

Message from the London Amateur Radio Club



Promoting Amateur Radio in London
And surrounding area since 1920

September 9, 2012

L.A.R.C. Executive

President

David Lambert, VE3KGK

1st Vice-President, Membership

John Visser, VA3MSV

2nd Vice-President

Mike Watts, VE3ACW

Past President

Doug Elliott, VA3DAE

Treasurer

Brian Bouckley, VA3ATB

Secretary, Flea Market

Ruth Dahl, VE3RBO

Director, Flea Market

Ann Rundle, VA3EOR

Director

Pat Ross, VE3CNX

Non-Voting Director, ARES & CANWARN

Brett Gilbank, VE3ZBG

Appointments

Repeater Coordinator

Brad Seward, VE3NRJ

Repeater

Operator/Programmer

Vacant

Field Day Coordinator

Webmaster

Doug Elliott, VA3DAE
Doug Tompkins, VE3IDT

Newsletter Editor

John Visser, VA3MSV

Auditor

Rob Hockin, VA3HO

September's L.A.R.C. Meeting

The next LARC meeting will be **Thursday September 13 at 7:30 pm.**
Perron Goodyear, VE3PSG will present on The Salvation Army's
Emergency Disaster Services program and their response to the F3
tornado which ripped through Goderich last summer.

Silent Key – Arnold St. Amand, VA3AYG

VA3AYG Arnold St. Amand

Collingwood, Ontario

Passed September 1, 2012 at the age of 77

A celebration of life took place at

Fawcett Funeral Home, 82 Pine Street, Collingwood

Saturday September 8, 2012 between 4 and 6 pm



Arnold was a member of the senior controller team for ONTARS
and will be sadly missed by all amateur radio operators.

[OBIT](#)

Reporting station: Tom, VA3TS - 1 September 2012

Next Meeting is Where and When?

**Reminder: The next monthly L.A.R.C. meeting on September 13,
2012 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 October 11, 2012.

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

VA3FEZ 444.100 + 114.8 Hz

Grand Bend

VE3RGB 146.760 + 173.8 Hz

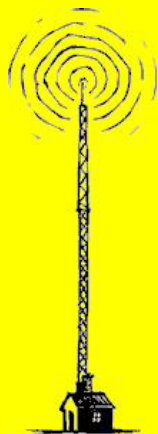
Stratfordville

VE3DPL 146.655 - 131.8 Hz

St. Thomas

VE3STR 147.330 + 114.8 Hz
Echolink Node: 72886

VE3STR 443.825 + 114.8 Hz
IRLP Node: 2482



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

Membership Certificates

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

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

Flaunt Your Face – Show Your Shack

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

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

How do you submit your pictures?

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

Mutual Aid

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

Membership Report

Currently the membership is at 118 to the club. Of the 17 Honorary Members brought in from the L.S.R.C., 4 have paid for the current 2011/2012 year. For the 2011/2012 year, have now have 19 new members. Unfortunately 3 past members of the club became a Silent Key last year.

I would like to welcome the following new members.

Gary Stapleton, VA3YAT

Craig Dixon, VACDF

Ian MacLeod, VE3IRM

Perron Goodyear, VE3PSG - Public Relations & Development Representative, Salvation Army

From the Middlesex-London Health Unit

Patricia Simone, VE3HIS - Manager, Emergency Preparedness

Ross Graham - Manager, Special Projects

Mark Przyslupski, VA3MPW

Mark Riedl, VA3MWR

Gordon Horner, VA3AEV

Scott McIntosh, VA3AEY

Rosemary Boyd, VA3AEH

Raymond Day, VA3AEU

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

2012/2013 L.A.R.C. Executive

Again this year we have just enough people for the London Amateur Radio Club Executive. The 2012/2013 Executive line-up has been determined. The members of the Executive are as follows.

Past President Doug Elliott, VA3DAE

President Dave Lambert, VE3K GK

1st Vice President John Visser, VA3MSV

2nd Vice President Mike Watts, VE3ACW

Treasurer Brian Bouckley, VA3ATB

Secretary Ruth Dahl, VE3RBO

Director Ann Rundle, VA3EOR

Director Pat Ross, VE3CNX

Non-Voting Executive Members and Appointments

ARES & CanWarn Director Brett Gilbank, VE3ZBG

Repeater Coordinator Brad Seward, VE3NRJ

Repeater Operator **Currently Vacant**

Field Day Coordinator Dave Lambert, VE3K GK

Assistant Field Day Coordinator Mike Watts, VE3ACW

Flea Market Coordinator Ruth Dahl, VE3RBO

Assistant Flea Market Coordinator Ann Rundle, VA3EOR

Newsletter Editor John Visser, VA3MSV

Webmasters Doug Elliott, VA3DAE

Doug Tompkins, VE3IDT

Auditor Rob Hockins, VA3HO

Upcoming Events

Sun., Sep. 23, 2012

[35th Annual 2010 London Amateur Radio Club Flea Market](#) - London Amateur Radio Club

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

Sat., Oct. 13, 2012

[HARC Hamfest 2012](#) - The Hamilton Amateur Radio Club
Ancaster Fair Grounds

Sat., Nov. 3, 2012

[York Region Hamfest 2012](#) - York Region Amateur Radio Club

Markham Fairgrounds - located at 10801 McGowan Road on the North East corner of McCowan Road and Elgin Mills Road

Sat., Nov. 17, 2012

[KARC Hamfest 2012](#) - Kingston Amateur Radio Club, Inc. and Military Communications & Electronics Museum

95 Craftsman Blvd, Kingston

Sunday, June 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

Every Saturday Morning

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

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

RAC Bulletin 2012-045E - New Ontario Section Boundaries

August 6, 2012

I am very pleased to announce that on schedule, September 1, 2012 the current Ontario Section will be replaced by four new Sections: Ontario North (ONN), Ontario East (ONE), Ontario South (ONS), and the Greater Toronto Area (GTA). The new sections are composed of the following municipalities, regions, and municipal districts.

I am also thrilled to advise that all four Section Manager Positions have been filled and I will circulate a formal introduction in the week to come.

Ontario North (ONN)

All of northwest Ontario including Manitoulin Island, Northeastern Manitoulin and the Islands, Killarney, the cities of Greater Sudbury and North Bay and Nipissing District.

Ontario East (ONE)

Algonquin Park, Renfrew, Hastings, Prince Edward, Haliburton, Peterborough and Northumberland Counties, and the cities and counties to the east.

Greater Toronto Area (GTA)

The City of Toronto and the Regions of Halton (including the City of Burlington), Peel, York, and Durham.

Ontario South (ONS)

Parry Sound District, the counties of Simcoe, Grey, Bruce, Dufferin, Wellington, the City of Hamilton, the Region of Niagara, and the remainder of south-western Ontario.

The ARRL has recognized the four new sections and they will be effective for the ARRL November Sweepstakes. Several other vendors of logging/contest software have also announced changes, some not effective until January 2013. Please verify with your vendor well in advance of upcoming contests.

73,

Doug Mercer VO1DTM/VO1DM CEC
Chief Field Services Officer

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Vernon Ikeda - VE2MBS/VE2QQ

Pointe-Claire, Québec

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

Letter From the L.A.R.C. President, Dave Lambert, VE3K GK

As most of you will know, Doug, VA3DAE has stepped down as President of the Club after several years on the Executive. Fortunately, he will not be lost to us as he will continue on as the Past President.

Under his leadership the Club has undertaken some new initiatives such as our assistance with the Annual MS Bike Tour. He has also been very instrumental in arranging courses for people wanting to get their amateur radio licenses and under his leadership we have had many new hams join our ranks.

The workload the President carries is quite significant and Doug has worked tirelessly to promote the hobby in as many ways as possible. He has led the Executive, not by pushing from behind, but by showing us that he has always been willing to be out front with any endeavour we have undertaken.

Unless he has been away on a canoe trip or he has been attending the classes and assisting the various instructors delivering the different study modules in helping prospective hams get their licenses, he can be found at the Saturday Morning Breakfasts, which I believe he christened Hams and Eggs, delivering his famous one-liners. His shoes will be big ones to fill and all of us on the Executive will miss his firm but gentle leadership. However, he will still be there as an invaluable resource for the Executive and the club members.

We all owe him a debt of gratitude for doing the toughest job that any member of the Executive can undertake, and doing it so well.

For those of us continuing on as Executive members we look forward to having Doug remain on as the Past President, providing a steadying hand as we take over where he left off. On behalf of all the members and the rest of us on the Executive, heartfelt thanks, Doug, for a job well done.

We must also thank Doug Tompkins, VA3IDT, who is now stepping down as the Past President. Doug has been there to help with keeping us aware of what transpired in the past and how so many of the issues were handled in the recent history of the club. His input will be missed, but

he has earned the right to step away and take a rest. We hope to see him at many future meetings. Thank you Doug T.

We welcome Pat Ross, VE3CNX, who has returned to the Executive after a short absence. We look forward to working with Pat and we will benefit from his measured approach to issues as we discuss how to move the club forward. Pat can always be relied upon to look at any issue from every angle and then offer his sage advice on how we should proceed. Welcome aboard, Pat.

I have accepted the honour and responsibility of working with the rest of the Executive as the President to hopefully continue to move the club forward. It is your club and any input from any member will be welcomed and carefully considered for implementation. Please feel free to put forward suggestions that you feel would benefit the growth of the club. The club will always be only as good as its members want it to be. We have a long history as a club, dating back to 1920, and as we move towards our 100th anniversary, let us make this continue to be a vibrant club that others can envy.

I'm looking forward to working with the elected Executive and with each and everyone of you to make your club one that we can all have pride in.

I must apologize for missing the first meeting of the 2012/2013 year. Unfortunately I am spending some time in Newfoundland providing some technical assistance during the annual Targa Newfoundland six day car rally. Also unfortunately I will not have time to operate V01AA, the Marconi Memorial Club Station this trip. Guest operating at that station is possible by contacting the ham radio club in Newfoundland (www.sonra.ca) and asking for permission to operate the station. You will need to show them a copy of your license and arrange a firm date to be on site. The rig is a fancy Icom (model unknown to me) into a G5RV and the take-off over the ocean to the east is spectacular. If you ever head out to St John's, set aside a half a day to visit the site on Signal Hill and make some contacts.

73, David VE3K GK

HF Corner for September 2012

by David Lambert, VE3KGK

Editor Note: You can hear Dave make an HF contact on YouTube at the following link.
<http://www.youtube.com/watch?v=KQky1tug-MY>

Sept 2 - 10	FR/DF5AN	Reunion	10-80 mainly cw
Sept 3 - 10	C21BN	Nauru by JH1NBN	40-10 ssb/cw
Sept 3 - 14	8Q7OE	Maldives	40-10 ssb and psk
Sept 5 - 12	3B8	Mauritius	mainly cw
Sept 5 - 18	NH8S	Swains Is	DX-pedition split freq
Sept 6 - 9	KH0	Mariana Is	30-10 ssb/cw
Sept 7 - 10	EA6	Balearic Is	40-2m ssb/cw
Sept 7 - 21	E6M	Niue Is	6-2m ssb/cw
Sept 9 - 15	SV9	Crete	80-6 ssb/cw
Sept 16 - 19	JW8DW	Svalbard	some ssb, mostly cw
Sept 13 - 17	XP2I	Greenland	cw
Sept 14 - 21	P49T	Aruba	ssb/cw
Sept 14 - 28	T8XX	Palau	cw
Sept 18 - 23	HB0	Liechtenstein	80-10 ssb/cw
Sept 22 - Oct 6	KH6	Hawaii	40-10 ssb/cw
Sept 26 - Oct 5	3D2C	Conway Reef	DX-pedition split freq
Sept 26 - Oct 1	VP2V	Br Virgin Is	ssb/cw
Sept 26 - Oct 21	FR	Reunion	ssb/cw all bands
Sept 28/29	CQ WW DX contest RTTY.		

You can search DX Watch to see if any of these stations are on.

Remember the DX Code of Conduct.

73, gud DX. See you next month.

VE3KGK hoping to notch two new ones this month!

RAC Bulletin 2012-054E - Two Commercial Operations Evicted from Two Meter Band

September 7, 2012

Following investigation into several member complaints, the Radio Amateurs of Canada is pleased to announce that two cases of frequency incursion have been resolved.

In the first, a transportation company based in Reinfeld, Manitoba was observed to be operating illegally on 144.100 MHz. In addition to operating inside the amateur radio two meter band, this operation posed a threat to low signal operations across a wide portion of North America. The company in question had purchased VHF radios from a US based supplier who failed to indicate correct licensing procedures. Upon contact from RAC, the company agreed to immediately cease operating in the two meter band and shifted their operation to a business band frequency. Industry Canada was notified of the incursion and continues to work with the company to secure a licensed channel.

In the second matter, a home moving company was observed to be operating on 144.940 MHz. The company is based in Winkler, MB but the operation was observed in Alberta during the moving of a house. In this case, the company had already licensed frequencies with Industry Canada. They had requested 144.940 MHz as a channel. Their request was denied by Industry Canada and a business band channel was issued. However, the company failed to check their license paperwork and assumed they had been approved for their requested channel.

The moving company was also contacted by RAC and agreed to move their operations to their correctly licensed frequencies. Given their wide geographic operations Industry Canada has

licensed their operation on four separate channels including 140.730, 154.325, 158.940 and 151.730.

In both cases, it appears that channels in the two meter band were chosen by these businesses because their new vhf radios defaulted to that frequency range. As well, both businesses indicated they could simply dial a new frequency into the radio to move out of our band. This is strong cause for concern that the actual radios being used are modified Amateur Radio equipment. The use of equipment intended for Amateur Radio operation outside of the Amateur Bands or by persons who do not hold an Amateur Radio Certificate is illegal.

Action on these and other incursions has been made possible by quality reports from monitoring stations. RAC thanks those Amateurs who have provided assistance in these specific files. The strong national voice for Amateur Radio that the Radio Amateurs of Canada provides is made possible by members across our country and associate members beyond our borders. You can find out more about the benefits of membership for you and the benefits to Amateur Radio as a whole at www.rac.ca

Reports of confirmed or suspected illegal operation should be sent to regulatory@rac.ca

Bill Gade, VE4WO
Regulatory Affairs

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

RAC Bulletin 2012-048E - RAC Bulletin - New Ontario Section Managers announced

August 12, 2012

It is with a great deal of pleasure that I formally announce the four new Ontario Section Managers. These appointments/nominations are effective immediately, and will be merged into the normal nomination/election process at the end of a two year term.

Section Manager Ontario North Allan Boyd VE3AJB

A veteran of the Ontario Section Management team, Allan became a Ham in 1986 and holds advanced status and 15 WPM Morse code. He is a long time President of the Manitoulin Amateur Radio Club and a 31 year veteran of the OPP. Allan

has been involved with ARES for many years and has held the position Emergency Coordinator until becoming Section Manager for Ontario in 2005. Allan holds many awards and certificates, and resides with his spouse of 30 years Judy in Little Rapids, Ontario.

Section Manager Ontario East Michael Hickey VE3IPC

Mike is a veteran with ARES in Capital Seaway District and has held positions of Emergency Coordinator, District Emergency Coordinator and most recently as Assistant Section Manager. Mike's passion is the promotion of "Mutual Aid" and he has run numerous sessions with local Hams helping them through the process. Mike's enthusiasm is only matched by his determination, which I have learned to respect since meeting him two years ago.

Section Manager GTA George Duffield VE3WJK

George has been a Ham for more than 20 years, and holds his Advanced and Morse Code endorsements. He has been President of the Peel Amateur Radio Club and is an active ARES supporter and has previous positions as AEC, EC, and ADEC. George was a respected CBC sports broadcaster for more than 25 years and is involved with many not for profit groups as well the Christ Church Anglican Church in Brampton where he has lived for more than 40 years. George is a widower with two children and five grand children.

Section Manager Ontario South Ian Snow VA3QT

Ian has been an Advanced Ham since 1971 and has served on the Executive of the Halifax ARC and as President of the Barrie ARC. Ian entered public service as a member of the Waverly NS Ground Search and Rescue Team as a radio operator and as an ARES DEC in Ontario. Ian is retired from an extensive Military Career serving as Short Service Aircrew Officer, Radio Officer, Air Navigator and as an instructor at Air Force Headquarters, Winnipeg. Ian is a graduate of the Canadian Forces Command and Staff College and the University of Manitoba Transport Institute. He resides in Barrie Ontario and winters in Yuma, Arizona.

In making this announcement, I congratulate and thank each of you for your past service to the members of the Radio Amateurs of Canada and look forward to working with you as members of the Ontario Section Managers Council.

I am confident that you will each receive enthusiastic support from members of your new Sections, and welcome you each to join me and RAC President Geoff Bawden on a transitional teleconference this coming Wednesday at 7:30pm Eastern.

Doug Mercer VO1DTM/VO1DM CEC
Chief Field Services Officer
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Vernon Ikeda - VE2MBS/VE2QQ
Pointe-Claire, Québec
RAC Blog Editor/RAC E-News/Web News Bulletin Editor

RAC Bulletin 2012-052E - Ontario Section News - 2012-08-30

August 30, 2012

All Ontario Amateurs - MESSAGE TO ALL AMATEURS – THANK YOU FOR YOUR SUPPORT & WELCOME TO THE NEW ONTARIO RESTRUCTURING

As you are aware changes have been made and now are ready to launch September 01, 2012 here in Ontario on behalf of the Radio Amateurs of Canada in relation to the Ontario Field Services. In the past Ontario has been served by one elected official of Field Services that being the Ontario Section Manager. For the last 7 years I have had the honour and pleasure to be elected and serve as your Ontario representative for Field Services on behalf of RAC. This position brought responsibilities of overseeing the field services in Ontario including

ARES, the NTS, Official Bulletin Service and the Official Observer Service. I have had the opportunity to work with many wonderful and knowledgeable amateurs in these services and the wealth of experience in the province is second to none. However I also have been around long enough to realize that one person and one person alone cannot do justice to the job it deserves.

I know that during my time I have spent relentless hours on e-mails and discussing issues with many amateurs over the phone. In reality these concerns should be addressed face to face. I am a firm believer that for RAC to flourish in the future you need to have personal, interaction with your RAC official. Living in Northern Ontario and working full

time I did not have the luxury to visit many clubs or ARES groups. I have met many of you at flea markets and meetings but you need to have there ability to contact your RAC Official when you need him/her. This is why I am excited about the new restructuring proposal undertaking by RAC. With three more additional Section Managers in the province representing their section of the province there is the opportunity to get more interaction. Each Section having a coordinator for the field services will only work better and represent all of you and make RAC stronger as a national organization. One of my last duties as Ontario Section Manager is to welcome the three additional members to the Ontario Team.

- Section Manager Ontario South - Ian Snow, VA3QT - Ontario South - ONS
- Section Manager GTA - George Duffield, VE3WKJ - Greater Toronto Area - GTA
- Section Manager Ontario East - Michael Hickey, VE3IPC - Ontario East - ONE

I know these three experienced amateurs will serve the amateur community well and I look forward to

the new direction Ontario is taking and working with these fine gentlemen. Having served as Section Manager for all of Ontario for the past 7 years I want to take this opportunity to thank all of you that have supported me and my field services members over the years. Your commitment to the program has been proven many times over. I look forward to serving the members of Northern Ontario as your Section Manager for Ontario North - ONN. As always I am open to any questions or concerns that you may have. Please feel free to contact me at anytime. I look forward to this new process and the exciting times ahead for Field Services and RAC.

Yours Truly

Allan Boyd - VE3AJB
Section Manager – Ontario
Radio Amateurs of Canada
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Vernon Ikeda - VE2MBS/VE2QQ
Pointe-Claire, Québec
RAC Blog Editor/RAC E-News/Web News Bulletin
Editor

Heathkit Files For Bankruptcy

August 3, 2012

The Herald-Palladium newspaper says that the remnants of the famed Heathkit Company that once employed up to 1,800 people in St. Joseph Township, Michigan, is now on the auction block.

Owner Don Desrochers told the paper that the company, which was down to half a dozen employees at the end, defaulted on its lease and has filed for bankruptcy.

The organization was last known as Heathkit Educational Systems. Desrochers told the Herald-Palladium that this business was primarily dependant on federal and state funding for schools. Unfortunately, spending in education continued to

drop and as such it was economically unfeasible to continue operating.

Founded in 1926 as an aircraft company, Heathkit shifted its focus to electronics after World War II when it bought surplus electronic parts to build kits. Heathkit left the kit business in 1992, focusing on educational materials, then announced it was getting back into the kit business in 2011. According to Desrochers it was losing the educational business faster than it could grow the electronics business, which was not sustainable.
(Published news reports)

Radio Technology: An FDMDV Open Source 1400 bps HF Modem

August 3, 2012

David Rowe, VK5DGR, has made available open source software for a 1400 bps High Frequency FDMRV modem.

FDMDV stands for Frequency Division Multiplexed Digital Voice and is described as basically being a grouping of slow modems running in parallel. For example FDMDV has 14 carriers spaced 75 Hz

apart, each running at 50 symbols a second. Due to multipath problems on the High Frequency bands this approach is claimed to work better than one carrier running at 700 symbols per second.

One of the applications of this modem technology will be Digital Voice since it offers fast sync, no multi-second training sequences, the ability to

recover quickly after a fade, and no automatic re-transmit of "bad" packets.

Those interested in experimenting with HF digital voice using this technology can find further information and source code at www.tinyurl.com/hf-digital-voice-modem (Southgate)

Emerging Technology: Nano Coax Cables And Their Uses

August 3, 2012

Nano technology is in the news once again. This time as a way to store energy.

With all the research on nano-technology, perhaps we shouldn't be surprised that one of the latest involves coaxial cables on a nano-scale.

The main interest in the nano-coaxial cable is as an energy storage device due to the very high capacitance between the inner and outer conductor. A study conducted at Rice University found that the capacitance of the nano-cable is at least 10 times greater than would be predicted with classical electrostatics. The capacitance of the new nano-cable is up to 143 microfarads per centimeter-squared.

Study co-author Jun Lou notes that for energy storage, he can envision a large scale energy storage device consisting of millions of tiny nano-cables side by side in large areas. Lou also says that this cable might also be used as a transmission line for radio frequency signals at the nano scale. This could be useful as a fundamental building block in micro and nano sized electromechanical systems like lab-on-a-chip devices.

It appears as if nano technology has come a long way since we began reporting on it only a few short years ago. (TV Technology)

RFinder The World Wide Repeater Directory now supports iPad screens!

August 3, 2012

From TI5/W2CYK at the foot of the Arenal Volcano, Costa Rica

After many requests from our users to support iPad screen formats, well, you asked for it, you got it!

RFinder- The World Wide Repeater Directory's latest release in the App Store now supports the iPad screen geometry fully, with rotation, etc.

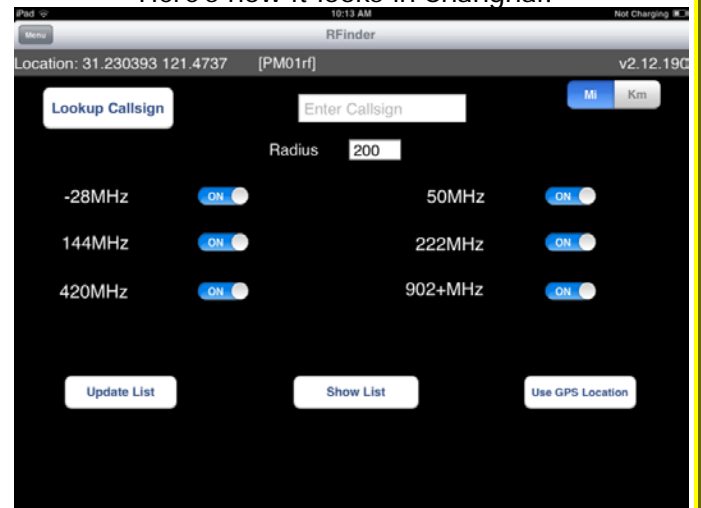
RFinder already runs on iPhone and Android and <http://web.rfinder.net>. The World Wide Repeater Directory is also accessible from RTSystems radio programmers and via CHIRP on Windows, Linux and Macintosh with the same user/password you use on handheld devices. Our goal is to have the WWRD accessible from most pervasive platforms. To that end Windows Phone and Symbian versions are in development and slated for release this fall. The web version has been tested and works on Blackberry. RFinder web has downloads for POI's for TPE and most major GPS's, including AvMap G5/G6, the GPS for Amateur Radio Operators.

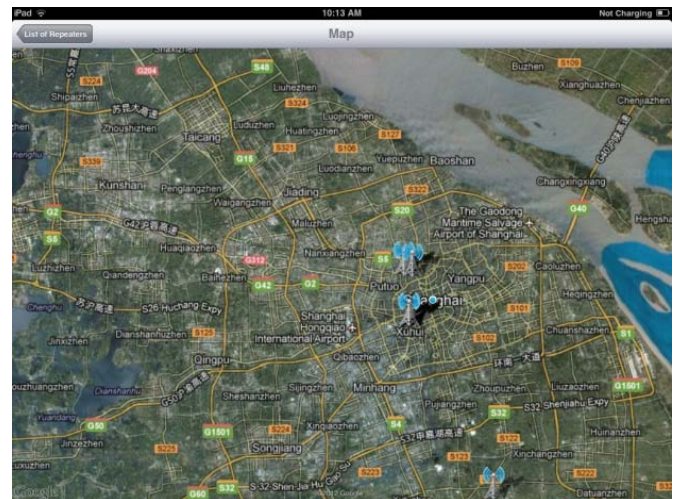
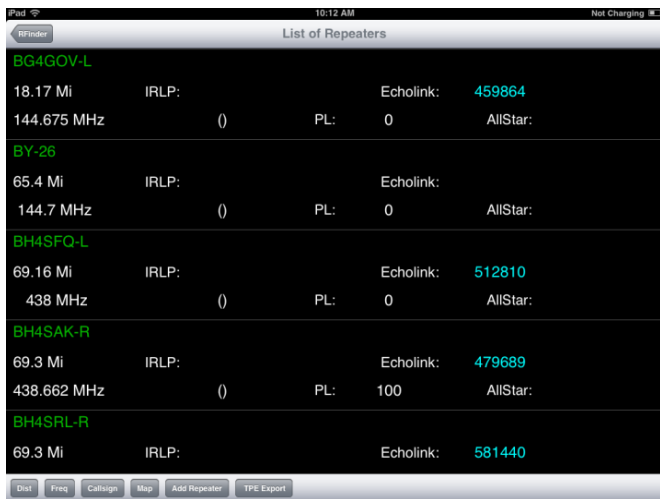
Android Pad format is now in development, look for it in September!

We have connected with the Frequency coordinators in Costa Rica while here and the full set of repeater data for TIx will be online in the next few weeks, adding yet another country to the WWRD.

73's de TI5/W2CYK (packing to go home after the YDXA Youth DXPedition which we sponsor...support the youth of Amateur Radio!)

Here's how it looks in Shanghai!





The World Wide Repeater Directory now support ircDDB Dstar Nodes and also MotoTRBO

August 19, 2012

From the shack of W2CYK

In our constant pursuit of supporting all repeaters worldwide, no matter what technology used for repeating, we have added a weekly feed of new ircDDB Dstar nodes and MOTOTRBO nodes. They are designated as (ircDDB) and (TRBO) respectively in the World Wide Repeater Directory. Information about those nodes can now be viewed in the RFinder family of repeater locators on [Android](#), [iPhone/iPad/iPod](#), [Web](#) and [GPS POI's](#) as well as our third party developers [RT Systems](#) and [CHIRP](#).

[Bring a Friend to The World Wide Repeater Directory \(WWRD\) Promo](#) still running for details [click here](#)

RFinder runs on [iPhone/iPad/iPod](#) and [Android](#) and <http://web.rfinder.net>. The World Wide Repeater Directory is also accessible from [RTSystems radio programmers](#) and via [CHIRP](#) on Windows, Linux and Macintosh with the same user/password you use on handheld devices. Our goal is to have the WWRD accessible from most pervasive platforms. To that end Windows Phone and Symbian versions are in development and slated for release this fall. The web version has been tested and works on Blackberry. RFinder web has downloads for POI's for TPE and most major GPS's, including [AvMap G5/G6](#), the GPS for Amateur Radio Operators.

Android Pad format is now in development, look for it in September!

Helping Hams: RFinder.net Seeks Input From Frequency Coordinators

August 31, 2012

The on-line repeater directory RFinder is inviting Frequency Coordinators to use the World Wide Radio Directory help them in conducting their work. The hams who operate RFinder say that they have already heard from several frequency coordinators who have told them that being able to see the repeaters across borders is very helpful. As such, RFinder says that frequency coordinators in several countries are using RFinder/Web as a tool

in their activities. They are also looking to compile a wish list from the coordination community to build a special portal for them to have the tools they need to make frequency coordination easier. If you are a coordinator who wants to contribute to this wish list please send your thoughts by e-mail to w2cyk@rfinder.net. You learn more about RFinder and the services that it provides all who use repeaters on-line at www.rfinder.net. (RFinder)

RFinder – The World Wide Repeater Directory now supports Winlink RMS Nodes!

September 1st, 2012

From the shack of W2CYK

Winlink: We have been asked so many times we lost count to support Winlink. As of 1 September, 2012, we will have a weekly feed of Winlink Remote Mail Servers. They are designated (RMS) in the node Notes, but we are currently revamping our apps on Android, iPhone and web.rfinder.net to allow showing only individual node types (ie IRLP, RMS, Echolink, DStar, AllStar, etc.). Bring a Friend to The World Wide Repeater Directory (WWRD) Promo still running for details click here

RFinder runs on iPhone/iPad/iPod and Android and <http://web.rfinder.net>. The World Wide Repeater Directory is also accessible from RTSystems radio programmers and via CHIRP

on Windows, Linux and Macintosh with the same user/password you use on handheld devices. Our goal is to have the WWRD accessible from most pervasive platforms. To that end Windows Phone and Symbian versions are in development and slated for release this fall. The web version has been tested and works on Blackberry. RFinder web has downloads for POI's for TPE and most major GPS's, including AvMap G5/G6, the GPS for Amateur Radio Operators.

Android Pad format is now in development, look for it in September!

RFinder data is constantly updated by frequency coordinators and users worldwide. Our data is dynamically loaded, which means its always up-to-date.

RepeaterBook - The Free Repeater App for the USA and Canada.

Powered by the popular community database of RepeaterBook.com and software of ZBM2.com RepeaterBook, enables you to easily find repeaters across the USA and Canada, for free and without a network connection.

<https://play.google.com/store/apps/details?id=com.zbm2.repeaterbook&hl=en>

- No network connection required.
- Use network, GPS or a grid square to find Repeaters.
- Displays your grid and selection distance.
- Comprehensive selection, sorting and display options.
- Displays distance, heading and full repeater details.

- Fast and flexible, designed to help you use the repeater network.
- Easily submit updates and additions from within the app.
- Supports BlueCAT - FT-857/FT-857 Bluetooth CAT interface

Touch a repeater to instantly set your radio, no more fiddling with CTCSS, frequency and offsets.

For our friends outside North America we have our popular Repeater app.

RepeaterBook and Repeater will always be free.

73

Garrett KD6KPC and Nicolas M1HOG

Ultimate DX: Listening For The Mars Reconnaissance Orbiter And Lander

August 10, 2012

Want to try your hand at some truly out of this world DX listening? With the successful landing of NASA's rover Curiosity on Mars, some hams are thinking of trying to catch signals from the new rover directly or those from the Mars Reconnaissance Orbiter circling the Red Planet. Is it possible? Amateur Radio Newslines's Bruce Tennant, K6PZW takes a look at the communications aspect of the mission:

Thanks to some research by the Southgate News, it turns out the Curiosity rover transmits on frequencies around 401 MHz but the transponder on the Mars Reconnaissance Orbiter or MRO has a CCSDS Forward Frequency in the 437 MHz Amateur Satellite Service band. This is because 435 to 438 MHz is shared with the Military and 432 to 438 MHz is also a Space Surveillance Radio Band. In fact, general space usage extends beyond that.

So how does it all work? Well the Mars Reconnaissance Orbiter has a UHF transponder known as MELACOM that operates between 401 to 437 MHz. It also has a pair of patch antennas to communicate with any landed asset on Mars surface supporting the CCSDS Proximity-1 protocol.

And with it all working the way it has throughout this mission, signals from the Mars Reconnaissance Orbiter are being received back on Earth.

While NASA's Deep Space Network has no problem in hearing the Mars Reconnaissance Orbiter, the question might be if a ham radio station with its simple equipment might be able to do the same. If you want to give it a try there are two papers from NASA that might be of assistance.

The first describes the operation of the Mars Reconnaissance Orbiter. It can be found at www.tinyurl.com/mro-operations. The other is titled Mars Express and the NASA landers and rovers on Mars - Sustaining a backup relay in an interplanetary network. Its URL is www.tinyurl.com/space-communications. Both of these documents are in Adobe .PDF format.

Oh, if you are successful in hearing either the lander or the orbiter please be sure to record any audio you hear along with the story of how you accomplished it. We will be happy to share it with our listeners, world wide. (*Southgate, ARNewslines*)

Morse Code On Mars

August 17, 2012

And finally this week, the story of Morse code on Mars. When the Mars rover Curiosity moves around the red planet it leaves a series of dots and dashes on the surface. These dots and dashes are a part of Curiosity's wheels and are made by square and rectangular imprints on the rovers treads.

According to Jet Propulsion Laboratory's Mars Rover Mechanical Engineering Team, these holes or imprints actually have a purpose as odometer markers. JPL Engineers are looking at the tread

marks to verify that Curiosity has traversed the distance it expects.

So what pattern did JPL choose to put on Curiosity's wheels? The holes are in a pattern of short squares and longer rectangles as in the ancient and honorable Morse code. And what does it spell out in CW? Simply the three letters JPL.

The full story of this Morse code on Mars is on-line at www.tinyurl.com/cw-on-mars. And lest we forget, you can follow Curiosity on Facebook at www.facebook.com/MarsCuriosity. (*Various sources*)

Radio Through Space: Mars Rover Gets Software Update

August 24, 2012

NASA's Mars Science Laboratory at JPL team has sent a software update to the Curiosity Rover on Mars, more than 160 million miles away. According to [Venturebeat.com](http://venturebeat.com), the software had to be updated because Curiosity needed different directions to drive around on Mars than it did to land on the planet's surface.

The computer hardware in the Curiosity Rover is powered by a pair of computers built by BAE Systems. These RAD750 computers use a 10-year-old IBM PowerPC microprocessor running at a relatively slow 132 megahertz. These machines

also have only 120 megabytes of random access memory, but are built to withstand wild temperature swings, radiation, and physical shaking.

The drawback is that the computers on the robot vehicle did not have enough memory for both the landing and its surface missions. So NASA had to swap out the software over four days of communication through the void of space. It took so long because it takes about 14 minutes to send the signal to the rover and another 14 minutes to get a response back. ([Venturebeat.com](http://venturebeat.com))

YU1YU Elected Prime Minister Of Serbia

August 10, 2012



New Serbian Prime Minister Ivica Dačić, YU1YU.

Some names in the news. Former Serbian Internal Affairs Minister Ivica Dačić, YU1YU, was elected as that country's newest Prime Minister on July 27.

Dačić is the leader of the Socialist Party of Serbia. From 2008 until his election as Prime Minister he served as First Deputy Prime Minister, as well as Minister of Internal Affairs. In March 2012, Serbia became a candidate for membership in the European Union.

In the world of amateur radio Dačić is a member of the Amateur Radio Union of Serbia which is Serbia's IARU Member Society. He is said to be a member of his local club known by its call letters as YU1AAV.

Dačić succeeds Mirko Cvetkovic who served as Serbia's Prime Minister from 2008 to 2012. ([Southgate](http://southgate.com))



In 2008, Dačić was featured on the cover of Radio Amateri, the journal of the Amateur Radio Union of Serbia, that country's IARU Member-Society.

VE3LC Appointed To CITIG 700

August 10, 2012



Norm Rashleigh, VE3LC, has been appointed by Radio Amateur of Canada to serve on the Canadian Interoperability Technology Interest Group or

CITIG 700 MHz definition working group. This group will help to define the network architecture and technical interoperability requirements for a Nationwide broadband mobile data network operating in the 700 MHz band. VE3LC is currently on the RAC Radio Advisory Board of Canada and has just completed a term as Vice President Industrial Liaison. (VO1DTM/VO1DM)

IARU Says It Would Welcome Dot Radio Domain

August 31, 2012

The International Amateur Radio Union says that it will back the European Broadcasting Union proposal that the top level Internet domain dot radio be used to help to create a global radio community. IARU President Tim Ellam, VE6SH, says that his organization believes that the proposal, to be submitted by the European Broadcast Union, could provide a unique opportunity to standardize radio domain names on the Internet.

In a recently made public letter, VE6SH said that he recommends that the dot radio domain proposal be approved by the Internet Corporation for Assigned Names and Numbers. European Broadcast Union Director General, Ingrid Deltenre said the International Amateur Radio Union comments are an expression of confidence in the proposal. The complete story on the new dot radio domain and how it will impact all spectrum users is on-line at www.tinyurl.com/iaru-dot-radio (IARU, VK3PC)

London Olympics Commemorative Station May Have Set World Record

August 31, 2012

The Radio Society of Great Britain reports that the team at 2012L, the amateur radio station for the London Olympic and Paralympic Games, believe that they have now broken the world record for the number of Q-S-O's by a Special Event Station. As of 21:42 UTC on August 21st, 2012L had logged contact number 47,791.

2012L goes QRT on September 9th at the end of the Paralympic Games closing ceremony. As such

the operators are fairly confident that they can achieve their target of 60,000 contacts.

It is believed the previous standing record for a ham radio Special Event station was held by the group that operated DQ2006X during the 2006 World Cup. That station was on the air from May 13th through July 16th of 2006 and made 47,790 contacts.

More on the operation of 2012L is on-line at www.2012L.com. (RSGB)

Ham Radio In Space: Keplarian Elements Change With ISS Higher Orbit

August 31, 2012

Space-Travel.com reports on August 22nd that a European ATV-3 unmanned supply spacecraft was used to raise the International Space Station's orbit to about 261 miles. The orbit adjustment was done in two stages, with the ATV-3 engines firing for 348 seconds to lift the orbit to 257 miles followed by another burn four hours later that brought the space station to its final altitude.

The maneuver was conducted to prepare for the return to earth of Russia's Soyuz TMA-04M manned

spacecraft on September 17 and the docking of the Soyuz TMA-06M manned spacecraft with the ISS on October 15th. For amateur radio space enthusiasts this means that you will have to readjust your Keplarian elements when tracking the ISS at its new higher altitude. The complete story of this orbital maneuver is on-line at www.tinyurl.com/ISS-Reboost. (ANS, *Space-Travel.com*)

Mike Baxter, KA0XTT Of Last Man Standing Gets New Antenna Farm

September 7, 2012



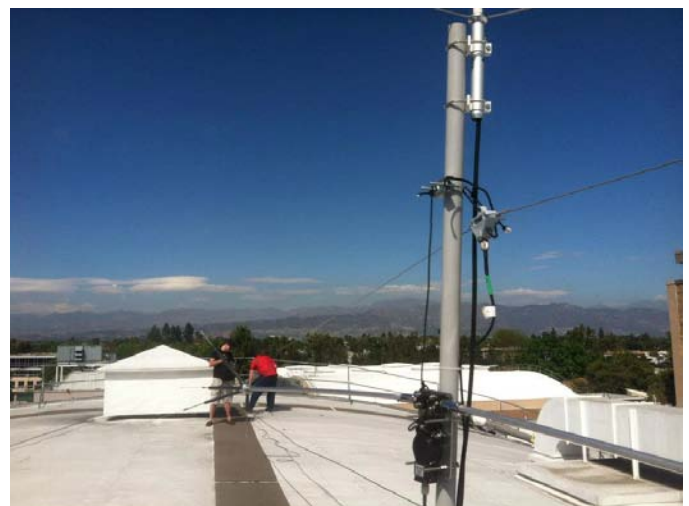
According to a posting on Facebook by the lead character of the situation comedy Last Man Standing, as soon as it get closer to the shows season two premiere of Friday, November 2nd, they will be holding a combined HF, VHF, UHF and D-Star ham radio operating event. This will put all of the amateur radio gear used on the show and the licensed staff members on the air for you to contact.



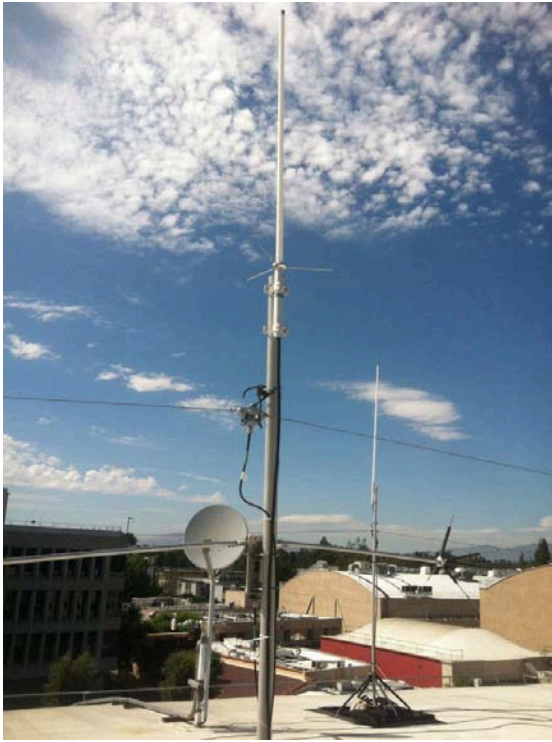
Mike Baxter's station



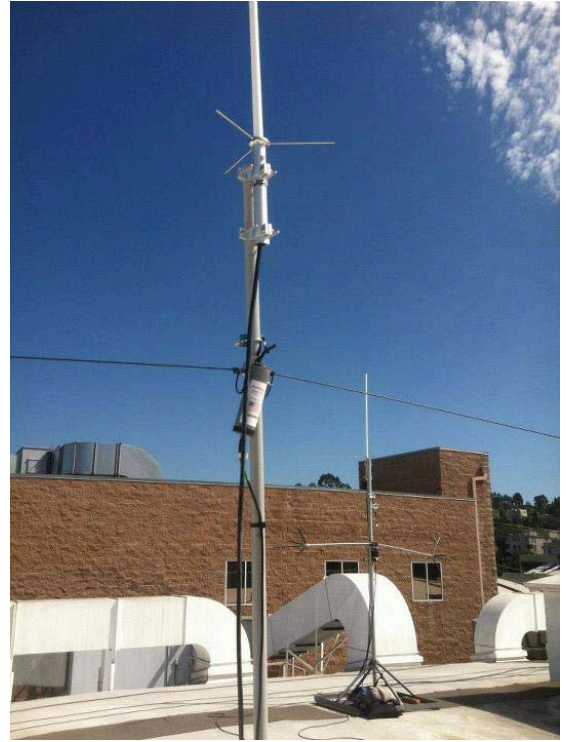
Installing the antennas



Comet GP1 above Alpha Delta DX LB and Comet CHV5x



Comet GP1 above Alpha Delta DX LB and Comet CHV5x



Comet GP-3 above RadioWavz OCF 80

The shows producer is John Amodeo, NN6JA. He has just uploaded to Facebook close to a dozen photos of the new outdoor antenna installation on the roof of the Studio City, California sound stage where the Last Man Standing is recorded. If you are on Facebook you can see them by putting the words "Last Man Standing Season 2 Antenna Farm" into the search line at the top of any Facebook page.



Non Penetrating Roof Top Mount with sandbags. Radiowavz RF Choke



Comet GP1, Alpha Delta DX LB & Comet CHV5x in foreground and Comet GP3 & Radiowavz OCF 80 in background

For those of you who have not yet seen the show, Last Man Standing follows the adventures of Mike Baxter played by actor and comedian Tim Allen. Baxter's character is the director of marketing at an outdoor sporting goods store in Denver, Colorado, whose world is dominated by women. This is especially true at home with his wife and three daughters. His hobby turns out to be amateur radio with Baxter using the call letters KA0XTT. Last Man Standing airs on the ABC television network. (ARNewsline™)

COME OUT AND JOIN US FOR THE
35TH ANNUAL
LONDON AMATEUR RADIO CLUB FLEA MARKET
SUN. SEPT, 23, 2012
9AM TO 12PM



YOU WILL FIND GREAT BARGAINS



SEE SOME OLD FRIENDS AND



MAKE SOME NEW ONES

GREAT VENDORS INCLUDING
RADIOWORLD
DURHAM RADIO
MAPLE LEAF
A-1 COUNTERPARTS

AT THE
SPECIAL EVENTS BUILDING



WESTERN FAIR
district
be entertained

LONDON AMATEUR RADIO CLUB ANNUAL FLEAMARKET AND HAMFEST

9.00 AM To Noon "Bring & Buy"

We are continuing to help Hams who only have one or two items to sell. People like to come to our hamfest and look around and have a good time. Many don't wish to rent a table when 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: The club operated **Bring-and-Buy** table.

Here's how it works....

You don't 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 and notes 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 \$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.

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).

