tests shortly. However no date has been finalized for the vibration test to take place.

According to the team building the birds NASA has been very instrumental in getting ARISSat an export license, arranging for transportation to Russia and helping clarify how the satellite will be attached to the Progress vessel. Shipping the two satellites to Russia in September will provide enough time to install the Kursk experiment, test their battery with the satellite and do additional tests before shipping to Baikonur Cosmodrome in Kazakhstan for launch. (WA4SXM) (ARN)

Burning Water CubeSat Concept

September 3, 2010

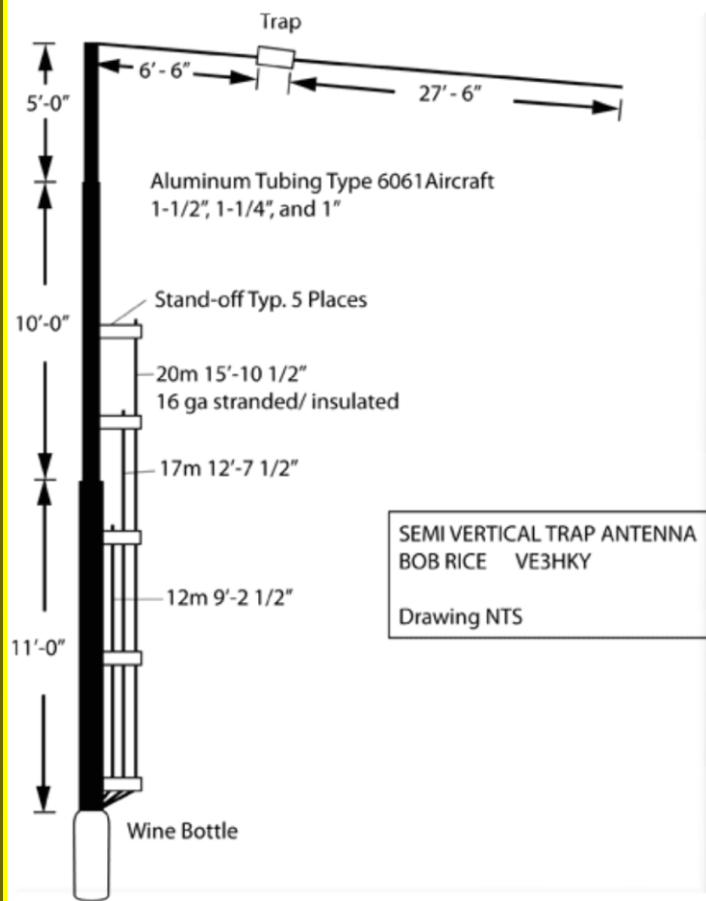
Two videos on YouTube video show the concept for a CubeSat propulsion system using plasma electrolysis of water. This prototype shows that thrust can be produced by plasma electrolysis or

burning water so to speak. You can view these videos on-line at tinyurl.com/2csky34. (Southgate, ANS) (ARN)

DRAW TICKETS \$ 5 each

FOR

A Bob Rice's 7 Band Semi- Vertical Trap Antenna



Tickets will be available at L.A.R.C. Membership and Bring and Buy Tables

Draw will be made at the Fleamarket

All parts for the antenna are included – even the wine bottle

Bob Rice, VE3HKY will help the winner with any questions and if needed the assembling of the antenna.

For more information go to <http://sites.google.com/site/trapantenna/about-the-antenna>

LONDON AMATEUR RADIO CLUB

33rd ANNUAL

2010 FLEA MARKET

SUNDAY, SEPT. 26th

9.00 AM TO 1.00 PM

VENDOR SETUP: 7:30 AM

BOOK EARLY AND SAVE ON ADMISSION

ADMISSION: \$6.00, (Age 10 and up)

TABLES: \$ 10.00



LOCATED AT THE
WESTERN FAIR GROUNDS
SPECIAL EVENTS BUILDING
LONDON, ONTARIO



Talk in VA3LON. 147.060 PL 114.8

Free Parking ~ Air Conditioned

Commercial Dealers ~ Snack Bar Facilities

Wheelchair Accessible with Handicap Washrooms

Bring & Buy: Let LARC sell your item(s) at our club table.

{2 items max} INFO: <http://www.larc.ca/larctable.html>

Inquiries: Email

LARChamfest@gmail.com

Note: All email answered within 72 hrs

Phone: (519) 238-1542 (Ann)

Make Cheque or Money Order Payable to

"London Amateur Radio Club Inc"

(not to Ann Rundle) and mail to:

Ann Rundle VA3EOR

36797 Crediton Rd RR2

Dashwood, On N0M 1N0

ATTENTION 2010 FLEA MARKET VENDOR

Book early, tables are booked on first come first served basis. Loading door available. We do not reserve unpaid tables. No separate hydro for tables BUT there will be a test table with power for seller demonstrations. Only two vendors passes allowed per vendor prior to doors opening on the day of the flea market. Vendor passes will not be sold without table sales. Table information and site Map will be sent to you in your vendor's conformation package.

***Book early (before Aug 1st) and 1 vendor admission is reduced to \$ 4**

Name: _____ Admission(s) x \$ 6 (\$ 4) _____

Callsign: _____ Table(s): x \$ 10 _____

Total: = _____

Email address: _____

Mailing address: _____ City _____ PO code _____

Phone: _____

Talk in VA3LON, 147.060 PL 114.8

N 42.9876 W 81.2213



L.A.R.C. Bring-and-Buy Table



Based on the success of the bring-and-buy table the past several years, we have decided to offer it again this year!

The situation:

Many people like to come to our hamfest and look around and have a good time.

Not many are willing to rent a table because they might only have 1 or 2 items for sale or they simply do not want to sit there all morning dealing with the endless stream of people asking the same questions over and over again.

Solution: This year the club will have a bring-and-buy table.

Here is how it works.... You do not rent a table but you come to the hamfest as a buyer. You also bring your 1 or 2 items and go to the LARC table. We will take the item(s) and fill out a for-sale card that describes the item plus your asking price. It will cost you a loonie (\$1) to leave your item on the club table. When the item sells, you will pay us 5% as a commission. If your item does not sell, you pick it up at the end of the hamfest and the only cost to you was the \$1 that you left earlier in the day. For example: If you asked us to sell your mobile radio, you might put a \$200 price tag on the unit. You left a dollar behind as payment. When we sold your radio, we keep a total of 5% which is normally \$10. Since you already paid a buck, we only keep \$9 giving you back \$191.00.

The rules are simple:

- We are only willing to sell one or two items per person. We are not trying to displace our normal table rentals.
- It costs a dollar per item to have it placed on our table
- We will retain 5% as a sales commission when the item sells.
- Please be reasonable with your pricing; it doesn't do either of us any good if you are asking an extremely high price for boat anchors. Radioworld is a good place to compare prices because they have both a new and used section on their webpage.

How to Support Your Flea Market



The most obvious way to support your hamfest is to **attend**. We charge a small admission for people to enter the flea market. Bring a friend or two. The standard ham-radio flea market of today contains several non-ham radio items and has the interest of a broader audience.

Rent a table. Many of you have high-quality, under-used equipment that is begging to be updated. Seize the opportunity to sell your old equipment and of course buy new stuff! Start cleaning out your closets and garages NOW and have your goods ready for sale on Sept 21st.

Another way to support the flea market is to **volunteer**. We need some people for various activities such as security and setup/teardown on the day of the hamfest. Please send me an email letting me know you are interested in helping. The real measure of success of a flea market is what happens next year. Many of the SW-Ontario area hamfests are dying due to lack of vendors which has the side-effect of buyers not willing to show-up in subsequent years. We are lucky because some large vendors such as Radioworld, Durham Radio, Maple-Leaf Communications and TGM Communication have already committed to be a vendor for our 2010 hamfest. Radioworld (and other larger commercial vendors) no longer appear at many of the smaller hamfests which in essence was the last nail in the coffin of those hamfests.



MEMBERSHIP INVITATION

-- Membership application and dues are currently requested.

Our term of membership runs from October 1 to September 30 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

SINGLE MEMBERSHIP: \$25.00 RENEWAL
 FAMILY MEMBERSHIP: \$30.00 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