



REFLECTOR

PO BOX 8895
HALIFAX NS
B3K 5M5

February 2013, Volume 74 Number 2

club web site is www.halifax-arc.org



Happy Valentines Day



HARC Club Station phone number - 490-6421

Executive

President - Scott Wood, VE1QD, 823-2761 ve1qd@rac.ca
 First V.P. - Bill Elliott, VE1MR 865-8567 bowser.elliott@ns.sympatico.ca
 2nd V.P. - Doug LeBlanc, VE1LDL 465-4665 leblanc@accesscable.net
 Secretary - Jeremy Fowler, VE1JHF VE1JHF@Gmail.com
 Treasurer - John Goddwin, VE1CDD 865-5731 VE1CDD@eastlink.ca
 Co-Treasurer - Jim Guilford, VE1JG 466-2124 jimguilford@gmail.com
 Director-at-Large: - Ian Pierce VE1IGP igpearce@hotmail.com
 Club Station Mgr. - Jim Flowers, VE1JIM 443-8657 ve1jim@ns.sympatico.ca
 Past President - Fraser MacDougal, VE1WO 865-4198 fmac@ns.sympatico.ca

Committees/Offices/Prime Contacts

Government liaison - VACANT
 QSL Bureau Mgr - Tom Caithness, VE1GTC 477-7081 tom.caithness@ns.sympatico.ca
 EMO Coordinator - Dave George, VE1AJP 466-8723 dgeorge@dal.ca
 EMO Trailer coordinator - David Musgrave, VE1EDA 435-4333 ve1eda@rac.ca
 Reflector editor - Lynn Bowser, VE1ENT 865-8567 bowser.elliott@ns.sympatico.ca
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 Membership - Carol Wood, VE1HAZ carolwood@accesswave.ca
 Web page - Brandon, Detmers VA1BSD brandon.detmers@dal.ca
 Basic ham course - Erik Hein, VE1JEH 826-7145 bravojeh@gmail.com
 2012 Flea market Chair - Murray MacDonald, VE1BB
 Callbook Editor - Howard Dickson, VE1DHD, 823-2024 dhdickson@eastlink.ca
 Field Day coordinator - VACANT
 Safety Officer - Terry Bigelow, VE1TRB ve1trb@eastlink.ca
 NSARA Director - Barry Diggins, VE1TRI 861-3719 ve1tri@rac.ca
 Honorary Legal Counsel - Paul Radford, VE1ARH

Non Club Contacts

RAC Atlantic Director - Everett Price, VO1DK vo1dk@rac.ca
 RAC Section Manager - Craig Seaboyer, VE1DSS cseaboye@stfx.ca
 RAC Assistant Director for HRM Scott Wood, VE1QD, 823-2761 ve1qd@rac.ca

The February, 2013 **General Meeting** of the Halifax Amateur Radio Club will be held in the Senior's Room on the 1st floor of the St. Andrew's Centre, 3380 Barnstead Lane, Halifax.

Social Hour begins at 6:30 p.m. As usual, refreshments will be available.

Our February program will be provided by Dave George, VE1AJP - always sure to entertain - who will introduce us to the Maker Movement.

Guests are welcome

Notice of Motion

The executive is recommending the club purchase a vertical antenna for portable use. After looking at what was available and considering price, reviews of users and ease of transport and use, the Zero Five 80M to 6M was chosen. As there was not the required quorum to vote on this item at the January meeting the following motion will be presented at the February meeting.

That the club approve up to \$500 to purchase a Zero Five 80M to 6M vertical antenna.

Take-15 Net Controllers

This will be the rotation. We need at least 2 more. **If you want to join**, let Bill Elliott, VE1MR, know.



Feb. 17	Doug	VE1LDL
Feb. 24	Bruce	VE1MLW
March 3	Emil	VE1ESP
March 10	Peter	VE1PJW
March 17	Win	VE1WIN
March 24	Erik	VE1JEH

Deadline for submissions to the March Reflector is Saturday, March 9, 2013

A Different Opportunity ... Gordon Heffler, VE1GFH, the broadcast technician from Seaside FM, has asked if any of the HARC members would be interested in subbing for him when he's on vacation. Interested? More information on page 5.

GENERAL INFORMATION



Sunday evenings:
TAKE-15 NET at 8:30 PM

CLUB REPEATERS:
 VE1PSR - 147.270 MHz + TX=82.5
 VE1PSR/UHF - 444.350 MHz +
 VE1PSR/6M - 53.550 MHz -
 access tone 151.4 Hz
 VE1HNS - 146.940 MHz - TX=82.5
 PACKET: VE1NSD 145.050 MHz
 LAN NODE

Events for Your Calendar

February 16 – Guides on the Air

February 23 – Ham Radio Brunch

The NSARA Contest takes place each year on the second Sunday in March. See page 5 for revised rules.

The program for the HARC's March general meeting will be a talk by Craig, VE1JMA, on Disabled amateurs

May 26, MS Walk

June 1 – Downeast Flea Market will be held at the St. Andrew's Centre.

June 22 – 23, fourth full weekend - Field Day 2013

July – Museum Ships Special Event

July 27/28 IOTA (Islands on the Air)

July 27/28 – MS Bike Tour

Contact Rick Gardner, VE1RGG, to help with communications

July 17 & August 21 – Pizza Nights

August – NSARA Picnic

August – International Lighthouse & Lightship Weekend

For more information see

<http://www.lighthouse.fsnet.co.uk/events/intlighthouseday.html>

Guides on the Air (GOTA) - February, 2013. Contact Helen Archibald, VA1YL, for information about this event. Helen is the CLARA (Canadian Ladies Amateur Radio Association) GOTA coordinator for all of Canada.

Basic Radio Licensing Course

If you know of anyone who is interested in getting an amateur radio license, please have them get in touch with Erik, VE1JEH

By phone at 826-7145 or by e-mail bravojeh@gmail.com

Middle age is when broadness of the mind and narrowness of the waist change places.

HAM RADIO BRUNCH ON SATURDAY, 23 FEBRUARY

HARC Members

Our Annual Ham Radio Brunch will take place on Saturday, 23 February 2013 beginning at 10:00 am. It will be held at the Steak and Stein Restaurant at 6061 Young Street in Halifax.

You will be able to select your meal from their regular menu which provides a very extensive range of choices. Members will be billed individually.

The Manager, John Scott, will seat us in the section of the restaurant to the left as one enters the premises. I call it their mezzanine because it is up a short set of stairs and gives us exclusive space for our event.

John Scott and the Steak and Stein have been wonderful supporters of HARC and for many years have advertised in our Callbook. Thus it is a pleasure to return there for the 2013 Ham Radio Brunch. Moreover, John, will provide us with a \$25 gift certificate as a door prize, so there will be a **free meal** for some one!

Please put this event on your calendar and let either me or Doug LeBlanc know that you are planning on attending. While the restaurant can accommodate any number HARC guests, as a courtesy I would like to give them an estimate a day or two in advance. I look forward to seeing on Saturday, 23 February.

73, Scott, VE1QD

RSVP to K. Scott Wood, VE1QD at ve1qd@rac.ca or 823-2761, or to Doug, VE1LDL at leblanc@accesscable.net

*Silent Key*

Clive F. Bagley, VE1AMZ, died Jan.29, 2013. Many of us will remember Clive from his work at MT&T, his involvement in ham radio, canoeing in Keji Park, target shooting, boxing ...

On-line condolences can be made at: www.rawalker.ca

Keep our Club Station Shipshape
PLEASE!

We have a grand Club Station and I'm sure that everyone knows to clean up after yourself but also, PLEASE, any time you are the last person leaving the Club Station make sure that

- 1/ all windows are closed
- 2/ the air conditioners are off
- 3/ all radio equipment is turned off
- 4/ the lights are off
- 5/ the door is locked

Silent Key

Muir S. Smith, VE1ATA, died February 8, 2013 in Halifax. Cremation has taken place and a family service will be held in April.

On-line condolences may be e-mailed to:

Byberry9@hotmail.com

The NSARA has the ability to program many of the commercial radios found on e-bay or from local sources. For NSARA members programming is a nominal \$10.00 per radio; non Member fee is \$20.00. All monies go towards Amateur Radio Projects. Contact Tom Cohoon, VE1TA, President of the NSARA, E-mail ve1ta@rac.ca

Why is it that whenever you attempt to catch something that's falling off the table you always manage to knock something else over?

PRESIDENTS MESSAGE February 2013

Greetings from my snowy bunker on St. Margaret's Bay! The good side of being snowed on this second weekend in February is the added opportunity to cruise the bands and pick up some interesting DX contacts and rag chew with radio friends, such as Martti Laine, OH2BH. He sends greetings to the Club.

January was a busy month, but a number of things were accomplished. There is a surprising array of administrative details involved in passing the gavel to a new President, but everything is now in place! Our biggest leap forward, however, is the excellent and efficient job Howard, VE1DHD, has done in bringing our website up-to-date and making some important improvements. For example, we now have a ticker-tape message near the top of our home page that can announce upcoming events, OR when there is a disruptive winter storm, to indicate a last minute cancellation of our meeting. Very warm thanks to Howard who led this effort with help from Brandon, VE1BSD, and Frank, VE1FIS. Elsewhere in this issue of the *Reflector*, you can read more about the new way we are operating the website and the key role Howard is playing.

While I am handing out kudos, let me direct some to the outstanding work performed by Lynn, VE1ENT and Bill (her assistant!) VE1MR, in publishing the *Reflector*. We may have become so accustomed to receiving our excellently edited and produced newsletter that we take it for granted. However, there is a great deal of work involved, including dealing with people who do not meet the submission deadline (sorry Lynn!) Our two most important public faces to the world – the *Reflector* and the website – do us proud! Thanks!

Be sure to put on your calendar the up-coming Ham Radio Brunch on Saturday, 23 February. Full information is provided elsewhere in this issue. Also note the excellent programs that are coming up for our monthly meetings. This month, Dave George, VE1AJP – always sure to entertain – will introduce us to the Maker Movement, Arduino Boards and Raspberry Pi! In March, Craig MacKinnon, VE1JMA, will talk about *Being a Radio Amateur with a Disability: Challenges and Opportunities*. For the April meeting, we are reaching outside Halifax to bring in Roger Sturtevant, VE1SKY, from Bridgetown to talk about *Adventures on VHF: Working Weak Signals with Rare Propagation*. More upcoming programs will be announced in the next *Reflector*.

I look forward to seeing you all at the meeting on Wednesday, 20 February.

K. Scott Wood, VE1QD

Past Presidents Message
February 2013

There are still Three Key Positions that require Project Managers for 2013. If we do not get Volunteers to fill these positions, these activities may not take place and this will seriously affect the Club.

The Positions are:

Field Day Manager
Basic Course Co-ordinator for September
HF Remote Station Project Manager

If you have an interest in these Positions, please contact any of the Club Executive.

Fraser Mac Dougall, VE1WO

1st Vice President's Report

Nothing to report

Bill, VE1MR

2013 Membership Incentive

Jim Guilford, VE1JG, the winner of the major door prize at this year's Flea Market, has graciously donated the Duel Band Alinco Handheld radio back to the Club as he has no present use for it. He asked the Executive to decide what the most appropriate use of this radio would be.

The Executive has decided that we would use this gift as an incentive for Membership for 2013. Any person who takes out a new membership or renews their existing membership prior to the end of March 2013 will be eligible for the draw which will take place prior to the April Monthly Meeting. The winner will be announced at that time.

Station Manager's Report

Nothing to report

Jim, VE1JIM

Secretary's Report

"Nothing to report."

Jeremy, VE1JHF

I went to buy some camouflage trousers the other day but I couldn't find any.

From the Southgate ARC News
January, 2013

Amateur Radio on the International Space Station (ARISS) school contacts from Eastern Canada

The ARISS School contacts from Eastern Canada have been going well with only the Stonepark Intermediate School in Charlottetown, P.E.I. left to be completed.

Arrangements have been coming along with the week of March 4th being our goal, the final date will be the decision of NASA and Canadian Astronaut Chris Hadfield VA3OOG aboard ISS.

Amateur Radio operators from Charlottetown, The Summerside A.R.C. and The Halifax A.R.C.

will be providing equipment and operators and Liberian/Teacher Sue Geddes will be coordinating the students and activities at Stonepark School. The call sign to be used during the Stonepark Intermediate School contact from Charlottetown, Prince Edward Island will be VY2PEI.

In January 2013 the three schools from Eastern Canada had successful contacts with the ISS: St. John's, Newfoundland/Labrador (VO1) next Bedford, Nova Scotia (VE1) and St. John, New Brunswick (VE9).

The following is a video taken during the St. John, N.B. ARISS contact from Saint Rose School:

<http://www.bellaliant.net/communityone/video/?channelId=8fe0b91ef55b4d0bb8ae8a03426da0a4&channelListId=351dc36595c54d30b91253fe6ae13836&mediaId=bc62fa87c50a4f6187a99699a50b0697#tab-lifestyle-misc>

Click on "Lifestyle", and within Lifestyle select "Misc." to the right and then "Students talk to Space Station".

Ken McCormick VY2RU

This is the link to the CBC video of the Bedford NS Charles P Allen High School, VE1CPA contact

<http://www.cbc.ca/player/News/ID/2323450116/>

Added by Bill Elliott, VE1MR



Canadian astronaut Chris Hadfield,
VA3OOG

Chris Hadfield on the Space Station

See video at

<http://www.cbc.ca/player/News/ID/2323450116/>

See Chris's photos at

<http://news.nationalpost.com/2013/01/02/col-chris-hadfields-photos-of-canada-from-the-space-station/>

Do you have pictures, an interesting or funny radio-related story, an article or a question you would like to share via the HARC Reflector? Please send it/them to Lynn, at ve1ent@rac.ca Please show "For Reflector" in the "Subject" box so I don't miss it. -ed

Nothing sucks more than that moment during an argument when you realize you're wrong.

With the severe winter in Northern Europe, OHs are heading South as is their lifestyle of four deep seasons.

Cruising in as many as nine countries in the Caribbean, they will end up meeting hams in many of their stopovers such as 6Y, P4, PJ4, YV7, J49, FM, V2 and HI.

They will be active on board their 450ft cruise ship m/s Kristina Katarina. Typically you will find them on 14.267 kHz. They will also be on CW at sea.

<http://www.kristinacruises.com/en/cruises/ms-kristina-katarina>

OJ0H/MM CREW: Hilka/OH1DV (YL), Markku/OH1MV, Pekka/OH1TV, Rami/OH2BCI, Leena/OH2BE (YL), Martti/OH2BH, Osmo/OH2KH, Heikki/OH4NS, Seppo/OH6TJ and Osmo/OH8KN.

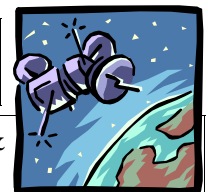
Following a Caribbean stint that ends Feb.9 in Santo Domingo, Dominican Republic, the party will continue to Azores Islands with an additional Finnish and Estonian assemblage titled "The Atlantic and I" with participation in the ARRL CW and SSB Contests from their Atlantic outpost at CR2X and CQ8X.

QSL OJ0H/MM and CR2X & CQ8X via OH2BH.

Source – the Southgate ARC News January, 2013

Safety – the Booster Bag Scam Criminals can be so creative. See the video at:
<http://biggeekdad.com/2012/10/the-booster-bag-scam/>

ARISS is an international educational outreach program with US participation from ARRL, NASA & AMSAT. <http://www.rac.ca/ariss>



SEASIDE FM SEEKS
TECHNICAL SUPPORT PERSON

SEASIDE FM on 105.9 MHz in Eastern Passage is a community radio station serving the greater Metro area with an Adult Easy Listening Music format. It is supported by advertising, and fund raising campaigns and events. The station's on-air presenters are volunteers, sales personnel are on commission and technical staff receives hourly wages.

Technical support for the transmitter and its audio chain, from the station to the cell tower in Eastern Passage, has been provided over the last ten years by Gordon Heffler, VE1GFH, and Mike Shacklock, VE1AR. Mike is moving to Ontario in April, therefore, the station is seeking to hire a Radio Technician who can serve as an assistant and backup for Gordon, the Chief Engineer. Because of the technical and communications expertise of hams, Seaside FM particularly invites interested hams to submit an application for this part-time position.

Technical support for the station needs to be available at all times and will be attended to first by Gordon as Chief Engineer. If he is for any reason unavailable then the Radio Technician will be called upon. Each year when Gordon is on vacation for three weeks, the Radio Technician will be expected to take care of the technical support requirements of the station.

The rate of pay will be \$30/hour. Travel costs from home to Eastern Passage will be covered at \$.50/km. Of course, the Radio Technician will be trained in all aspects of the stations technical operations by the Chief Engineer. While the position will not generate a lot of income – around \$1600/year – it will provide an opportunity to work with interesting technology and people in support of a vibrant community radio station – and at the same time receive a little something towards, perhaps, a vacation!

Anyone who has a very flexible work schedule or is retired, and holds an Amateur Radio Certificate will be very well suited for this position. Please contact me at gheffler@gmail.com

or by phone 457-7171 (home) or 483-7369 (cell) if you are interested and wish to be considered. I will arrange a facility tour, introduce you to those involved with Seaside FM and provide you more detailed information, and answer any questions.

Is this the next step in your career as an amateur radio hobbyist?

Gordon Heffler, VE1GFH
Broadcast Engineer/Consultant

The NSARA Contest

Date: The contest will take place each year on the second Sunday in March.

For 2013 – the date will be March 10, 2013.

Hours: The contest will run for EIGHT hours – two four hour sessions.

Morning Session: 08:00 AM EST – 12:00 PM EST

Afternoon Session: 02:00 PM EST – 06:00 PM EST

Operating Band: All contacts for contest credit will take place on the 80 Meter band within the allocation(s) guidelines of the Radio Amateurs of Canada 80M Band Plan. A PDF of the HF Band Plans can be found at:

<https://www.rac.ca/en/rac/services/bandplans/hf/hfplan-20080711.pdf>

- Phone contacts must occur in the PHONE allocation of the 80M band.
- CW contacts must occur in the CW portion of the 80M Band.
- Digital contacts must occur in the DIGITAL allocation of the 80M band.

Exchange:

Nova Scotia Stations will exchange: Call Sign, Signal Report, and County.

Non Nova Scotia stations will exchange: Call Sign, Signal report, and a contact number.

Nova Scotia Stations operating portable or mobile must make it clear they are portable or mobile. See Bonus Points

QSO Points:

Score one point per completed PHONE contact.

Score one point per completed CW contact.

Score one point per completed DIGITAL contact.

The same station can be logged on each mode (e.g. PHONE, CW, DIGITAL (PSK31, SSTV, RTTY etc.)) within the Band Plan Guidelines.

Multipliers:

The 18 counties of Nova Scotia will count as multipliers.

Any Amateur from anywhere can take part but only Nova Scotia Counties will count as multipliers.

Each multiplier may be counted once on each mode.

Bonus Points: - Added to score after QSO Points X Multipliers

ALL stations: A bonus of 10 points will be awarded for each "ROVER" or "FIELD DAY" type station worked.

The BONUS is awarded for each mode worked with each ROVER or FIELD DAY station.

ROVER or Portable stations: 100 BONUS points awarded for each county worked from.

(Continued on page 7)

Evening news is where they begin with 'Good evening', and then proceed to tell you why it isn't.

Halifax Amateur Radio Club

General Meeting Minutes

January 16, 2013

Meeting called to order by President Scott Wood (QD)

Quorum not present.

Silent Keys reported – VE1BGV, Margaret Moran of Fredericton

Approval of Agenda as posted – so approved

Members present - QD, CDD, GPY, DHD, JEH, MLW, JHF, OZ1HE, WO, AJP, IGP, AR, GFH, AOT, AI, EGG

Approval of minutes - Fraser (WO), Seconded by ?

Treasurer's report given by John (CDD) – and moved to accept
Seconded by Bruce (MLW)

2nd vote on antenna purchase deferred, brief discussion on the antenna purchase

Executive reports

Station Manager - Jim (JIM) reported about successful completion of cable install in the club, and a report on purchasing a new printer.

Committee reports:

Nominations – Fraser (WO) reported that Doug (LDL) has taken on the position of 2nd Vice President, with assistance from Scott (QD). Doug was sick this evening. Ian Pierce (IGP) has accepted the position of Member at Large. Fraser advised that he will remain active for the year to talk to club members about non executive positions that come up, e.g: Flea Market etc.

Membership – Carol was absent this evening, so no report was given.

EMO / SAR: Dave (AJP) gave a report on a recent SAR search for a missing woman.

He then gave a report and a slide-show about the recent fire at the GSAR garage that caused the complete destruction of the Suburban,

and extensive damage to the garage and other search vehicles, and the subsequent problems it caused with repair and insurance costs.

Basic Course – Eric (JEH) reported that there are still 2 to finish writing their exams, and that he currently has 10 people interested in next year's course, from the website. He asked that the website be updated as soon as possible.

Item 6 - deferred until next meeting

Gordon (GFH), the broadcast technician, from Seaside FM, asked the club members if anyone was interested in subbing for him when he's on vacation, and gave some details of the position, and asked that it be mentioned in the Reflector.

Old Business

Scott advised that the Flea Market Chair has been identified, and it is Murray MacDonald (MMD). We are starting to explore the possibility about promoting the idea about an amalgamated flea market. There was some discussion about moving the venue of the HARC flea market from the Forum due to increased rental costs.

Discussion about the Remote station setup was deferred.

The issue was raised about the sale of the Bloomfield Centre, and the fact that we will have to find a new storage space for the club equipment that is currently there.

There was a note about interest in the Tube Bank being taken over from Tom, by Tony VE1ZA.

New Business:

Scott advised that we will publish a list of the upcoming entertainment for the year, in the Reflector, and gave a brief overview of the February talk by Dave (AJP) on the Maker movement, the March talk by Craig (JMA) on Disabled amateurs etc.

There was a discussion by Scott on the RAC Affiliated Club Challenge, and the clubs participation therein, as well as some suggestions to RAC for furthering the Challenge in terms of other clubs.

Scott advised that the Club has been invited to participate in the Shearwater Spring Hobby show, in April.

Comment by Fraser that we need a project manager for the Hobby Show, and the possible change of our table location at the show.

Scott mentioned that there is some interest from Mic Mac Mall in setting up a weekend station demonstration in the mall.

Scott thanked Sheldon for his hard work in setting up and running this evening's entertainment, the overview of The RAC organization via Skype, from the

50/50 and door prize draw –
Door prize - Dick (AI)
50/50 – ?

Motion for adjournment – adjourned

Respectfully submitted
Jeremy Fowler, VE1JHF
H.A.R.C. Secretary

Safety Gasoline Must watch - do not use this gas if ...!!

Especially pertinent if you travel in the U.S. where alcohol-diluted gas is available in most gas stations -ed

Watch this video from Fox Business...if your CAR IS OLDER THAN 2012 you need to AVOID THE NEW E15 GAS that is just starting to show up at gas stations. Most car companies will not honor the warranty on your car if you use this new gas.

<http://video.foxbusiness.com/v/2000862202001/>

Sign on an Electrician's truck

Let us remove your shorts

The NSARA Contest (Continued from page 5)

Scoring Example:

Phone QSOs = 61

Multipliers = 15

Total = 915

Bonus Points = 250 (5 Portable or Rover stations worked, plus you gave mobile contacts from 2 counties)

Final Score = 1165

Categories (MODE):

The following 4 categories are eligible for certificates as detailed in the Awards section of the rules.

- PHONE
- CW
- DIGITAL (All digital modes excluding CW)
- MIXED MODE

Category notes:

1. Single Operator or Multi operator permitted.

2. Single Transmitter operation ONLY – with no restrictions on the number of operators.

3. Field Day or Rover type of portable operations to rare counties is encouraged, especially if BASIC operators are involved. See Bonus Points

4. The contents of a log that is submitted for a specific Category must reflect that Category. In the event of a conflict between the actual content of the log and the stated Category in other elements of the entry material, the actual contents of the log will be used to determine the Category of entry where possible. In the event this cannot be determined or in the event where a log does not identify the entry Category, the entry will be classified into the most advantageous Category.

5. An entrant who enters a specific Category (i.e. PHONE) but who also worked additional contacts outside that Category should try to mark (or highlight) the contacts they wish counted for their entry.

6. Each new multiplier in a Category must be clearly marked in the log.

7. Multipliers in a specific category entry will be counted for score only in that category.

Logging:

A separate log sheet should be kept for each MODE (Category) of transmission by Call Sign.

The log must clearly indicate the MODE used for the contest contact.

The log must show:

- Station worked
- Time of contact (UTC or local)
- Mode
- Signal Report
- County, if the contact is with a NS station. OR a contact number for NON NS stations
- Claimed bonus points

Submit Logs: Contest Entrants will have one month (30 days) to submit logs after the contest ends.

Entries can be

- 1 by paper log mailed in.
- 2 by E-Mail in plain text
- 3 electronically as an image or attachment on an E-Mail

Files must be submitted in plain ASCII/Text format or a generic spread sheet.

AWARDS:

Certificates: Anyone who makes 25 or more contacts (any mode) in the contest (regardless of the score), and submits a log, will receive a 'Participation Certificate'. Stations making contacts with all 18 Nova Scotia counties (all modes) will have "Clean sweep" indicated on their certificates and they will also qualify for the NSARA WORKED ALL NOVA SCOTIA COUNTIES AWARD (WANSC) without QSL card submission.

Winners:

Winners (1st Place) will be recognized separately for Phone, CW, Digital and Mixed Mode. The winner will receive a certificate (suitable for framing) as well as having their photo on the NSARA web page and in TCA and local media if desired.

Nova Scotia County list for use in the NSARA Contest:

ANNAPOLIS
ANTIGONISH
CAPE BRETON
COLCHESTER
CUMBERLAND
DIGBY
GUYSBOROUGH
HALIFAX
HANTS
INVERNESS
KINGS
LUNENBURG
PICTOU
QUEENS
RICHMOND
SHELBURNE
VICTORIA
YARMOUTH

The list can be used to check off the counties as you work them. Some counties have a large number of Amateurs, while others have only one or two active Hams.

Contest Committee: The contest committee, comprised of NSARA Directors, will make the final decision in all matters regarding the contest. The contest committee encourages Clubs or other groups of Hams to do a Field Day type of operation during the contest.

There are no contest restrictions on who can operate using one Call Sign, so a MULTI SINGLE type of operation is encouraged, especially if BASIC level Hams are involved. This contest experience may encourage them to pass the CW license requirements as well as experimenting with some of the new modes such as PSK31 or SSTV.

Send Logs to:
NSARA Contest Coordinator
Peter J. Surette
55 Edgewood Drive
Truro, NS B2N 1P1

Or e-mail them to: ve1pjs@rac.ca
Or to ve1pjs@ns.symptatico.ca

From the Mail Bag



From George, VE1CAW

Ham Nation 81: This episode includes Ham Radio gear at CES 2013, history of single sideband, phasing with 2 mics, and more:

http://www.youtube.com/embed/xSF0WBdK1IQ?feature=player_embedded

<http://www.ve1bc.com/files/Manuscript%20VE1FO.pdf>

The latest copy of my history of HARC is on my web site at the above URL. This has the last field day, a note on the loss of HMS BOUNTY, etc. Please take a minute to look it over and let me know anything that is missing, etc. There are now 369 pages. It is not possible to email it to anyone but if one wants a copy I can forward a CD.

Spud VE1BC

From John, VE1WZ

The Space Station

This link will take you to the Space Station and a "personal tour" by Sunita Williams. She explains how all aspects of human needs are handled. It lasts about 25 minutes, but is well worth it. Be sure to watch it full screen

<http://www.wimp.com/orbitaltour/>



Sign on a repair shop door:

WE CAN REPAIR ANYTHING. (PLEASE KNOCK HARD ON THE DOOR - THE BELL DOESN'T WORK)

Do you have a mobile or portable radio that is D-Star capable? The Lunenburg Co. D-Star repeater has been in operation since February 18, 2012 at a tower site located at Church Lake, NS, not far from Bridgewater. If you're in the area give it a try!
Frequency is 145.290 (-.600).
Callsign is VE1DSR.

Exaggerations. I Owe My Mother

My mother taught me about the **CIRCLE OF LIFE**.
"I brought you into this world, and I can take you out.."
My mother taught me about **BEHAVIOR MODIFICATION**.
"Stop acting like your father!"
My mother taught me about **ANTICIPATION**.
"Just wait until we get home."
My mother taught me about **RECEIVING**.
"You are going to get it when you get home!"

It's difficult to believe in climate change when digging out from a 40 cm February snow fall but in the summer of 2012 a 9.3 metre fiberglass sailboat, the Belzebug II crossed the northernmost route of the Northwest Passage which connects Baffin Bay to the Arctic Ocean in Canada's far north. Historically, the M'Clure Strait the last stretch of land-bound water before the Beaufort Sea is entirely ice covered but in the late summer of 2012 it wasn't. An updated ice map was sent to them by the Canadian Ice Services (and a warning to not attempt the crossing as ice was pushing down on the Strait) Dodging ice floe, navigating through 55 km. winds and broken ice in 4 metre waves Belzebug II cleared the Strait in 48 sleepless hours.
Source: The Montreal Gazette, Sept. 1/12

We could certainly slow the aging process down if it had to work its way through Congress.
-- Will Rogers

With a current membership of Hams from all points in the Maritimes, **the Maritime Contest Club** is dedicated to the promotion and enjoyment of Radiosport. Contact ve1rgb@rac.ca or ve1op@rac.ca for more information, or to join the Contest Club's Reflector.

Borrowing HARC Materials?

One of the many benefits of HARC membership is the privilege of borrowing club assets. These can be any of the Amateur Radio related monthly publications, technical library literature or club equipment Contact Station Manager Jim Flowers, VE1JIM, for equipment loans.

For the information of those who borrow, a "LOAN RECORD" binder is available in the club Library

Before you borrow please read the instruction sheet at the front of the binder. Following that, entry of the requested information is made simple by filling in the anoted fields.

Take advantage of this valued feature of HARC membership!

NOTICE

If you are interested in getting fall arrest certification for tower climbing. please contact an executive member. No course is currently scheduled but you want to be sure to be on the list for a seat.

*'OLD' IS WHEN...
A sexy babe or hunk catches your fancy and your pacemaker opens the garage door.*

CW Training Proposal – 2013

By Gary VE1RGB

A number of folks have indicated an interest in learning CW and I am keen to provide them the opportunity. Therefore, I am going to try an experiment – and here is the outline of what I have in mind:

- 1) I will conduct the training from my station in Wellington. Mostly that is because I want easy access to my own equipment for demonstration purposes and I am not keen on regularly driving to the HARC clubhouse. I will not only provide the CW training but also teach operating procedures;
- 2) Students will be given not only the opportunity to learn CW but will also be able to take the hardest step, which is to actually key up on the air and carry out a CW exchange with another (local) station – all under carefully controlled, risk-free conditions;
- 3) I will use only the Koch method as employed by G4FON. See <http://www.g4fon.net/CW%20Trainer.htm>. Read about it! Download the program. Play with it. Sorry, but I do not intend to waste time with students who want to use some other computer-based method. Don't even ask.
- 4) Students who sign up for this training will be expected to practice at least ½ hour per night, at home, for about a month. Please do not sign up if you are not prepared to put the work into it.
- 5) Students will be expected to obtain a code practice oscillator and paddles so that they can learn to both hand-send CW as well as to copy it. I can provide guidance in selecting equipment. Something like an MFJ-422D would be perfect because it can be used for rig keying after the training is over, but there are other solutions. See <http://www.mfjenterprises.com/Product.php?productid=MFJ-422D>.
- 6) I am prepared to make myself available more-or-less 24/7. In other words, I can manage my life so as to provide either small group or one-on-one training during the day or during the evenings, except for most weekends (when I will be contesting).
- 7) Obviously students will need home access to a PC or a laptop with an audio output so as to run the G4FON training program.
- 8) Other than the hardware, there are no other costs associated with this training.
- 9) You have until the end of February 2013 to make up your mind. Training will start in March.
- 10) Questions? Call Gary VE1RGB at 860-0810 or contact VE1RGB@rac.ca or track me down at a HARC club meeting.
- 11) And finally, to repeat: don't sign up for the training unless you are prepared to put the work into it. It's not hard to learn CW but it requires regular practice.

Lots of things are worth doing in amateur radio. Few of them, however, provide the satisfaction of learning to be able to communicate around the world with a modest station (100W and simple antennas) using the language of Morse Code. And in case you think that Morse Code is a dying skill, try tuning through the amateur radio bands during a contest. The number of CW operators in the hobby is increasing, not decreasing. In one of the larger contests in 2012, there were approximately 17,000 different CW operators from around the planet. Not too shabby for an invention from the 1800s.

**Are you up to date with your
HARC membership dues?**

Yearly rates are:

Full = \$30 Associate = \$15
 Family (2 members) = \$45 + \$15
 for each additional family member
 at the same address (receive only 1
 newsletter). Use the Membership
 form on page 10 of this Reflector
 or contact Membership Chair
 Carol Wood, VE1HAZ,
carolwood@accesswave.ca

Visit http://groups.yahoo.com/group/Canadian_Amateur_Radio_Group/

Sign in a farmer's field:

THE FARMER ALLOWS
 WALKERS TO CROSS THE
 FIELD FOR FREE,
 BUT THE BULL CHARGES.

HARC has a stock of **Anderson Powerpole connectors** for sale at \$1.25 each (for a red and black connector for one complete end). To make a complete mating pair will require 2 connectors. If you have not already converted all your gear to Powerpole connectors you should consider doing so. Place orders with Tom Caithness, VE1GTC, by E-mail tom.caithness@ns.sympatico.ca

Why do Americans choose from just two people to run for president and 50 for Miss America?

Procedure for loan of Club Equipment

This is an addition to Policy 13.0 printed in Constitution.

If two or more individuals / groups request the same equipment for the same time frame (such as for a repetitive annual event) the following guidelines will be used:

- A. The equipment cannot be requested after 60 days prior to the start of an Annual or Reoccurring Event.
- B. The equipment must be returned within 15 days of the end of the event.
- C. The intent is to allow groups to have equal access to equipment, eg. If group A had the gear the previous year then group B would have precedence if requesting the same gear. If more than 2 groups request the use of the same gear then the group that has not had the gear before or in the previous 2 years would have precedence. In the case of multiple pieces of similar gear being requested by two or more groups the Club Executive will attempt an equitable division if the groups cannot agree among themselves. Groups will always have precedence over an individual for equipment requested for the same period.
- D. The Executive will make a decision on loan within 15 days of the 60 day cutoff date.
- E. If a request comes in after the 60 day time period for a stand alone event, the EXEC will make a decision based on original criteria.

When tempted to fight fire with fire, remember that the Fire Department usually uses water.



The membership year is from January 1 to December 31.

All members receive the newsletter.

HALIFAX AMATEUR RADIO CLUB MEMBERSHIP - For 2013

- Same address as last year New address
- I would like newsletter as PDF E-Mail (Please note by taking newsletter online you save the Club significant mailing and printing costs)

E Mail Address (Please provide for our files and NSARA membership)

Call Sign _____

First Name Initial Surname

Street Address (Mailing)

City/Town Province Postal Code Telephone Number

Fees: Full Member, must be a licensed Amateur (\$30.00) Associate member (Non Voting) (\$15.00)

Family membership (one newsletter) (\$30.00) + \$15.00 each additional person.* Amount submitted \$

* All Full Members will also be Members of NSARA

✉ Mail to: Membership Chair CERT _____ CARD _____
 Halifax Amateur Radio Club SEC _____ ENTERED _____
 P.O. Box 8895
 Halifax, NS B3K 5M5