



RAC Affiliated Club

Club Call: VE3GCB

BARC
Newsletter



Issue # 2011-3
October 2011

Club repeater: VE3RAG
147.000+ (156.7 Hz tone)

Barrie Amateur Radio Club Newsletter

Editorial

Club elections are fast approaching and will occur at the 8 November meeting. Now before you decide to skip to the next paragraph, think about it! Somebody has to help organize things and help make our club an interesting and informative place for hams in the Barrie area to get together both socially and to exchange information. Consider doing something for your ham club and your community; volunteer for a position on the BARC executive, it can be very rewarding and a lot of fun too.

I just bought a copy of “SolderSmoke – Global Adventures in Wireless Electronics” by Bill Meara N2CQR, which is an excellent read. Here is an excerpt from his book:

..... Technical ability was what distinguished us from this rabble [the CBers], and our technical skills had government certification. We had licenses, and we had to pass very difficult exams to get them. It was the difficulty of the exam that made the amateur radio license attractive. Here was something that was hard to get even for adults, but available to you even if you were a 13 year-old kid. If you passed the exam, you became a government-certified expert, and a member of the fraternity. You were issued a unique call sign that you could tack onto your name. ... I eventually became Bill Meara, WB2QHL. For me, that call sign carried the same weight as Ph.D. They even listed you in this big, phonebook-like directory of U.S. Radio Amateurs. Getting an amateur radio license was a very big deal for a 13 year-old kid in the early 1970's.

Check out his webpage at <http://www.soldersmoke.com/>, and his audio podcasts are also very good.

I recently attended a meeting of the Barrie Photo Club, it was very well attended – about 50 people showed up! Hmm, I wonder where all those 150 to 200 hams in the Barrie area are? Maybe they're all out taking pictures?

Al VE3RRD and Jack VE3RDQ recently visited newly licensed Eric VA3EEB to help him put up a 2m/440 antenna, with an HF antenna yet to be erected. Helping other hams (especially new hams) get on the air can be a fun and rewarding experience. Get out and help a new ham; remember that without new hams there soon won't be any old hams.

Enjoy your hobby – become involved

You get out of it what you put into it.

Editor – Al Duncan VE3RRD

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Anything in the Barrie Amateur Radio Club Newsletter may be used in other Amateur Radio publication provided credit is given to the author and to the Barrie Amateur Radio Club.

If you have any inquiries, you can contact the club via the following email address:

HamRadio@barriearc.com

Be sure to visit the Barrie Amateur Radio Club webpage at:

<http://www.barriearc.com/>

Next Club Meeting

The next general BARC meeting will be held on Tuesday, 11 October in the cafeteria of the Barrie North Collegiate High School starting at 7pm – check the BARC webpage and http://www.barriearc.com/Links/meeting_presenters.htm for more info.

You do not need to be a club member or a Ham to attend the BARC meetings. Everyone is welcome.

If you are interested in membership in BARC, go to the webpage at:

<http://www.barriearc.com/membership.html> . Check out what club activities are taking place each month on the club calendar: http://my.calendars.net/barc_hamradio

Back issues of this newsletter for 2007 through the current year can also be downloaded from the BARC website.

If you would like to do a presentation or a “show and tell” at one of the BARC meetings, please contact someone on the executive or email the club. Come and show off your latest ham project.

Other Events

Don't forget the regular Monday evening CBSS ARES (City of Barrie and South Simcoe ARES) net at 7:30pm on the VE3RAG (147.000+) repeater (you must transmit a 156.7Hz tone). The latest RAC bulletins are also read over the air. CBSS ARES members take turns as Net Control.

There is a “Rag-chewers” net each Wednesday evening at 7:30pm on the VE3LSR 146.850 repeater.

Morning Breakfast Groups

Currently there are two “Ham” breakfast gatherings in Barrie – everyone is welcome (talk-in is on VE3RAG 147.000+ 156.7Hz tone).

- Every Saturday morning at 8am at “Debb’s Place” restaurant located at 352 Huronia Road just north of the intersection with Big Bay Point road.
- Wednesday morning at 9am at the Paradise Café restaurant in the Atrium building located at the corner of Cundles Rd. and St. Vincent Street.

The next CBSS ARES ([City of Barrie and South-Simcoe Amateur Radio Emergency Service](#)) meetings will be held 7:30 pm on Tuesday 18 October (at the EOC in Fire Hall #1) – check the BARC webpage/club calendar for details. Come to the meeting if you wish to become involved in public service and emergency communications – an expanding and increasingly important aspect of what Amateur Radio is.

Barrie Amateur Radio Club 2011 Officers

President	Robert Critch	•	VE3QTH
Vice-President	Jim Collins	•	VE3LIC
Treasurer	Dave Wainwright	•	VE3ILA
Secretary	Pat Barrett	•	VE3RNH
Director	Al Duncan	•	VE3RRD
Director	Jack Hartley	•	VE3RDQ
Past President	Alex McGuire	•	VE3PKA
Membership	Tom Muzzin	•	VE3THR

Club Activities – Join in on the Fun !

City of Barrie Exercise – 30 May

Members of the CBSS ARES Group were invited to participate in Exercise Summer Storm at the Southshore Community Centre. Agencies involved included the Canadian Red Cross, Salvation Army, St. John Ambulance, Simcoe County Social Services, and the City of Barrie.

The exercise scenario was that a severe thunderstorm with heavy rain, hail and destructive winds had passed through Barrie. The City of Barrie had set up a Reception Centre at the Southshore Community Centre to aid those affected by the storm. Members of the public were invited to play the part of those who needed help, and were given cards telling them what role they were to play in the exercise (some were to pretend to have injuries, others were to pretend they could not understand English etc.).

The ARES Group had a communications centre set up inside the community Centre to handle both voice and printed (email over Winlink2000) messages which were originated by the various agencies to be transmitted back to the EOC. Since the EOC was not being manned for this exercise, Ian VA3QT had his trailer set up in the parking lot and played the role of the VE3EOB Emcomm station located at the EOC.

Just before the exercise began, Al VE3RRD was able to verify operational status of the VE3EOB equipment at the EOC in Fire Hall #1 by exchanging voice and email (Winlink2000) messages with the Southshore Community Centre Emcomm station.

Club members who took part: Pat VE3RNH, Ian VA3QT, Bill VE3GWM, Alex VE3PKA, Jim VE3LIC, Jack VE3RDQ, Joe VE3GSL, Dave VE3ILA, Al VE3RRD and Paul VA3PRT (taking the pictures).



Al VE3RRD sends a Winlink2000 email while Jack VE3RDQ and Joe VE3GSL watch. Dave VE3ILA and Pat VE3RNH are in the background



Pat VE3RNH sends a voice message to the Mobile Command Post



Ian VA3QT and Bill VE3GWM in the MCP played the part of VE3EOB at the EOC

Field Day 2011 – 25 & 26 June

This year we operated from Oro Fairgrounds as a 2A with both stations using SSB voice. We made 371 contacts with a multiplier of 2 (for using low power). After adding in all the bonus points, we ended up with a score of 1292. The results and how we did compared to others won't be out until the December issue of QST magazine.

Those who took part had a good time and we made good use of the new Tim Horton's at hwy 11.



Al VE3RRD fires the fishing line up and over the tree with his trusty slingshot



Ian VA3QT shows his slingshot technique - those birds better move or they're dead!



Ian VA3QT, Eric VA3EEB, Al VE3RRD, Ken VE3KDG and Tom VE3THR put up the first antenna – the 80m – 10m Carolina Windom



Joe VE3GSL, Ian VA3QT and Eric VA3EEB put up the last antenna – a 2m/70cm J-Pole
You can see the Carolina Windom against the sky to the left of the building; the HF antenna on the right of the building is an 80m – 10m G5RV from Bob VE3BFM. Thanks to Paul VA3PRT who took all the pictures.



Ian VA3QT, Eric VA3EEB and Joe VE3GSL get the generators ready



Waiting for Field Day to begin – gee, maybe we got up too early!

RAC Canada Winter Contest results released

The results of this 18 December 2010 contest were recently released by RAC. BARC members who participated operated in the “multi-operator, single-transmitter low power” category. This was accomplished by each ham operating from his home using the club’s VE3GCB call, then saving the software’s log file and emailing it to the next person to operate. This person would then load the log file and add his contacts as he operated, saving the new log file when he finished, and emailing it to the next person etc.

Five club members took part: Robert VE3QTH, Tom VE3THR, Jack VE3RDQ, Pat VE3RNH and Al VE3RRD. All players used the club’s copy of the easy-to-use N3FJP RAC Contest Log software available from <http://www.n3fjp.com/> .

So how did we do? BARC ended with a score of 35580 which put us in 19th place out of 27 entries in this category. Not bad since we weren’t even operating for the entire 24 hour period. You can find information about the RAC contests at <http://www.rac.ca/en/rac/programmes/contests/> .

Everyone said they had a good time and hope we can do it again for the 2011 contest. If you would like to try some contesting, join in – if you don’t have an HF station at home, then join someone else who does.

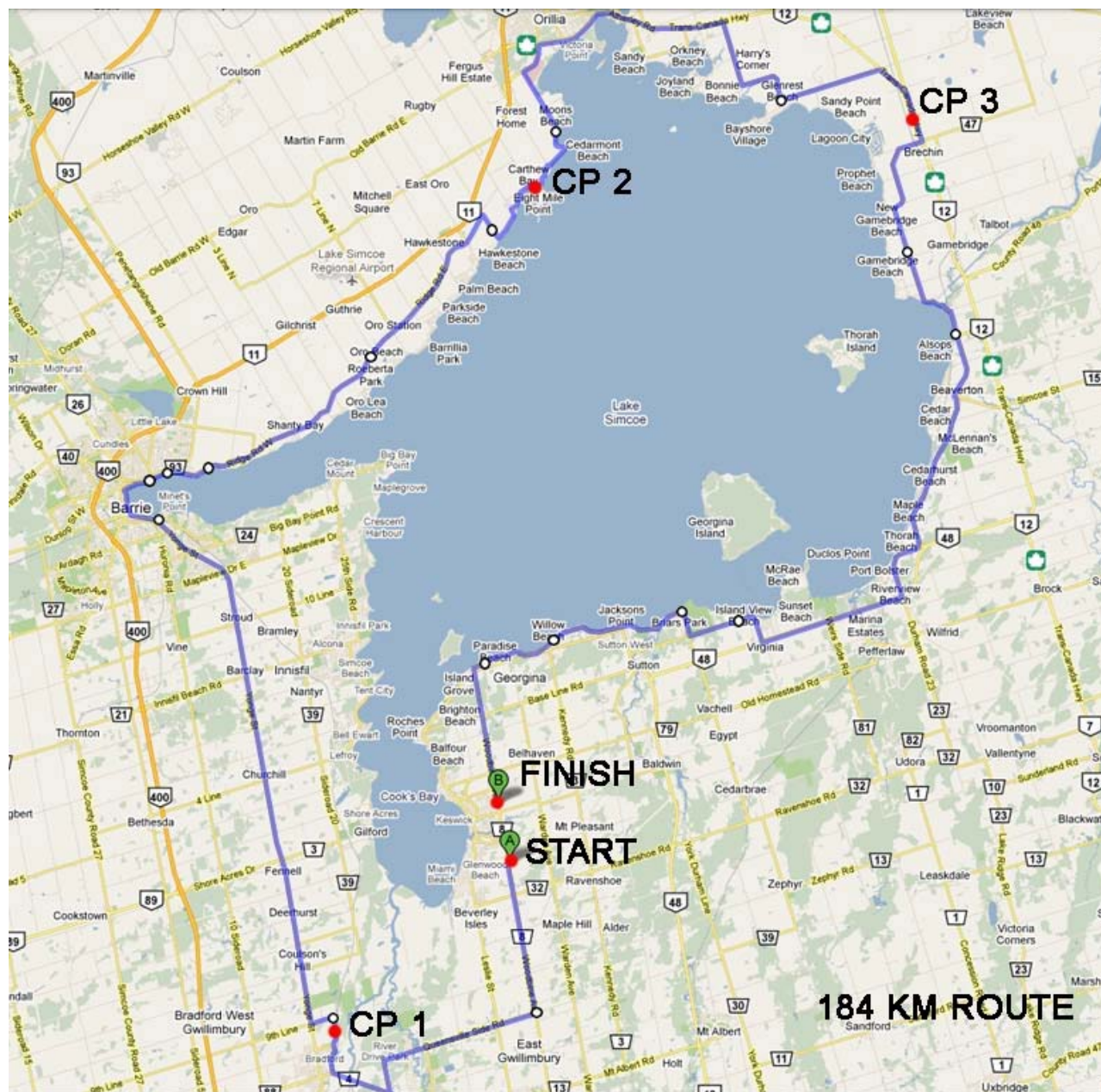
BARC Basic Amateur Radio Course – 7 September through 14 December

We have around 9 students this year who are hard at work studying to get their Basic Amateur Radio Qualification. We started out using the cafeteria at Barrie North which proved to be a little too noisy and uncomfortable, so we have since switched to one of the classrooms.



Lake Simcoe Ride for Literacy – 16 July

Several members of the BARC ARES group took part in providing safety communications for the annual motorcycle Ride for Literacy around Lake Simcoe.



Map showing the route and location of the three checkpoints. The ride uses “back roads” where possible to stay off busy highways and sideroads. The start and finish were in Keswick.

You can find out more about the annual Lake Simcoe Ride for Literacy on their website at: <http://www.rideforliteracy.com/> .



The Ride arrives at the Bradford checkpoint manned by Ian VA3QT and Paul VA3PRT



Bob VE3ODR at checkpoint 3 with Robert VE3QTH. Robert carried one of the APRS beacon transmitters on his motorcycle as he took part in the ride

Sears National Kids Cancer Ride – 16 September

The club was asked if it could provide hams for safety communications for this cross-Canada bicycle event as it left the Barrie Sears store early on a Friday morning and headed down hwy 27. Ian VA3QT, Ken VE3KDG and Al VE3RRD took part assisting Mark VA3DA by following the groups of cyclists with 4-way flashers on to provide some protection from the southbound traffic as they worked their way down to the next checkpoint at Nobleton on the way to the Sherwood Mall in Mississauga. There were police escorts out to the Barrie city limits and also once they entered Toronto, but it was up to the amateur radio operators supporting the ride to do what they could to improve rider safety when there were no police cars with flashing lights to slow down the traffic.



EMCOMM East – 25 September

Pat VE3RNH and Ian VA3QT drove down to Rochester NY on an early Sunday morning to attend this annual conference. Featured speakers for this year were:

Mike Corey, W5MPC,	ARRL Emergency Preparedness and Response Manager
Tom Cox, VE6TOX,	Provincial Emergency Training Officer, Alberta Emergency Management Agency
Ross Mazzola, KC2LOC,	Assistant EC / RO, Monroe ARES/RACES
Bill Edgar, N3LLR,	Director, ARRL Atlantic Division
Matt Welch, W8DEC,	District EC, Ohio ARES District 10
Leighton Jones,	American Red Cross — Greater Rochester Chapter & Finger Lakes Region
John Blowsky, KB2SCS,	EC / RO, Town of Islip, NY
Jim DiTucci, N2IXD,	EC / RO, Monroe ARES/RACES
Ralph Dutcher,	Monroe County Office of Public Health Preparedness
James Pearson, K9GOD,	Ramapo Rescue Dog Association
Dave Hubbell, N2KTO,	Ramapo Rescue Dog Association
Dr. Peter Vincent Pry,	EMPact America
Professor Cynthia Ayers,	EMPact America

More info on EMCOMM East can be found at: <http://emcommeast.org/>

RAC Insurance Program (bolding and additional comments added by the editor)

The Radio Amateurs of Canada is pleased to announce that the highly popular RAC Insurance Program will be available again in 2012, and with increased coverages at no increase in rates. The Program provides several types of coverage including liability insurance for Club activities and its members, equipment loss/damage coverage for Affiliated Clubs and their RAC members, and new this year will be the availability of additional insurance coverage for a RAC member's house, car and travel health insurance, which will be of particular interest to Snowbirds. All of these coverage's are the best available in Canada and are offered at an extremely competitive rates. The RAC Insurance Program is provided as a benefit of membership for RAC Affiliated Clubs and their RAC members.

Highlights of the Program for 2012 include:

- Liability Insurance for Affiliated Clubs of \$10,000,000 or \$5,000,000 per occurrence for 2012 at the lowest cost in Canada.
- Equipment loss/theft/damage coverage for only \$10 per \$1000 of actual equipment value per year (note that "actual equipment value" is not "replacement value" but would be the depreciated value of the equipment)
- RAC members of Affiliated Clubs in the program get liability coverage extended for their home stations at no charge.
- Liability coverage's for portable operation, advertising liability and personal injury.
- Home, Car and Travel Health coverage coming soon.

Complete details of the 2012 RAC Insurance Program and how to apply for or renew coverage can be found on the RAC website at <http://www.rac.ca/insurance2012>.

The RAC Insurance Program is an extra cost service that is made available to RAC Affiliated clubs as a benefit of affiliation. It provides coverage to protect the club as a whole, for liability claims arising from normal club activities and at greatly reduced rates. These Clubs can also purchase equipment loss/damage insurance coverage at very attractive rates for Club radio equipment such as repeaters and club stations. **To be eligible for the insurance, a radio club MUST be incorporated and affiliated with the Radio Amateurs of Canada.**

As a bonus, RAC members of an Affiliated Club that is insured under the RAC Club Insurance Program also receive the same liability coverage for their own personal amateur radio activities at no cost, as a benefit of their RAC membership. They can also purchase equipment loss/damage insurance coverage at the same very attractive rates as the Affiliated Club of which they are a member. Due to Insurance company requirements, **Amateurs who wish to purchase equipment loss/damage insurance must be RAC members and MUST also be a member of an RAC Affiliated Club to be eligible for these insurance coverages.**

The fees for this liability and loss/damage insurance coverage are substantially below the cost of comparable insurance available on the open market. The cost of the liability program to the Radio Amateurs of Canada is based on the total number of people covered, whether they are RAC members or not, because the coverage applies to all Club members. As this program is offered as a benefit of membership in the Radio Amateurs of Canada, **there is a surcharge for members of an Affiliated Club who are not members of the RAC.**

After paying the annual RAC Affiliation fee of \$150/year, the club must pay \$1/year for each member who is also a RAC member and \$11/year for each member who is not.

100+ Things to do in Ham Radio
Don't say the hobby is boring -
Have fun with Ham Radio by doing some of these

Action or Activity	Comment
2M, 70cm SSB or CW	Working the "weak signal" bands can be fun!
6M - what a great band!	Operate the "magic" band on SSB or FM (watch for the many Es openings)
10M - This band can really jump	Join 10-10 international and KEEP THE BAND OPEN!
75 Meter Roundtables	Sometime called the groan and moan nets! Check in on the 3755 Ontario Phone Net
160M	The Gentleman's Band
AM - Operate this "old time" mode	Join one of the AM nets on 80 or 40m
AMSAT - Join and work outer space	Operate one of the amateur satellites like AO-51
APRS - find yourself	And let others know where you are! http://aprs.fi/
ARES	Be more active in your local ARES group.
ARES - Help your local group	Find your local ARES group and start having fun with them. Also strongly consider passing the various courses required to be a valuable asset and officially participate.
ARES nets	Check into ARES nets in your surrounding area
Aeronautical Mobile	Work from an airborne station
ALE – Automatic Link Establishment	Global HF network. http://hfink.com/
Antenna Party – you need a good one to work them	Friends don't let friends build and install HF antennas by themselves!
Antennas - Build'em and use'em	Wire antennas, Yagis, quads, hex beams, - then talk about'em
Astronomy - Radio version	Is E.T. at home. Surf the space waves.
Audio - make it better	Heil, Berringer, audio filters, all things audio. Make your AM signal sound like a broadcasting station.
Badge - tell everyone your callsign and club you belong to	Lots of places make these, some are really fancy
Balloon-atics – launch them, track them	Hams who put expensive equipment (transmitters, APRS, cameras etc.) in balloons and watch them fly away!
Bicycle Mobile	Talk while riding - look ma - no hands; look ma – no teeth!
Boat-anchors	Collect, fix and operate old radios (old broadcast receivers too)
Books - read one - write one	Hundreds of books - new – old - used – collectable. Write a ham radio adventure story to attract the kids to our hobby.
CW - Learn it! Use it!	You only know half the fun of ham radio without CW
CW - get your speed up to 20 wpm	The Farnsworth method works. Use one of the computer CW training programs like the Koch Trainer from G4FON.
CW club	Join a CW club such as FISTS. http://www.fists.org/
CISA	Canadian Islands Award program. http://www.qsl.net/ve3tpz/cisa/
Class - as in Ham Radio	Teach a ham class and help others enjoy the fun
Club – join/renew membership	Join a ham club, or join two!
Club – local	Attend club meetings, help run club functions
Club apparel – caps, shirts, jackets	Show your support for your club, advertise ham radio
Computer	Get a “new” computer for your shack, or upgrade your old one. Windows XP is needed as a minimum these days.
Computer Control	Computer control one or more rigs in your shack – Ham Radio Deluxe

Contesting	Make a lot of contacts and work on your operating skills too. http://www.hornucopia.com/contestcal/weeklycont.php
CANWARN	Canadian Weather Amateur Radio Network – attend the free training and help Environment Canada warn Canadians in time.
Contesting with CW	Try one of the CW-only contests – they’re fun
County Hunting	Work 500, 1000 or all of them
County Hunting	Operate from some of the rare ones so others can hunt you
Crystal Radio - build one	Show others (maybe kids) how simple a radio can be
Call Sign plate for your car	Show your ham call on your mobile, less than \$35 in Ontario
DSTAR	Get on the digital bandwagon! It's everywhere!
DSTAR via laptop – Dongle world!	Use a laptop to access the Dstar network while you're traveling or anytime.
DX - Work other countries	DX The Ultimate Contact Sport - this can be tough if you already have 337 countries!
DXpedition	Be at the other end of the station pile-up! Operate from some rare country or Island.
Dayton Hamvention	Attend this once in your lifetime. Bet you can't just go once"!
Digital modes	Work one or many of the various digital modes using free software. There are so many to try!
Echolink - computers and ham radio	Work repeaters/other hams via your computer
EmComm- go-kit	Have a “grab-and-go” station ready to go
EmComm-ANTENNA	You never know when you'll need to go PORTABLE so build a portable antenna. J-pole from ladder line is a good one.
EmComm courses	Consider taking some courses, you can learn a lot.
Electronics	Brush up on your understanding of how circuit components work
Field Day	Operate this fun event with your friends
Field Day	Try alternative power – solar or wind or ?
Fox Hunting	Get outdoors in the fresh air – find the hidden transmitter
Friends	Lots of opportunity to meet interesting people and make new friends
GORC	The Great Outdoors Radio Club – enjoy ham radio in the great outdoors. http://www.wa3wsj.org/GORC.html
Grounding	Build a good station ground, find a water pipe, install a ground rod, lay some radials
Hamfest	Attend a hamfest - sell that old junk, buy more!
Handi- HAMS	Help a challenged person get their license
HF – get on it	Don’t just listen! If everyone just listens then the band is “dead”. Funny how some HF bands are only open when there is a contest.
IOTA	Islands on the Air - every group of islands has an ID number - work'em all! http://www.rsgbiota.org/
IOTA	Vacation on an island with an IOTA number – be the one worked
IRLP	Link your local repeater to another part of the world
JOTA	Scout Jamboree on the air. Show off ham radio to young boys and girls, and the Scout leaders.
Keys - Collect them	What a great way to enjoy ham radio - telegraph keys
Kit - Build some	At least an \$8 crystal oscillator or a QRP transceiver
Kites – go fly one!	Use it to support one end of your antenna. Balloons will work too
Learn to read	Schematic circuit diagrams that is! Learn to understand what the diagram is showing you.
Linear Amps	Don’t need em, but if YOU do – build one!
Linux - another computer world	Download a Linux operating system like Ubuntu and start playing with all the FREE software out there. Lots of stuff for hams too!

Lighthouses	Work someone operating at a lighthouse, lightship or navigational beacon - or travel to one and work others: http://wlol.arlhs.com/
Logging Software	Get one or more. I like N3FJP. N1MM logger and GenLog contest logger are FREE
Magazines - subscribe	Read, collect, give'em away – get on CDs; keep as reference
Marine Mobile	Work from a Marine station, boating, waterways nets
Meteor Scatter	World's shortest and longest QSOs at the same time
Mobile - radio in motion	Set up a mobile station - VHF or HF
Moonbounce	“EME” might be a bit ambitious for many
Motorcycle Mobile	Shoot the bull while ridin' the HOG!
Nets	Check in before you check out!!
Oscilloscope - Learn to use	Oscilloscopes are a blast. Watch that green trace go!
PSK-31 - Digital mode for all!	An easy digital mode, lots of free software, buy or build an interface. http://www.tigertronics.com/slusbmain.htm
Pedestrian mobile	Put your HF rig and antenna on your back! Make QSO's while you walk (no boat-anchors though). http://hfpack.com/
Parks – demonstrate ham radio	Get some friends together and set up in a city park for fun
POTA	Parks on the Air – activate a Provincial, State or Federal park on your next vacation. http://www.hamparks.org/
Public service activities	Work a public service event (I believe every ham should work at least one each year!)
Propagation of radio waves	Learn about it!
QRP - Try it!	Start trying QRP by turning down power to 5 w (10w SSB)
QRP – build it!	Build a QRP rig, many kits available. http://www.qrpkits.com/ or http://www.smallwonderlabs.com/ or http://www.qrpme.com/
QRP – join a club	Many QRP clubs like: NAQCC (North America QRP CW Club) or QRP/ARCI (QRP Amateur Radio Club International) or Flying Pigs QRP Club
QRP - Contesting	Lots of contests: http://www.amqrp.org/contesting/contesting.html
QRPP – even lower power	Keep your power under 1W, a few milliwatts can go a long way.
QSL cards	Collect'em, get some printed or make your own, mail out some.
QSL cards – electronic version	Try eQSL and LotW (Logbook of the World), cheaper than mail
RTTY	An ancient form of digital communications
Radio Control Planes	Fly away to your heart's content
RAC – Radio Amateurs of Canada	Join today! Your hobbies' official national voice.
Ragchew	Be much more active on a repeater; regularly check in to nets.
Remote Control your station	Operate your station over the internet from somewhere else. Or let a friend operate your HF station from a nursing home etc.
Repair Radio Equipment	Help out other hams, fix their radios and yours too
Repeaters	Build'em, use'em, fix'em, control'em
Restore old radios	This is very gratifying. Tubes still work!
UHF/SHF	Work a contact on CW, SSB or digital above 450 MHz
SSTV	Operate Slow Scan TV. Check out 14230 on 20m.
Satellite-Antennas	Build a couple of antennas and put radio gear together so you can work one of the many ham satellites (FM, SSB or data).
Scanning	OK, it's only listening but hams do it so it must be fun!
Schools - do a demo	Go to your kid's school and tell'em all about this stuff
Scouting or Guides (and ham radio)	Go hand in hand
SOTA	Summits on the Air – climb a mountain and take along your ham gear (QRP works here): http://www.sota.org.uk/
Shack – build or improve	Make your ham shack more comfortable

Short Wave Radio	Listen to SW Radio from your favorite country. Maybe follow New Years around the globe for 24 hours?
Simulated Emergency Test	Take part in the annual S.E.T.
Software - Ham Radio	There are thousands of programs out there for Windows and Linux and they are fun to play with.
Software - program a chip	Try your hand at programming a PIC chip.
SDR – Software Defined Radio	Build or buy something cutting edge in ham radio.
Space Station	Talk to the ISS - chat up an astronaut
Speak at a club meeting	Share your experiences with others
Television - FSTV	Fast Scan TV - on UHF - set up your station and show off!
Test Equipment	Make a list and buy or make yours. Lots of kits available.
Traffic NETS	Try handling messages via SSB (75M) or CW(80M)
Upgrade your ham radio qualification	If you only have Basic, upgrade to Basic +; if you have Basic + then upgrade to Advanced.
VUCC - Award	Get this award for working 100 grid squares on 6M and above
Volunteer to be an Industry Canada Accredited Examiner	Help grow the hobby by qualifying more hams!
Website - amateur radio	Set up your own webpage and tell everyone what you do
Winlink2000	Email over amateur radio http://www.winlink.org/
Workbench - Set yours up	A place to do all that "fiddling around", kit construction and a place for your test equipment
Worked All States - W.A.S.	Obtain this and other awards
Worked all Provinces	And many other Canadian awards: http://www.rac.ca/en/rac/services/awards/cdn-awards.php
Write - articles about ham radio	Submit them to TCA – “The Canadian Amateur” magazine
WSPR (Whisper)	Communicate below the HF noise floor
YLs - Young Ladies in ham radio	Promote YL activity, recruit YLs, encourage YLs.
Youth - be one - help one	Help your neighbor or his kid become a ham. Loan him/her a radio to listen and learn
Try to think of something I missed	And do it! Ham Radio can be exciting and fun

Original list by Steven Donellan N5SMD
Updated, expanded and modified for Canada by Al Duncan VE3RRD

