

# Message from the London Amateur Radio Club



Promoting Amateur Radio in London  
And surrounding area since 1920

April 28, 2013

## L.A.R.C. Executive

### President

David Lambert, VE3KGK

### Vice-President, Membership

John Visser, VA3MSV

### Past President

Doug Elliott, VA3DAE

### Treasurer

Brian Bouckley, VA3ATB

### Secretary, Flea Market

Ruth Dahl, VE3RBO

### Director, Flea Market

Ann Rundle, VA3EOR

### Director, Repeaters

Mike Watts, VE3ACW

### Director, Field Day

Pat Ross, VE3CNX

### Non-Voting

### Director, ARES & CANWARN

Brett Gilbank, VE3ZBG

## Appointments

### Repeater Coordinator

Brad Seward, VE3NRJ

### Repeater

### Operator/Programmer

Vacant

### Field Day Coordinator

Pat Ross, VE3CNX

### Webmaster

Doug Elliott, VA3DAE  
Doug Tompkins, VE3IDT

### Newsletter Editor

John Visser, VA3MSV

### Auditor

Rob Hockin, VA3HO

## May L.A.R.C. Meeting

The next meeting will be on Thursday, May 9th and will feature a presentation by Eric Meth, VE3EI, about remote base operation. Hopefully he will be able to provide a live demonstration.

## Is Your Address Up To Date?

It has become apparent, through examination of records maintained by Industry Canada and by Radio Amateurs of Canada, that the Canadian callsign database is becoming corrupted by inaccurate information. One of the prime reasons for this is the failure of some Radio Amateurs to advise IC of address changes.

Amateurs are reminded of Section 15 of [Regulation By Reference 4](#) (RBR-4), which states:

*"The holder of an Amateur Radio Operator Certificate shall notify the Department within thirty (30) days with respect to a change of mailing address."*

Please note that this refers to a MAILING address and that it is not an option but **a requirement**.

You can inform Industry Canada of your change of address [online](#) or you can contact the Industry Canada Amateur Radio Service Centre at:

Phone: 1-888-780-3333 (toll free)

Fax: (613) 991-5575

E-mail: [spectrum.amateur@ic.gc.ca](mailto:spectrum.amateur@ic.gc.ca)

Industry Canada Amateur Radio Service Centre  
P.O. Box 9654 Postal Station "T"  
Ottawa, ON  
K1G 6K9

If you are a RAC member you will also need to advise RAC of your address change. You can update your address in "[My profile](#)" in the [member section](#) of the RAC website so that we can keep your copies of *The Canadian Amateur* going to your correct address.

Thank you for ensuring that IC's and RAC's databases are accurate and up to date.

## Next Meeting is Where and When?

**Reminder: The next monthly L.A.R.C. meeting on May 9, 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 June 13, 2013. This meeting will be our Annual General Meeting.

## Area Repeaters

### LARC Repeaters

#### London

VA3LON 147.060 + 114.8Hz

VA3MGI 145.390 - 114.8Hz

### SHORT 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

VA3FEZ 444.100 + 114.8 Hz

#### Grand Bend

VE3RGB 146.760 + 173.8 Hz

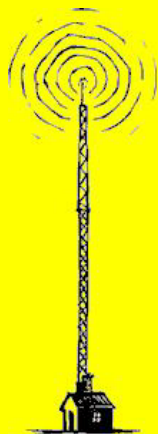
#### Stratfordville

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](mailto: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](mailto: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

Currently the membership for the London Amateur Radio Club stand at 99. Of the 16 Honorary Members brought in from the L.S.R.C., 4 have paid for the current 2013/2014 year. For the 2013/2014 year, we so far have 20 new members.

I would like to welcome the following new members.

Gary Burton, VE3JEA

Don Cameron, VA3AKT

Geoffrey Clark, SWL

Tim Clark, VE3WGH

Corbin Lippert, VE3NIS

Rob Luzius-Vanin, VA3LTZ

Maryann Mosley, VA3FMV

Todd Mosley, VE3FMV

Sarah Nethercoot, VA3AKV

Mac Goodyear, VA3MGA

Jason Pollock, VA3QIX

Jim Rivers, VA3DVT

Joshua Sandor, VA3EFT

Don Stefanik, VA3KBC

Zachary Seguin, VA3ZTS

Darrell Smiley, VE3DLY

Alan Zhang, VA3ZHN

Gary Wabersich, VE3XDM

Jay Gall, SWL

Simon Wilton, G7HCD/VA3SII

## 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

# 2013/2014 L.A.R.C. Executive Elections

It is that time of year again for us to think about the lineup for the club's executive members for 2013-2014.

Every May we decide who will be responsible for the handling of the money, physical resources, and determining the future direction of the club.

The club's executive requires at least 7 members each year and if you are interested, we request that you make yourself available one night per month to go over club business.

Some of us have been on the executive for several years and enjoy the experience.

We have some simple rules

1. Any current member of the club can request to be a member of the club's executive and added to the ballot.
2. Only members in good standing can vote (must be a paid member)
3. We must have a quorum (at least 25 members in good standing) in order to hold a valid election.

Some of the activities that require planning, coordination or at least some monthly discussions: Monthly meeting topics, fund raising, flea market, field day, repeaters & other equipment, extra activities.

We currently meet the 4th Thursday of the month from 7:30 pm to about 9:00 pm. All club members are invited to attend any executive meeting. If you have some interest but are unsure, and want to come and see what we do, just check with one of the executive as to where we are meeting.

The next page is a snip from the club's by-laws that specifically deal with the election process.

## Upcoming Events

Sun., Jun. 2, 2013

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

Waterloo Regional Police Association Recreation Centre, R.R. 2, 1128 Rife Rd. North Dumfries Township. Beside Hwy 401, between exits 268 & 275

Sat., Jun. 22, 2013 to

Sun., Jun 23, 2013

[ARRL Field Day](#) – London Amateur Radio Club

Reservoir Park, London, Ontario. More details to follow later.

Sat., Jul. 13, 2013

[Ontario Hamfest](#) – Burlington Amateur Radio Club

Milton Agricultural Fairgrounds, Milton, Ontario

Sat., Oct. 5, 2013

[HARC Hamfest 2013](#) -

**Hamilton Amateur Radio Club**

Concession Building at the Ancaster Fair Grounds, 630 Trinity Road, Ancaster, ON

Sun., Sep. 22, 2013

**London Amateur Radio Club Hamfest – London ARC**

**NEW LOCATION** - Hellenic Community Centre, 133 Southdale Road, London, Ontario

### 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](mailto:va3msv@hotmail.com) and I'll add it to the list.

# 2013/2014 L.A.R.C. Executive Elections

*from the LONDON AMATEUR RADIO CLUB  
INCORPORATED - BY-LAW #1*

## 3. Board of Directors

3.1 The day-to-day affairs of the Corporation shall be arranged by a Board of Directors composed of 7 selected Directors, 1 non-voting Director appointed by the Amateur Radio Emergency Service (A.R.E.S.) and the Past President of the Corporation.

3.3 To be eligible to stand for election to the Board of Directors one must be a member in good standing for at least 30 days prior to the Annual Meeting at which members of the Board of Directors will be elected.

*This year's Annual Meeting will be held May 10, 2011*

3.4 A Nominating Committee shall be struck by the President at least 90 days prior to the Annual Meeting and it shall begin its activities immediately upon being appointed.

3.4.1 The Committee shall be composed of three members in good standing. The Past President shall be the Chairperson of the Committee.

3.5 The recommendations of the Nominating Committee shall be presented to the Board of Directors. The Board shall cause such report to be published in the L.A.R.C. Newsletter, which will be sent to all members in good standing as notice of the Annual Meeting. Such report shall also outline the procedure pertaining to additional nominations.

3.6 Additional nominations may be received by the Secretary up to 12 hours prior to the Annual Meeting if submitted by a member in good standing supported by the written agreement of 4 other members and the written acceptance of the nominee.

3.7 The election of the Board of Directors shall take place at the Annual Meeting of LARC. The Directors shall be elected by a simple majority vote of the members. The Directors shall take office on July 1 of that year.

Please contact the L.A.R.C. Secretary Ruth Dahl, VE3RBO, if you have any nominees or questions. You can reach me at [ragann61@hotmail.com](mailto:ragann61@hotmail.com).

## HF Corner for March 2013

by John Visser, VA3MSV - Filling in for Dave Lambert, VE3KGK this month

Next 2 years	VP8LP	Falkland Islands	
until March 2014	9X0ZM	Rwanda	80 - 6 m
Mar 23 to May 31	ST2FT	Sudan	HF + VHF
Mar 16 to Apr 30	5Z4	Kenya	160 - 6m CW/SSB/Digital - Spare Time Op
Apr 07 to May 08	5H3MB	Tanzania	HF - Spare Time Op
Apr 15 to Apr 30	6O0LA	Somalia	160 - 6m CW/SSB/Digital - Spare Time Op
Apr 15 to Apr 30	ZK3N	Tokelau	80 - 10m CW/SSB/RTTY
Apr 18 to May 02	TO4IPA	Martinique	SSB/CW/RTTY/PSK
Apr 20 to May 30	5U9AMO	Niger	80-10m CW - Holiday Style Op
Apr 20 to Apr 30	TO5PX	Martinique	Holiday Style Op
Apr 22 to Apr 28	ZC4BS	Cyprus SBA	HF SSB/CW
Apr 22 to May 04	JD1BMH	Ogasawara	40 - 10m CW/SSB/RTTY, perhaps 80m also
Apr 23 to Apr 30	TR0A/p	Gabon	
Apr 23 to Apr 30	8Q7KP	Maldives	
Apr 24 to Apr 30	Z81X	South Sudan	Spare Time Op
Apr 25 to May 08	ZK3N	Tokelau	80 - 10m SSB/CW/RTTY
Apr 26 to Apr 28	5H1DX	Tanzania	CW
Apr 26 to May 02	5B4	Cyprus	Focus on WARC Bands and Digital Modes
Apr 26 to May 05	6V7T	Senegal	SSB PSK
Apr 27 to May 01	NH0J	Mariana Is	80-10m; CW SSB RTTY
Apr 27 to May 03	VP2MRV	Montserrat	40-10m; CW RTTY
Apr 27 to May 04	V25PM	Antigua	CW SSB PSK31 holiday style operation
Apr 27 to May 04	TS8IT	Tunisia	HF & 6m SSB/PSK31/RTTY/CW
Apr 28 to May 04	JD1BLY	Ogasawara	40 - 10m SSB/CW
Apr 28 to May 05	JD1	Ogasawara	All Bands All Modes
Apr 29 to May 03	ZD8RH	Ascension Is	mainly CW; spare time operation
Apr 29 to May 05	V63	Micronesia	80 - 6m SSB/CW/RTTY/JT65
Apr 29 to May 06	TS8TI	Tunisia	HF & 6 m CW/SSB/RTTY/Digital Modes
Apr 30 to May 07	FO	French Polynesia	CW/RTTY/PSK
May 01 to May 03	9M2SE	Perhentian Besar Is	40 - 10m CW/SSB and some Digital Modes
May 01 to May 07	A35UD	Tonga	40 - 10m CW/SSB/RTTY
May 01 to May 31	5T1FOC	Mauritania	
May 02 to May 05	VU7KV	Laccadive Is	
May 02 to May 05	KH0	Mariana Is	HF; all modes
May 03 to May 05	OH0	Aland Is	80 - 10m CW/SSB/perhaps Digital
May 03 to May 12	VK9NT	Norfolk Is	SSB/CW/RTTY
May 03 to May 13	VK9NT	Norfolk Is	80 - 10m CW/SSB/RTTY
May 03 to May 14	E51AAO	South Cook Is	40 - 10m SSB
May 03 to May 19	SU8N	Egypt	HF
May 04 to May 18	V31RD	Belize	80 - 6m SSB
May 05 to May 22	A35JP	Tonga	80 - 10m CW/SSB
May 06 to May 09	GJ	Jersey	
May 07 to May 11	C91GR	Mozambique	40 - 10m CW
May 07 to May 31	E51AGY	South Cook Is	CW
May 08 to May 12	KH0	Mariana Is	HF All Modes
May 08 to May 15	FO/a	Austral Is	CW/RTTY/PSK
May 09 to May 16	VP2E	Anguilla	40 - 10m CW/SSB/RTTY
May 11 to May 12	TO1PF	Reunion	HF All Modes
May 12 to May 20	CT9	Madeira	SSB/CW/PSK31
May 13 to May 26	8Q	Maldives	20 m CW, perhaps SSB
May 13 to May 30	6V7S	Senegal	HF
May 15 to May 28	5B4ALB	Cyprus	
May 15 to Aug 2014	T6JP	Afghanistan	160 - 6m SSB/CW
May 15 to Jun 15	ZS8	Marion Is	40 - 10m; SSB/Digital
May 23 to May 27	XP2I	Greenland	CW only; QRV for CQ WPX CW contest
May 24 to May 30	MJ	Jersey	160 - 2m SSB/CW/PSK

## NCDXF Announces Major Grant To FT/Z Amsterdam Is. DXpedition

April 12, 2013

The Northern California DX Foundation has announced a grant of \$50,000 to the upcoming FT/Z Amsterdam Island DXpedition currently planned for January and February of 2014. This is the second largest grant in the history of the

Northern California DX Foundation history. Amsterdam is number 4 on the DX Magazine's Most Wanted List of rare DX locations for 2013. Check [www.amsterdamdxf.org](http://www.amsterdamdxf.org) in the near future for more DXpedition details. (NCDXF)

## International Lighthouse & Lightship Weekend

April 25, 2013



Registrations are higher than at this time last year, guaranteeing there will be plenty of activity from lighthouses and marine beacons in August.

Some 40 per cent of all registrations are from Australia and Germany, with 40 each so

far.

The 16th annual fun event has attracted 29 nations from Argentina through to Wales.

For information about the International Lighthouse and Lightship Weekend on August the 17th and 18th or to register online, visit the dedicated website at [illw.net](http://illw.net)  
*Jim Linton, VK3PC*

## International Lighthouse & Lightship Weekend Reaches A Milestone Of 200

April 26, 2013

The honor of being the 200th registrant for this year's International Lighthouse and Lightship Weekend goes to the Whitby High Light in England.

Built in 1858 the Whitby High Light helped ships avoid the Whitby Rock, on the North Yorkshire coast. It's well known as the place Captain James Cook became a seaman before leading his epic voyages of discovery.

The special event call GB2WHL will be operated from the lighthouse by the Denby Dale Radio Club. A special QSL card is available on request.

So far there are registrations from 29 countries. To read the guidelines for the International Lighthouse and Lightship Weekend slated for August the 17th and 18th or to register a lighthouse, lightship or maritime beacon on-line, please visit [illw.net](http://illw.net).  
*(VK3PC)*

## WB8BZK To Activate Grid EO-40 On 6 Meters

April 26, 2013

On the air, VUCC grid hunters who need Canadian grid E-Oh-40-ud may want to listen for WB8BZK/VE3 who will be on the air from Seseganaga Lake in Ontario Province between May 26 and the 31. He will be operating only on 6 meters primarily on 50.135 MHz running SSB and

CW only. Operating times are tentatively each morning at 12:30 UTC and then again between 22:30 and 23:00 UTC each evening. If you make contact, please QSL with a self addressed stamped envelope to WB8BZK at his address on QRZ.com  
*(WB8BZK)*

## Dutch National Windmill And Waterpump Station Weekend

April 26, 2013

The special event call PD13MILL will be on the air May 10th to the 12th in honor of the Dutch Windmill and Waterpump weekend. Operators will be PD5JFK, PD0ME and PD7BZ and they will have three Stations active at the same time on 40, 20 and 10 meters using SSB and the digital modes. A

2 meter station for local contacts will be operational as well. QLL via PD7BZ, direct, via the bureau or electronically on Logbook of the World or eQSL. Information about Mills on the Air is on the web at [www.pd6mill.com](http://www.pd6mill.com). (Southgate)

## Special Event Station To Honor Code Talkers

April 19, 2013

The Lawton Fort Sill Amateur Radio Club will be hosting a special event from May 8th to the 11th at the Comanche National Museum in Lawton, Oklahoma. This to commemorate the work of the Comanche Code Talkers of World War II.

According to Wikipedia, the Code talkers were people who used obscure languages as a means of secret communication during wartime. The term is now usually associated with the United States soldiers during the world wars who used their knowledge of Native-American languages as a basis to transmit coded messages.

There were approximately 400 to 500 Native Americans in the United States Marine Corps whose primary job was the transmission of secret tactical messages. Code talkers transmitted these messages over military telephone or radio communications nets using formal or informally developed codes built upon their native languages. Their service improved communications in terms of speed of encryption at both ends in front line operations during World War II. *(KC5FM)*

## First Digital D-Star Repeater On From The Canary Islands

April 26, 2013

D-Star is bringing some unexpected placed to the VHF and UHF bands. This with word that the first repeater using this mode has come on the air in the Canary Islands.

Sponsored by Radio Club Vecindario, the ED8ZAB D-Star machine is located on the island of Gran Canaria at an altitude of about 4,000 feet above average terrain covering most of the group's 7 islands.

The system currently runs 10 watts out on 438.4625 MHz and listens for signals on its input that is 7.6 MHz below. It has been reported as having been heard by stations in both Portugal and

Spain during two recent tropospheric openings; a distance of more than 1,400 kilometers.

And for those who are not world travelers or DXers, the Canary Islands are a Spanish archipelago located just off the northwest coast of mainland Africa, 100 km west of the border between Morocco and the Western Sahara. They are one of Spain's seventeen autonomous communities and an outermost region of the European Union.

If by any chance you happen to hear the **ED8ZAB** D-Star machine outside of its local coverage area, please send a report by e-mail to [ed8zab@yahoo.es](mailto:ed8zab@yahoo.es). *(EABEE)*

## BBC World Service Reduces Shortwave Broadcasts

April 12, 2013

A new schedule with reduced shortwave transmissions began on the BBC World Service on April 1st. As part of the change shortwave and medium wave transmissions in the English language will be reduced by a minimum of 6 hours

each day. Also shortwave Arabic language broadcasts ceased complexly. You can read the full schedule change announcement at [tinyurl.com/BBC-World-English](http://tinyurl.com/BBC-World-English). *(Southgate)*

## BBC World Service Over To You On Chinese Jamming

April 12, 2013

The BBC World Service program Over To You has presented a program that explores the way that the stations shortwave transmissions are being affected by jamming in parts of Asia. This is the result of an e-mail from a listener in West Bengal who was having problems listening to the service.

With the help of the World Service's head of business development, the show discovers how jamming of its shortwave transmissions inside China is spilling over into neighboring countries. It also explores what the BBC can do to remedy the situation through various international organizations. You can hear the program on-line at [tinyurl.com/bbc-against-jamming](http://tinyurl.com/bbc-against-jamming). *(Southgate, BBC)*

## AMSAT-DL Turbo Code Now On NASA STEREO Spacecraft

April 12, 2013

Ham radio is now contributing directly to some vital space research. This with the announcement that Turbo Code software written by AMSAT-DL is now in use on the twin NASA STEREO spacecraft.

According to AMSAT-Germany, on April 2, the two NASA STEREO space-based solar observatories permanently switched to Turbo Code to transmit their real-time space weather data back to Earth. A network of four ground stations, located at Germany, France, Japan and amateur radio station DLOSHF in Germany receives the data, and uses software also written by AMSAT-Germany to decode it.

The switch to Turbo Code has reportedly improved reception capabilities of the ground stations by about 2 dB. This is a very welcome improvement

given that the two STEREO spacecraft are currently 269 and 286 million kilometers respectively away from Earth.

STEREO which stands for the Solar Terrestrial Relations Observatory is a solar observation mission using two nearly identical spacecraft. They were launched in 2006 into orbits around the sun that cause them to respectively pull farther ahead of and fall gradually behind the Earth. This enables stereoscopic imaging of the Sun and other solar phenomena, such as coronal mass ejections and the like.

More on the NASA STEREO solar observatory mission is on the web at [tinyurl.com/stereo-in-space](http://tinyurl.com/stereo-in-space). (AMSAT-DL)

## Spacelab II Proposed Beyond The Moon

April 12, 2013

NASA has proposed a concept for a deep space station that has been dubbed Skylab 2. It is placing such a station on-orbit at the Earth/Moon L2 point in space.

According to Space.com, the Skylab 2 concept would consist of a single-piece habitat based on the Space Launch System's upper-stage hydrogen tank. The resulting space station would be the equivalent of a two-story house. That would be enough to accommodate a crew of four astronauts and several years of provisions with comfort. Solar arrays, radiators, and a module that contains equipment for assembly, repair, and propellant transfer would be attached.

The advantage over using International Space Station modules is that in the latter case, some assembly would be required. Skylab 2 would be ready for occupancy by a four-person crew launched separately in an Orion Multi-Purpose Crew Vehicle.

The news that NASA was considering using the Space Launch System heavy lift launcher to deploy

a deep space station 38,000 miles beyond the moon's far side, was first reported in the Orlando Sentinel in September. Such a space station would be human tended, hosting crews for weeks and then months at a time. It would serve as a way station for expeditions into deep space or back to the lunar surface. Astronauts on the deep space station could remotely operate radio controlled robots on the lunar surface and would study the effects of deep space, which includes microgravity and radiation, on the human body.

L Points also known as Lagrange points, are the five positions in an orbital configuration where a small object affected only by gravity can theoretically be part of a constant-shape pattern with two larger objects such as a satellite with respect to the Earth and Moon. The Lagrange points mark positions where the combined gravitational pull of the two large masses provides precisely the centripetal force required to orbit with them. (NASA, Published News Reports)

## Radio Foxtrot 100 Internet Station For Ham Radio

April 26, 2013

Tony Bond, EI9GMB, says he is again operating Radio Foxtrot 100. Foxtrot 100 is an internet radio station dedicated to ham radio and short wave

listeners that has topics related to ham radio in addition to its music programming. More is on the web at [foxtrot100.weebly.com/](http://foxtrot100.weebly.com/) (EI9GMB)



## Webinar Recording First Transatlantic Shortwave Message Now On Line

April 12, 2013

A Webinar archive presentation surrounding the story of the first trans-Atlantic short wave message which involved several Radio Club of America members and station 1BCG is now available for viewing on-line. To access the recording, take your web browser to [http://tinyurl.com/rca-atlantic-](http://tinyurl.com/rca-atlantic-message)

[message](#) and click on the title The First Top Band DX Contest - the 1921 Transatlantic Test by Frank Donovan W3LPL. This Webinar recording is being hosted at the website of the World Wide Radio Operators Foundation. *(RCA)*

## 2013 Marconi Prize To Be Awarded To Handheld Phone Developer Martin Cooper

April 12, 2013



The Marconi Society has announced that wireless visionary and entrepreneur Martin Cooper is the recipient of the 2013 Marconi Prize. Cooper is credited with developing and popularizing the concept of the handheld mobile phone. He led the

team that put Motorola at the forefront of a new industry and in the process, he helped reshape and point the global telecommunications industry in a new direction.

Martin Cooper will receive the \$100,000 Marconi Prize at an awards dinner in his honor being held on October 1st in Bologna, Italy. He also will deliver the keynote address for a three-day conference preceding the awards gala, jointly sponsored by the Marconi Institute for Creativity and the Marconi Society

The Marconi Prize is considered the pinnacle honor in the field of communication and information science. *(Published News Reports)*

## Ham Radio Responds To Boston Marathon Terrorist Attack

April 19, 2013

Some 250 ham radio operators were providing communications for the Boston Marathon on Monday, April 15th, when a pair of bombs believed planted by a terrorist went off killing three onlookers and sending scores to local hospitals. Some with very serious and life threatening injuries.

It is a day Paul Topolski, W1SEX, will never forget.

Topolski tells Newsline he was working with radio operators close to the finish line of the Boston Marathon and things were going well. And then, there was the first blast..

"I was in the net control trailer about 400 feet from where the blast was," he recalls. "Things were going pretty smooth and we had and were

commenting all of the operations that we had were up and running and no real issues.

"And, within a couple of minutes my assistant and I just happened to be looking at each other out of the corner of our eye and then that blast hit and shook the trailer and we knew it wasn't good."

Topolski says then the second blast went off and they knew things were going to be brought to a halt. He says their big concern, operators at the medical tents at each mile along the route...

"Net control immediately started doing a roll call and finding out where all our people were - exact locations and their condition, making sure that they were okay. And, as it turns out everyone was just fine and continuing operations."

Just before that roll call began, Topolski told his counterpart overseeing net-control on the course to reach out to him on a secure line..

Steve Schwarm, W3EVE, who also spoke with Newsline about the events of that day, was on the receiving end of that call and was a bit surprised...

"He calls me on the radio and says, 'Call me on my cell phone.' And, I know something's got to be wrong because he'll only talk to me on the cell phone when it's something he doesn't want anybody else to hear," Schwarm says.

"So, I called him on the cell phone and that's when he told me that two bombs had gone off in downtown and said I don't know what's going to happen next, but thought you'd like to know and I said thanks.

"So, I stopped all the activity in my net control and announced it to everybody there and I said that we don't know what's going to happen next, but I'm quite sure the race is probably over."

Topolski, who was at the medical tent close to the finish line, says once it was established all those close to the bomb locations were okay, there was general agreement among the operators to stay at their posts and assist...

"It was a kind of a mindset, 'Okay, we did have a problem and let's continue to do our jobs,' and everybody did just that until we were finally sent on our way by the Boston Police Department and the Massachusetts State Police because we were literally right in the "ground zero" area," Topolski says. "We were in the crime scene so we had to bug out."

But, before they were sent out, Topolski says the operators were busy helping medical personnel...

"Instead of taking care of runners, we were not working with the medical people who were serving casualties from the incident itself," Topolski says. "We had medical coverage, or coverage in the medical tents and we started receiving reports of those injuries and the types of things that were going on and then we were relaying that information to the public safety people via WebEOC and other means."

Topolski estimates those closest to the blast zones were there for about 35 minutes afterward until they got sent out because of concerns among authorities about other possible devices.

Back to Schwarm at course net control, who in the minutes after the blasts was now working with operators still out on the course.

"Police were ordering people to stop," Schwarm says. "So runners tended to congregate at the first aid stations and the water-fluid stations along the course. And all of them had ham radio operators.

"So, as soon as that happened, we told everybody on the frequency what was going on. The event had stopped and they would start to organize those people. And, then we started to use some of our medical sweep buses to take the runners to some pre-determined shelters.

"The original thought was that if we had something like a thunderstorm come through and had lightning and things like that we wouldn't want all these people on the course. So, that was the original intended use for the shelters but they found out that they could be used for this as well."

Schwarm says for the operators close to the blast zones, it was a hectic time....

"They supplied communications for the medical tents and that was where a lot of the initial triage of the runners occurred and a lot of lives were probably saved because they had basically a first-class emergency room right there," Schwarm says.

But the day was far from over for Topolski and his operators who were evacuated from the developing crime scene, Schwarm says....

"The roles actually got reversed because they were concerned about having another device in the area so they had a lot of people evacuated," Schwarm says. "Paul and his team evacuated and several of his operators came up to help me in case we were going to be doing an extended operation.

"It wasn't clear how long it was going to take for us to get this thing cleaned up and they came up to help in case we needed some backup. I was very concerned about some of my net control operators getting exhausted, needing some backup. So I knew he had some good people and they came up to help out."

So, where was net control for the course? Schwarm says the Boston area hams put it at a perfect location...

"We're actually quite a distance from the course," Schwarm says. "We're about a mile or two from the course. It's at a facility, it's a private school in Brookline which is a suburb of Boston.

"And, it's on top of a very high hill, which, if we had to, we could probably work every single repeater we use with a 100-milliwatt walkie-talkie because we can see them all - literally. And, it makes an ideal location for it and we also then have high-speed internet at our fingertips and several phone lines and a few things like that. It's a very nice facility."

So what form of communications do the hams who work the Boston Marathon use? VHF frequencies only, Schwarm says...

"The Boston Marathon is the only marathon that's run in a straight line," Schwarm explains. "And we plan on having HT-coverage for the entire course and the finish and the start. So, as a result, you tend to use a fair number of frequencies to make that happen."

"We use five separate repeaters to cover five sections of the course. And, then we have a network of linked repeaters that we use to cover

the entire course from beginning to end just for things that need to be covered across that range."

Topolski has been involved in the marathon amateur radio coverage for 20 years. For Schwarm, this was his 13th year and he says it won't be his last.

"I think what you'll find is that next year we're going to have a bigger and better Boston Marathon and we're going to go on," Schwarm says. "I mean we went through a lot of planning and soul searching for these kinds of things after 9-11 and this was probably a wake-up call to re-think some of those."

Our hearts go out to the families of those who lost loved ones and to those injured in this unprovoked and uncivilized attack against humanity. We will have more for you in upcoming Amateur Radio Newslines reports. (*ARNewslines™ and various other sources*)

## Cellphone Failure At The Boston Marathon

April 26, 2013

Neither the Federal government nor any Massachusetts state agency or the Boston police ordered a shutdown of cellular telephone service in the Boston area following the terrorist bombing of the Boston Marathon on Monday, April, 15th. The systems simply failed of their own accord because too many people trying to use them at the same time.

On April 18th outgoing FCC Chairman Julius Genachowski said the FCC would follow up on cellular service issues at the Boston Marathon. This while emphasizing that broadband services had not been shut down after the bombings.

Genachowski conceded that the event again raised issues of communications and public safety like those the FCC has been working on for some time. However he went on to acknowledge that wireless networks were so overwhelmed by the temporary surge in traffic, that there were incorrect media reports that mobile services had actually shut down when they had not been.

What appears to be a fact is that most cellphone subscribers erroneously believe that the phone in their pocket should function perfectly 100 percent of the time. The reality is that the no cellular

system currently in use can handle 100% of all of its subscribers at any one time. Or even 50% for that matter.

Most experts say that when most cellphone systems reach between 15 to 20 percent of its subscribers simultaneously using the service that it is at a point of limited network density. In other words it cannot handle any more subscribers more until those on-line hang up.

And that's what appears to have happened in Boston after the two bombs at the marathon finish line went off. It's also why the autonomous Boston Marathon ham radio communications networks continued to function flawlessly even when the cellphones failed.

Genachowski said that the FCC will certainly pursue this issue along with other agencies. He called it an institutional imperative for the FCC. Meantime an excellent reference guide on what you can really expect from your cellphone including in emergency situations has been published on-line by the FCC. You can find it on the web at [tinyurl.com/cellphone-reality](http://tinyurl.com/cellphone-reality). (*FCC, Wikipedia, published news reports*)

## The BPL Fight: FCC Rules Against ARRL In BPL Appeal

April 26, 2013

Back here in the United States, word that the FCC rejected an appeal from ARRL and has upheld its current Broadband over Power Line rules. In denying the ARRL appeal the FCC said that the League had raised no new arguments, nor proved previous that FCC BPL related decisions contained mistakes.

The FCC went on to say that its previous decisions regarding BPL strike what it calls the right balance between the need to provide Access Broadband

over Power Line technology while protecting incumbent radio services against harmful interference.

In a related story on the ARRL website ARRL Chief Executive Officer Dave Summer, K1ZZ, said that he wasn't surprised at the decision. However he also noted that some of the rhetoric used by the agency in continuing to defend what he termed as its wrong-headed promotion of the flawed BPL technology is disappointing. (ARRL)

## New Yaesu FTM-400DR Digital Dual Band Mobile

April 12, 2013

Big news in the world of digital VHF and UHF voice communications that the Yaesu FTM-400DR dual band mobile transceiver has received FCC approval, but when it will be available for sale is not known.

According to the Universal Radio website, the new 2 meter and 70 centimeter radio is power selectable at 50, 20 or 5 watts on either band, features wide band receivers covering 108-470 and 800-999 MHz minus the cellular band four scan modes and 500 memories per band and all the other bells and whistles you would expect in a top of the line dual bander. But it's Kevin Sanders Amateur Radio and Scanning Blog adds that reveals the most important aspect of this new rig. That of it being capable of full C4FM FDMA digital voice operation as well as conventional FM. This means it will be the base and mobile radio that will compliment Yaesu's long waited FT1D digital voice hand-held.

How much will the FTM-400DR set you back? At airtime there is no manufacturers suggested price listed. All the Universal Radio website says is that the information



shown is preliminary and may be subject to change without notice or obligation. You can take a look at the new Yaesu offering at [tinyurl.com/yaesu-digital-mobile](http://tinyurl.com/yaesu-digital-mobile). A video of the radio taken at last year's Tokyo Hamfair can be seen at [tinyurl.com/ftm400](http://tinyurl.com/ftm400). (ARNewsline™, Universal Radio, Kevin Sanders, Sanders Amateur Radio and Scanning Blog)

## Free Repeater Locator For iPhone/iPad

April 19, 2013

A free Repeater Directory App for the UK, Europe, Australia, New Zealand, South America and more is now available for iPhone and Android based smart devices. Repeater Locator enables the traveling ham to easily find repeaters across most populated areas of the world using GPS or a Locator to find repeaters. The app also makes available the complete database of United Kingdom analog,

IRLP, Echolink and D-Star repeater and a growing world repeater database covering all but North America. Also the Android version supports the BlueCAT, FT-857 and FT-817 Bluetooth CAT interface that allow a user to simply touch a repeater to instantly his or her radio. You can find Repeater locator by searching for ZBM2 at the Apple App Store or the Play store. (M1HOG)

# Innovative Multi-Band Two-Way Radio/Smartphone Device

April 22, 2013



We have created a innovative docking case, which allows you to dock any iPhone, Android, or Blackberry smartphone and transform it to a self programmable multi-band two-way radio with RoIP repeater capabilities.

We just released the device on kickstarter at <http://kck.st/YXr17Y>

We code named the device the **Alianza DxB**.

The Alianza DxB's features include;

1. Innovative amateur radio gear - The DxB is the world's first docking case which allows you to dock your smartphone turning it into a two-way radio. Unlike Nextel, our device can communicate with other two-way radio and smartphones without an app.

2. Made for Ham and Amateur radio guys- The DxB allows you to communicate to any two-way radio when out of range of cellular coverage. Plus its built-in battery helps recharge your phone and its rugged case helps protect it.

We would love to share the news with the Amateur radio community.

We launched Monday April 15th. If you have any questions, please feel free to let me know. We are excited about this device and we hope everyone else is too! Thank you for your time.

**Rob J.**

Founder of the Alianza Project

[www.alianzahd.com](http://www.alianzahd.com)

# **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).



**LONDON AMATEUR RADIO CLUB  
36TH ANNUAL  
HAMFEST**

**SUNDAY, SEPT. 22, 2013**

**9.00 AM TO 12.00 PM**

**VENDOR SETUP: 8AM**

**ADMISSION: \$8.00, (Age 10 and up)**

**TABLES : \$20.00**



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**London, ON**



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**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](mailto:LARChamfest@gmail.com)**

**Note: All email answered within 72 hrs**

**Phone: (519) 455-9465 (Ruth)**

**Make Cheque or Money Order Payable to**

**"London Amateur Radio Club Inc"**

**(not to Ruth Dahl) and mail to:**

**Ruth Dahl VE3RBO**

**Apt #805 700 Wonderland Rd N**

**London ON N6H 4V3**



## ATTENTION HAMFEST VENDORS

Book early, tables are booked on first come first served basis. 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.

Talk in VA3LON, 147.060 PL 114.8

Name: \_\_\_\_\_ Admission: \_\_\_\_\_ x \$8.00 = \_\_\_\_\_  
Maximum of 2 admissions only

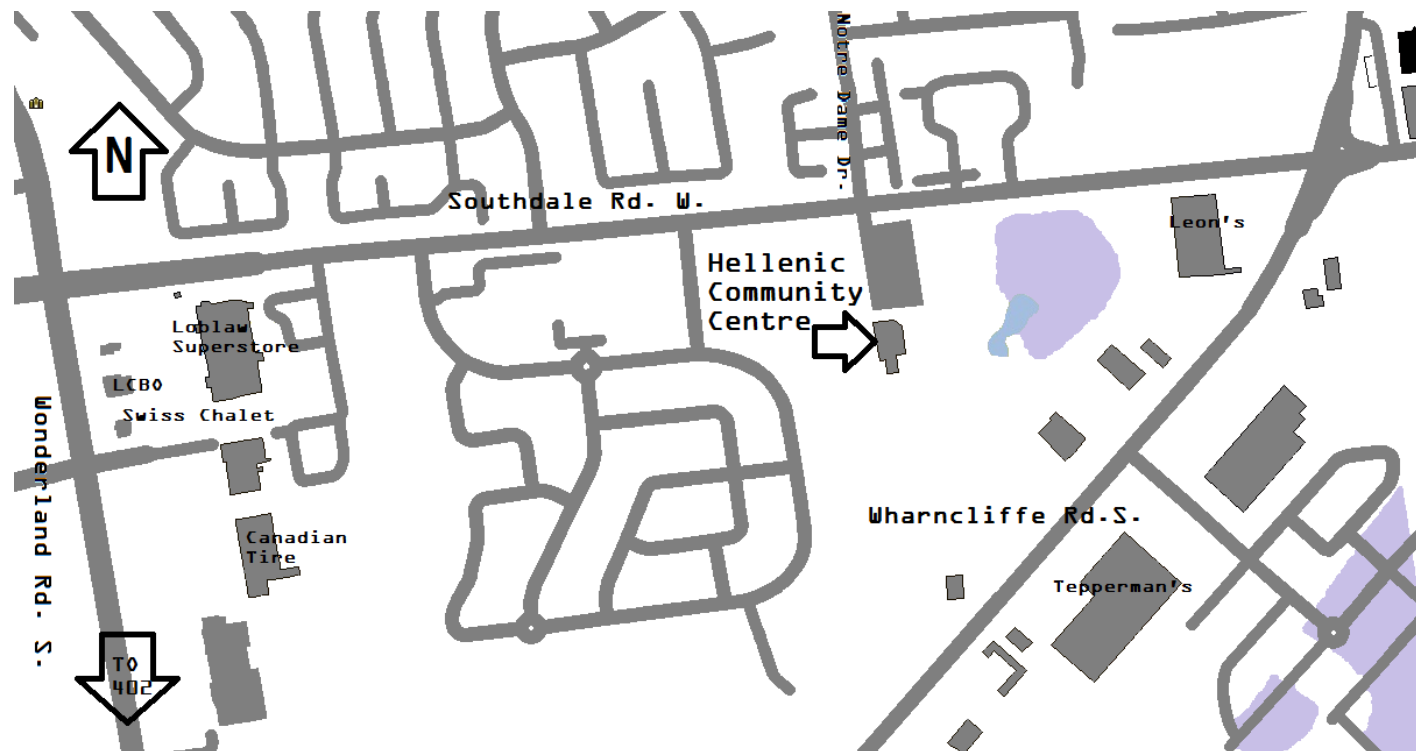
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City: \_\_\_\_\_ Postal Code: \_\_\_\_\_

Phone: (\_\_\_\_) \_\_\_\_\_



**Coming from Hwy 402**, exit on to Wonderland Road (Exit 100) and go North to Southdale Road and turn Right. Go East until Notre Dame Drive and entrance of Hellenic Centre on the right.

**Coming from the West on Hwy 401**, exit onto Colonel Talbot Road and go North until Main Street in Lambeth. Turn Right and go East until Wonderland Road South. Turn Left and follow directions above.

**Coming from the East on Hwy 401**, exit on to Wellington Road and go North until Southdale Road. Turn Left and head West until Notre Dame Drive and entrance to the Hellenic Centre on the Left.