Message from the London Amateur Radio Club

Promoting Amateur Radio in London
And surrounding area since 1920

January 10, 2010

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Next Meeting Topic

The **next LARC meeting** will be on **Thursday, January 14** at **7:30 PM** with a presentation by **Dave Lambert, VE3KGK** entitled **Jamaican Journey** - the story of a DX-pedition to Jamaica operating as 6Y5KG. If you know Dave, you know there's no way this will be a boring presentation.

VE3CT Appointed To Canadian Amateur Radio Hall Of Fame

And congratulations go out to Croft Taylor, VE3CT, of Kanata, Ontario, Canada on his appointment to Canadian Amateur Radio Hall of Fame. Taylor was awarded this honor by the Hall's Board of Trustees who has announced that it will be presented to him at a ceremony to be held in Ottawa in the spring of 2010. Appointments to the Canadian Amateur Radio Hall of Fame are made to recognize a radio amateur for outstanding achievement in sustained service to amateur radio in that nation or to all of amateur radio at large. (RAC)

CB Website Warns Truckers To Stay Out Of 10 Meters

A CB website is warning trucker CB'ers and Freebanders to keep out of the 10 meter ham band. The home page post on LiveCBRadio.com tells readers that mobile ham operators all over the United States are now observing and reporting truckers talking above 28 MHz. The website notes that the hams will not just report the truck and its company to the FCC, but that they often include video and audio as evidence with their complaints.

The website goes on to note that the FCC contacts the trucking company warning them of potential fines. It says that already there have been cases where both truckers and trucking companies have been fined.

The website warns readers, especially truckers with modified export type CB sets that what is called CB channel 19 High is actually 28.085 MHz. When someone with one of these illegal export radios tunes to 19 High he or she is transmitting full carrier AM in the Morse only area of 10 meters.

The website warns CB'ers and Freebanders that is best to stay within the common CB channels from 1 to 40. It notes that trucker CB'ers using the 19 High frequency might think that they are gaining extra privacy. In reality what they are doing is drawing national attention from the United States ham radio community and through them from the FCC. (QRZ, others)

Next Meeting is Where and When?

Reminder of the next monthly Club meeting on January 14, 2010 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 (no meetings July and August).

Next Meeting will be February 11, 2010. This meeting is still to be determined.

Area Repeaters

LARC Repeaters
London
VA3LON   147.060 + 114.8Hz

VE3MGI   145.390 - 114.8Hz

SORT Repeaters
London
VE3TTT   147.180 + 114.8Hz
         ULR Link repeater
         "SORT" System

VE3SUE   444.400 + 114.8 Hz
         ULR link repeater "SORT"
         System, IRLP

Ipperwash
VE3TCB   146.940 - 123.0 Hz
         Linked to VE3SUE

Grand Bend
VE3RGB   146.750 + 123.0 Hz

VE3SRT   442.050 + 123.0 Hz
         Linked to VE3SUE

Goderich
VE3OBC   146.910 - 123.0 Hz

Whitechurch
VE3WWD 443.075 + 123.0 Hz

Other Area Repeaters
London
VA3SIX   53.470   - 114.8 Hz

VE3OME   145.450 - 114.8 Hz
         CANWARN

Stratfordville
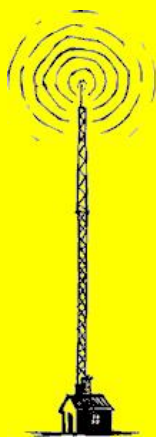VE3DPL   146.655 - 131.8 Hz

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**

2009 Sees Surge Of New USA Amateur Radio Licensees

This past year was a banner year for new Amateur Radio licensees.

According to ARRL VEC Manager Maria Somma, AB1FM, the FCC issued more than 30,000 new ham radio licenses.

"In 2009, the demand for Amateur Radio exam sessions remained elevated and is still running at a higher rate than before the FCC's restructuring of the license requirements in 2007," Somma said. "This high level of exam session activity has produced an elevated influx of new applications, far outpacing recent years."

A total of 30,144 new licenses were granted in 2009, an increase of almost 7.5 percent from 2008. In 2005, 16,368 new hams joined Amateur Radio's ranks; just five years later, that number had increased by almost 14,000 -- a whopping 84 percent! The ARRL VEC is one of 14 VECs who administer Amateur Radio license exams.

Full story:
http://www.arrl.org/news/stories/2010/01/06/11278/?nc=1

VE3 Group Brings 102 Year Old Operator Back On The Air

A 102 year old ham is back on the air after being QRT the past two decades. This, thanks to the generosity of a Canadian ham radio association that helps those in need.

Ethel Williamson, VE3DTW, is a former lighthouse keeper who turns 103 in March. She had been off the air for at least 20 years when the Welland branch of the Handy Ham Amateur Radio Club of Canada herd about her. The organization offered to set up a radio for her at Niagara Ina Grafton Gage Village long-term-care home so she could get back on the air. She accepted their suggestion and it all came to fruition on Monday, January 4th. That's when she made her first

QSO with a station in Melbourne, Australia, via a local repeater tied to VK land using IRLP.

Ethel Williamson became a ham after the Second World War when she and her late husband, Cyril, raised their sons, Doug and Bruce, while running the Port Weller lighthouse. The couple lived at the landmark overlooking the lake for 25 years. Now she lives in the long term care facility but thanks to ham radio her voice is once again be heard, worldwide. More about this amazing lady can be found at http://wellandtribune.ca/ArticleDisplay.aspx?e=2246214 (Welland Tribune OnLine)

French radiocom.org Shuts Down

The French ham radio website radiocom.org is going Q-R-T after 10 years on the World-Wide-Web. Editor Francis Roch, F6AIU, says that a combination of the long hours that must be devoted to operating the website along with receiving little assistance from the European ham

community have lead to the decision to close down effective January 1st. An editorial giving more information on the decision to shut down, writer in French is at the website at www.radiocom.org (Southgate, F8KBL)

Webinars For Hams

January 6, 2010

By Peter West

Webinars, online lectures, have come to amateur radio. This thanks to the ARRL Contest newsletter:

The Potomac Valley Radio Club announces another pair of its popular Webinar series: Jan 14 at 8 PM EST - K3LR on Contest University and Jan 20 at 10 PM EST - K9LA on 160 Meter Propagation. The hyperlinks will take you to the registration page for each free event.

BTW if you're looking for an easy way to get into CW contesting this weekend is the North American QSO Party. Starting at 1800Z on Saturday and ending 12 hours later (of which

operators can operate for only 10 hours out of the 12) this somewhat easy going CW contest is one of the more civilized contests where the objective is to work as many North American stations as possible. Everybody who can radiate a signal into a dipole is welcome. CW speeds rarely exceed 22 wpm and most contesters will come back to you at your speed. The exchange is your state/province and name. BTW there are no rules against using somebody else's name. A few years back a famous and much respected contester died just before the NAQP and strangely, to those of us not in the loop, we were very surprised to work so many guys named "AJ" all from the same state.

Upcoming Events

Thu., Jan. 14, 2010
L.A.R.C. Meeting – DXing in Jamaica by Dave Lambert, VE3KGK

Sat., Jan 30, 2010 – Sun., Jan 31, 2010
Winter Field Day

Sat., Feb. 6, 2010
Big Event 32 - Flea Market and Hamfest
Niagara Peninsula Amateur Radio Club
Merriton Community Centre, 7 Park Ave., St. Catharines, Ontario

Thu., Feb. 11, 2010
L.A.R.C. Meeting – Topic to be determined

Sat., Feb. 27, 2010
Burlington Spring Flea Market
Burlington Amateur Radio Club
Royal Canadian Legion - 828 Legion Rd., Burlington

Sat., Feb 27, Sat., Mar 13, Sat., Mar. 27, Sat., Apr 10, Exam - Sat., May 8, 2010
Ham Radio Basic Certification Course
Lambton County Radio Club
Sarnia Police Headquarters, 555 Christina Street North, Sarnia, Ontario. To register or for more info, contact Keith Baker, VA3KSF, Course Administrator, at va3ksf@rac.ca or call 519-481-0153. More information is also available via the club's website at www.ve3sar.org.

Thu., Mar. 11, 2010
L.A.R.C. Meeting – Topic to be determined presented by Mike Cook, VE3ZMC

Sat., Mar. 27, 2010
Ham-Ex 2010
Peel and Mississauga Radio Clubs
Brampton Fair Grounds, Hearth Lake Rd.

Sun., Jun. 6, 2010
Central Ontario Hamfest & Fleamarket
GARC & KWARC
Waterloo Regional Police Association, R.R. 2, 1128 Rife Rd. North Dumfries Township. Beside Hwy 401, between exits 268 & 275. Lat: 43° 20' 51.20" N, Long: 80° 24' 58.89' W

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.

Emerging Technology: Fuel Cell Powered Mobiles May Be Here Soon

A new way to get around may one day have an impact on the way we hams operate mobile in motion. Don Wilbanks, AE5DW, reports on an emerging technology called the FCV.

Fuel Cell powered vehicles or FCV's are expected to be a technology that could revolutionize road transportation and possibly the way hams operate mobile in the coming years.

FCV's are normally powered by pure hydrogen gas onboard in high-pressure tanks, but some can also be used with hydrogen rich fuels such as methanol, natural gas or even gasoline. Previously, FCV's only worked efficiently in warm weather, but this latest technology permits operation at temperatures as low as minus 13 degrees Fahrenheit. This should make the concept accessible for almost everyone anywhere.

So far Fuel Cell powered vehicles only have a maximum range of about 250 miles, but that's more than enough for most everyday shopping or job commutes. And FCV technology improves so should the distance these vehicles can travel before refills.

This emerging technology also has the potential to significantly reduce energy use and harmful emissions, as well as our dependence on foreign oil. And being far electrically quieter than today's cars and light trucks means better signal reception when operating on the road. (Technology Today)

New Ontario Public Service Reflector

Submitted by: **Bob Gammon, VA3RX**
On: **December 2, 2009**
To all Ontario ARES interests:

The Province of Ontario now has a new dedicated IRLP Reflector in operation thanks to the efforts of Russ Hemphill VE3FI and fine technical support from Klaus Rung VE3KR and other interested persons.

This Ontario Public Service Reflector is Node 9030 with 10 channel and very wide bandwidth capabilities. The system is located in Haliburton County and at this time is fully operational in the primary testing stage.

When completed with channel assignments the Reflector will offer and provide a dedicated network in Ontario for Emergency Communications for ARES and CANWARN and linking Counties and Districts for Mutual Aid purposes.

This latest EmComm resource has been established to meet enhance, expand and serve the ongoing and future needs of communications providers throughout Ontario.

Congratulations to all those involved in this project to deliver a new level of public safety and service to Ontario using objective planning of internet technology.

Website details are available at: http://www.ontarioreflector.ca/

Dover Boy Is Quite The Ham

Posted By Monte Sonnenberg, Simcoe Reformer

Andrew Copeland, 11, of Port Dover, is the youngest person in Canada to earn an amateur radio license. By virtue of that license, Andrew can converse with amateur radio operators anywhere in the world. (Monte Sonnenberg, Simcoe Reformer)

-Andrew Copeland has a bright future in electronics, and he has the paperwork to prove it.

The 11-year-old resident of Port Dover recently took a gruelling 25-page test on the finer points of ham radio operation. It took him nearly two hours to answer 100 multiple-choice questions, but he passed with flying colours with a score of 85%.

By virtue of that performance, Andrew became one of the youngest people in Canada to earn an amateur radio licence. The "basic plus" licence earned Andrew the call sign VE3NOA and entitles him to converse with amateur radio operators anywhere on commercially available equipment.

"You can talk to anybody in the world, learn new languages and meet new people," Andrew said yesterday. "And if I ever need to talk to my dad on the radio, I just come down here (in the basement) and give my call sign and his call sign."

That dad would be Gary Copeland, owner of Dover Antenna Service and holder of an advanced radio licence. Andrew has had a long fascination with his father's hobby. He decided to get serious, however, after attending a recent meeting of the Norfolk Amateur Radio Club.

"I wanted to accomplish something," Andrew said. "And when I learned I could be the youngest (licence holder) in Canada, I said OK. I looked at the guys at that meeting and said I wanted to be one of them."

Andrew's tutor is his father. The youngster -- a student at Doverwood Public School -- is good at math, so Gary Copeland knew he had something to work with.

The test is no walk in the park. To earn a basic licence, Andrew had to know -- among other obscure bits of knowledge -- that there are one million picofarads in one microfarad, that the total current in a parallel circuit with a voltage source and several branch resistors equals the sum of the branch current through each resistor, and that one way to reduce the current flowing in a field effect transistor is to increase the reverse bias voltage.

The elder Copeland worked with his son 90 minutes a night for an entire month before Andrew took the test. The approach was hands-on. As an example, Gary Copeland dismantled microphones and speakers as a means of showing his son how much the devices have in common.

"We ripped the questions apart and then answered them practically," he said. "I found that a very neat way of teaching. It wasn't boring. I'm a promoter of amateur radio and enjoy helping people get their licence. I'm proud of Andrew, big time."

As an added bonus, the shared enthusiasm for amateur radio has created a solid bond between father and son.

"It gives us time together," the elder Copeland said. "We spent half an hour down here yesterday just shooting the breeze."

Whether Andrew is the youngest of them all is difficult to determine. Denise Wagorn, office manager of the 5,000-member Royal Amateurs of Canada, said yesterday that he would be the youngest member of RAC were he to join. Meanwhile, there are an estimated 67,000 amateur radio operators across Canada.

The federal government is responsible for licensing amateur radio operators. Anyone operating radio equipment without a licence risks steep fines and possible jail time.

Monte Sonnenberg 519-426-3528 ext. 150

White House Names Ham as New Cybersecurity Coordinator

President Barack Obama greets his new White House Cyber Security Chief Howard A. Schmidt in the Cross Hall of the White House. December 17, 2009. [Lawrence Jackson, official White House photo]

On Tuesday, December 22, President Barack Obama named Howard A. Schmidt, W7HAS, as the new White House Cybersecurity Coordinator. According to the White House, Schmidt -- an ARRL member -- is one of the world's leading authorities on computer security, with some 40 years of experience in government, business and law enforcement and "will have regular access to the President and serve as a key member of his National Security Staff. He will also work closely with his economic team to ensure that our cybersecurity efforts keep the Nation secure and prosperous."

In a 2003 interview with *The New Atlantis*, Schmidt described cybersecurity as "the realization that computer systems affect our basic needs on a daily basis. Electricity, water, telephone -- these things are all run by computers, and my job is to work with owners and operators and government agencies to make sure that they continue to function properly and are not disrupted because of security events that then, in turn, affect our daily lives."

Schmidt told the ARRL that he credits Amateur Radio with getting him involved with technology: "In high school, one of my friends was a ham and he got me interested in shortwave radio, which in turn got me into building shortwave radios and equipment, many from Heathkit. As I got older, I took courses from NRI and Bell and Howell in electronics and built a number of projects, preparing me for my first ham radio ticket. I love technology, and it was Amateur Radio that caused me to build my first computer -- a Sinclair ZX-80 to use for EME calculations. I studied all about the OSCAR systems and would build equipment to monitor when they would pass within range of Arizona. Building these computers to support my ham radio hobby gave me the technical skills that I need to not only start doing computer crime investigations and work on the early stages of computer forensics, in turn enabling me to start working on cybersecurity issues."

Schmidt is no stranger to the White House -- he served as a cyber-adviser in President George W. Bush's White House. After the 9/11 attacks, President Bush appointed Schmidt as the Vice Chairman of the President's Critical Infrastructure Protection Board and as the Special Adviser for Cyberspace Security for the White House. While at the White House, he assisted in the creation of the US National Strategy to Secure Cyberspace, becoming Chairman in January 2003. In May 2003, Schmidt retired from the White House after 31 years of public service in local and federal government.

Schmidt as a Ham

Schmidt has been an Amateur Radio operator for more than 30 years. "I was first licensed in the late 1970s as a Technician class licensee with the call sign WB7NUV," he told the ARRL. "I did a lot on 2 meters, 70 cm and on Packet. The TAPR group out of Tucson was real inspiration to me as I found the work they were doing absolutely wonderful. I started as a part of the Arizona Repeater Association (ARA) and lived for our annual hamfest at Fort Tuthill in Flagstaff."

Back in the 1980s, Schmidt told the ARRL that he tried moonbounce and had "a full shack of RTTY machines -- Teletype Corporation models 15 and 19 and even a model 21. I would spend weekends printing reams of pictures from Ricky, W0CKY, and all of the great TTY pictures he would transmit. I still have my Collins KWM 2A, 312B station console and accessories. While I have not used it for years, it is one of my treasured possessions. Through the years, I had about every type of HF radio made and even have my Collins R-388 and R-390 in a 19 inch rack. I will never forget the day we were able to talk to Southern California on a 2 meter handheld with the repeaters we had from Central Arizona. During the '100 year flood' in Arizona, the community of Rainbow Valley was essentially cut off from the rest of the state to the north when a bridge and power lines were washed away. Using ham radio equipment, we were able to coordinate moving in food, water, medical supplies and generators from the Air Force base I was working at (then Gila Bend Air Force Auxiliary Field) and work with the county sheriff's office to coordinate support."

Schmidt said that as with many other things, his love for Amateur Radio took a back seat to work, family and life in general: "While I got rid of all of my RTTY equipment back in the early 90's, I have continued to follow all of the great advances of ham radio." He said that only just recently, he got back into the hobby after what he called "an administrative error."

"Someone with a call very similar to mine upgraded to Extra class and when the form was sent to FCC, they mistyped one letter and it was my call that was submitted," he explained. "You can imagine my surprise when I received my Extra class license and new call in the mail. When I tried to find out what happened I was told (wrongly) that I was probably 'grandfathered.' I went out and bought an all band/all mode rig, antennas, power supplies, batteries -- everything I needed to outfit my shack. When all was said and done, we got the error fixed, but by that time, I was hooked on Amateur Radio all over again. I am now in the process of doing a room addition to be my new ham shack! I rejoined ARRL and now have room full of new gear waiting for the remodel to be done. Thanks to what I learned from the many hams on Web sites, I even built in PVC pipes through the walls to run my antennas."

Schmidt's Rise to Cybersecurity Czar

Schmidt began his government service in 1967 -- starting with a tour in the US Air Force -- both in active duty and in the civil service. After leaving the Air Force in 1983, he joined the Chandler (Arizona) Police Department, serving on the SWAT team and the Organized Crime and Drug Enforcement Unit; he formed and led the Special Enforcement Team. In 11 years as a local first responder he dealt with numerous issues surrounding emergency response to local incidents. While on the police force, he was instrumental in selecting, designing and the operation of interoperable communications and a public safety response system. Schmidt left the police department in 1994 to join the FBI at the National Drug Intelligence Center to head up the Computer Exploitation Team.

Schmidt went on to become a Supervisory Special Agent and Director of the Air Force Office of Special Investigations' (AFOSI) Computer Forensics Lab and Computer Crime and Information Warfare Division. In 1996, while serving in that position, he established the first dedicated computer forensics lab in the government, which was the basis for the formation of the Defense Computer Forensic Laboratory (DCFL). In 1997, Schmidt joined Microsoft as the Director of Information Security, Chief Information Security

Officer (CISO) and Chief Security Officer (CSO), leaving in 2001 to join the White House. When he retired from government service in May 2003, he joined the online auction site eBay as their Vice President and Chief Information Security Officer and Chief Security Strategist.

Throughout his industry career, Schmidt has served as a reservist in the National Guard and Army. He served in the Arizona Air National Guard as computer communications specialist from 1989-1998, then transferred to the US Army Reserves as a Special Agent in the Criminal Investigation Division where he continues to serve with the Computer Crime Investigations Unit at CID HQ. He has testified as an expert witness in federal and military courts in the areas of computer crime, computer forensics and Internet crime.

After Schmidt retired from eBay, he started his own consulting firm, R&H Security Consulting. In September 2008, he took over as President and CEO of Information Security Forum Ltd; he remains CEO until he begins his White House appointment in January 2010. He is also a board member of the Finnish security company Codenomicon, International President of the Information Systems Security Association and board member of the International Information Systems Security Certification Consortium, commonly known as (ISC). In October 2008, he was named one of the 50 most influential people in business IT by the readers and editors of Baseline Magazine.

Schmidt serves on the Executive Committee of the Information Technology Sector Coordination Council. He is a member of the High Technology Crime Investigation Association, the American Academy of Forensic Sciences and the International Association of Chiefs of Police. He has testified before congressional committees on computer security and cyber crime and has been featured on BBC, ABC, CNN, CNBC and Fox TV discussing cybersecurity, investigations and technology. He is the author of Patrolling Cyberspace, Lessons Learned from a Lifetime in Data Security and a contributor to The Black Book on Corporate Security.

Now that Schmidt has rediscovered how much fun Amateur Radio can be, he has no plans to let his enjoyment pass him by again. "I have my multi-band handheld transceiver next to my suitcase to take back to DC with me," he told the ARRL. "I hope to set up a station once I get settled. I do not plan on letting any more years slip by and not enjoying this great hobby."

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).

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

☐ No　☐ Yes　_____　☐ Yes　☐ No

Member # 2　Last Name　　　　　　First Name　　　　　　Call Sign

RAC Member?　RAC Member #　ARES Volunteer?　Email Address

☐ No　☐ Yes　_____　☐ Yes　☐ No

Member # 3　Last Name　　　　　　First Name　　　　　　Call Sign

RAC Member?　RAC Member #　ARES Volunteer?　Email Address

☐ No　☐ Yes　_____　☐ Yes　☐ No

Member # 4　Last Name　　　　　　First Name　　　　　　Call Sign

RAC Member?　RAC Member #　ARES Volunteer?　Email Address

☐ No　☐ Yes　_____　☐ Yes　☐ 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