



The Halifax Amateur Radio Club

REFLECTOR

PO BOX 8895
HALIFAX NS
B3K 5M5

March 2017, Volume 78 Number 3
club web site is www.halifax-arc.org



Change the time March 11 at bedtime



All phone numbers must be preceded by area code 902 when dialling, unless otherwise indicated

HARC Club Station phone number - 902-490-6421

Executive

President - Brian Allen, VA1CC	489-4656	basailor@eastlink.ca
First V.P. - Don Trotter, VE1DTR	823-1888	ve1dtr@rac.ca
2nd V.P. - Doug LeBlanc, VE1LDL	465-4665	igpearce@hotmail.com
Secretary - Howard Dickson, VE1DHD	823-2024	dhickson@eastlink.ca
Treasurer - Jim Guilford, VE1JG	466-2124	jimguilford@gmail.com
Director-at-Large: - Craig MacKinnon, VE1JMA	463-8517	cjmackinnon@gmail.com
- Ian Pearce, VE1IGP	469-3474	igpearce@hotmail.com
Station Manager: - Alex Tikhomirov, VE1RUS	444-1271	a.texer@gmail.com
Past President - Murray MacDonald, VE1BB	876-0661	twomacds@ns.sympatico.ca
Director Emeritus - Bill Elliott, VE1MR	865-8567	bowser.elliott@ns.sympatico.ca

Committees/Offices/Prime Contacts

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- Howard Dickson, VE1DHD dhickson@eastlink.ca
Basic ham course - Tom Caithness, VE1GTC 477-7081 tom.caithness@ns.sympatico.ca
2016 Flea market Chair - VACANT
Field Day Coordinator - VACANT
Safety Officer - Terry Bigelow, VE1TRB ve1trb@eastlink.ca
NSARA Director - Bill Elliott, VE1MR 865-8567 bowser.elliott@ns.sympatico.ca
Honorary Legal Counsel - Paul Radford, VE1ARH

Non Club Contacts

RAC Atlantic Director - Dave Goodwin, VE9CB ve9cb@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 March 2017 General Meeting of the Halifax Amateur Radio Club will be held Wednesday, March 15, in the Senior's Room on the 1st floor of the St. Andrew's Centre, 3380 Barnstead Lane, Halifax.

6:30-7:00pm - Social half- hour with refreshments.

7:00-8:30pm - Presentation: Discover the HF Experience
Presenter: Gerry Hull, W1VE & VE1RM (Remotely via GoToMeeting from Hancock, NH)

8:30-9:30pm Regular Monthly Business Meeting

Guests are welcome

When I was a child I thought nap time was punishment. Now it's like a mini vacation.

Deadline for submissions to the April Reflector is Saturday April 8, 2017

Take-15 Net Controllers

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



March 12	Gary	VA1GGM
March 19	Win	VE1WIN
March 26	Doug	VE1LDL
April 2	Bruce	VE1MLW
April 9	Gary	VA1GGM
April 16	Win	VE1WIN
April 23	Doug	VE1LDL

Puzzler - Do you know?

The study of what creature has allowed scientists to build a better L.E.D. light bulb ?

Answer is on pg. 4



Puzzler - Do you know?

The study of what creature has allowed Japan's Bullet Trains to go faster ?

Answer is on pg. 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

Event for Your Calendar

April 8 & 9 - Shearwater Hobby Show - we're planning to run 2 tables
Coordinator is Craig, VE1JMA

Saturday, April 8, 2017 8 AM to 12 Noon - Seacoast Amateur Radio Flea Market. Sponsored by the Port City Amateur Radio Club www.W1WQM.org

St. James Masonic Lodge
77 Tide Mill Road, Hampton, NH

June 3 - DownEast Fearnmark t

July 8 to 15 - Jamboree On The Air
Scouts Canada, the largest youth programme in Canada, will be holding their National Jamboree in Nova Scotia this summer, at Camp Nedooae near Elderbank.

For more info see e-mail (page 8) from Andy Dunn, VE3XAD

June - Field Day, 2017
Co-ordinator needed

July 29-30 - Islands On The Air (IOTA), 2017 - Starts July 29, 12:00 UTC ends July 30, 12:00 UTC

Message handling practice nets

On VE1PSR (147.270 +) Sundays at 1930

Anyone wishing to become involved with the emergency communication message handling please contact Tom Caithness for voice practice.

Tom.caithness@ns.sympatico.ca or

Dave Musgrave for digital
david.musgrave@ns.sympatico.ca

REMINDER

Have you renewed your membership for 2017? Have you changed your mailing address? Your E-mail address? Got a new call sign? We need to know your correct address to get the newsletter to you. Please inform Membership chair Howard Dickson, VE1DHD at: dhdickson@eastlink.ca of any address changes

Seacoast Amateur Radio Flea Market

Sponsored by the Port City Amateur Radio Club www.W1WQM.org

Saturday, April 8, 2017 8 AM to 12 Noon.

St. James Masonic Lodge
77 Tide Mill Road, Hampton, NH

General Public Admission \$5 per person. Children under 12 – Free!

All ticket holders are eligible for the door prize drawing.

Additional Door Prize tickets may be purchased for \$5 each.

All winners must be present at the time of the drawing.

Food and beverages will be available for purchase.

VE Session will be held at 1 PM

Sellers and Vendors

Indoor sellers 6' tables \$10 each, 22 available – first come first serve as determined by email time stamp.

Prepaid by 03/15/17

Tailgate sellers \$10 per parking space, 10 available (weather permitting). - Prepaid by 03/15/17

Entry fee includes ticket for prize drawing.

Doors open for set up at 7 am with General Public admission beginning at 8 am, ending at 12 Noon. Breakdown completed by 12:30 pm

Vendor application can be obtained via fleamarket@w1wqm.org

For more information or to reserve space, please contact the PCARC via email fleamarket@w1wqm.org or Mark, K1RX (603)231-8965

Say how many people are coming with you! (Please)!

The Maritime Amateur

Ham Radio
for Maritimers by Maritimers
www.maritimeamateur.ca

HARC Booking Calendar

Looking to find out what is going on in the HARC Station? If so, you should go to our on-line room booking calendar: <https://teamup.com/ksa1105421c0509940>

There you can find information on events taking place in the:

- Club Station Main Meeting Room
- Club Library / Technical Room
- Club Radio Station Room
- Club Remote Radio Reservation Booking

If you want to reserve space in one of the above three rooms, or if you are approved to use and want to book time on the Club Remote Radio, then send an email to our Station Manager, Alex a.texer@gmail.com or to our Club Website Manager, Howard VE1DHD@RAC.CA and they will make the booking for you.

Canada 150: Special Event Prefixes for Canada's Sesquicentennial

R.A.C. has secured permission for all Canadian Radio Amateurs to use special call sign prefixes to celebrate the 150th anniversary of Canada's Confederation. Events will take place throughout 2017 to celebrate the anniversary,.

These special prefixes are optional. Amateurs can choose if & when to use the special prefix vs their normal prefix at any time during the year. Stay tuned to the RAC website for additional information

For more information on Canada150 visit

<http://canada.pch.gc.ca/eng/1342792785740>.

Is your address correct in Industry Canada's database? It's important that you inform Industry Canada of any change to your address.

PRESIDENT'S MESSAGE for MARCH, 2017

Here is VA1CC, Brian once again ... I certainly hope everyone's antenna stayed up during the February week of snow storms & high winds. Mine did not; my MA5V broke off where the fibre glass insulator goes into the 12 inch piece of aluminum pipe. Well, I got it down and into the living room (apartment) and started to go to work on it. The 54 inch piece is now 4.5 inches shorter with a dowel up through it. I also wrapped the remaining fibre glass tube with tape to keep direct sunlight off it and finally replaced the feed line. I managed to stand it up, ran the usual tests and found it ready to put up all the way. Back in the shack with the vswr analyser on the coax, all turned out to be in excellent shape with a typical reading of 1.2 :1...SUCCESS.

This leads me into this week end's ARRL DX contest (the reason I wanted the antenna up so badly). In the 1.5 hours I got to work the contest I made 40 contacts and no duplicate countries (40 different prefixes). And then the bands closed out ... so here I am at the radio on Sunday morning trying for more contacts and points. This delay in working the contest was brought on by a phone call from Dick, VE1AI, with a request to me to join him and others down at the museum of the Atlantic to do some antenna work....

The antenna down at the museum is a MA5V - and guess what had happened? - the very same thing that happened to mine! So I got the dowel, tape & marine goop and afterwards, Terry, VE1TRB, Dave, VE1DDC along with Corey from the museum, VE1PAX and Dick, VE1AI, took it to a work shop and repaired the antenna. Back up on the roof and 30 ft. tower in -11C weather and gusty winds to 40 km ... BRRR!! it was cold. Again we met with success after testing and getting it into the final position. We had a super day with great results. I would like to thank Terry, Dave and Dick as well as Corey for making this happen before March break and their efforts are very much APPRECIATED.

Folks, we still need leadership for the June Flea Market and for the June 25 week end for Field Day. These are 2 very important events for our club. Many in the surrounding provinces come to Fleamarket to meet old friends, check out the gear and just have a good time. As for Field Day, this year will be at the club and we are looking at breaking new contact numbers and just having a great time as in years past. Stay tuned for other up-coming events such as the Museum Ships week end, the Ledwedge Car Rally, the MS Walk the MS Bike Tour, Waterfront Days and of course our summer breaks. We have something for everyone to get involved in, including the Museum of the Atlantic where you get to meet so many people, talk about our hobby and introduce people to Morse code. This is a very satisfying project to be involved in.

Well, lets hope March ends as it arrived and does not go out like a lion. If we can get through March without any ice storms and high winds we should consider ourselves very lucky and be thankful. It is here that I will close and will see you at the general meeting on the Wednesday night March 15 at 1830 hours for coffee.

73's for now, Brian Allen, VA1CC, President- HARC

A Note about the planned work at Saint Andrews Centre From Murray, VE1MMD

Good morning all. The article that Brian referred to is on page 16 of the insert contained in Monday's edition of The Metro. Specifically the site manager was quoted as "The build will begin around June 2018 and they're hoping to open the new building in the fall of 2019." She continued "Programming will continue right until they break ground and during construction." The article also contains reference to the Musquodobit renovation which will begin this summer.

Murray, VE1MMD

**Truro Amateur Radio Club -
Newbie Round Table**

Time: - 2100 hrs (9PM) Sunday Evenings. - Time frame: 30 min. to 1hr. Location: VE1HAR with the following repeaters linked, VE1XK VE1BHS, VE1SHU, VE1CDN, VE1PKT, VE1HR, VE1AEH, VE1WN, VE1RTI.

Premise: The main objective of this round table will be a learning experience for both new and older ham operators. It will be a round table discussion forum on air for newbies to ask questions about stuff they don't understand, with experienced hams using their knowledge and experience to provide the answers. There will be a moderator in charge in order to start the discussion and to move things along when necessary. For each round table there will be a suggested topic to be discussed, but other questions and topics would be more than welcome.

Anyone wanting fall arrest training should contact:

Terry, VE1TRB, at
ve1trb@eastlink.ca

to reserve a spot on the next course that will be scheduled.



Guides On The Air (GOTA) 2017

On February 18, 2017, the HARC played host to the 36th Halifax and the 1st Fairview guide companies for the annual Guides On The Air.

There were 3 Leaders and 1 dad as well as 10 Guides in attendance. Club members in attendance were Gary, VE1WAN; Doug, VE1LDL; Fraser, VE1WO; Terry VE1TRB; Tom, VE1GTC and, from her home talking to the guides, was Helen, VA1YL with guides at her ham shack on 2 m.

Helen, VA1YL, has had "GOTA-event" QSL cards printed to be sent to HARC for our guides confirming the guide-to-guide contacts.

Note: the pictures are ok to publish as proper clearance was obtained by the leaders prior to their visit to the HARC Club Station.

Tom, VE1GTC

Fraser, VE1WO, mentored on VHF while Gary, VE1WAN, handled HF.



Doug, VE1LDL, was in charge of Winlink

As in other years, a good time was had by all of the participants. One of the leaders was so intrigued that she earned her Morse Code certificate too.

Terry, VE1TRB, introduced the guides to the mysteries of Morse Code.

**Answer to Puzzler on page 1**

In 2013, researchers in Belgium, France & Canada published a pair of studies detailing their discovery of an unexpected pattern in the jagged scales of firefly lanterns that enhanced their glow. The discovery is now leading to new concepts in the design of light emitting diodes.

Nicholas Andre, University of Sherbrooke has determined that he can increase L.E.D. bulb brightness by 55% while using less energy by coating the bulb with a light-sensitive material and laser-etching it to create exposed patterns.



"Maybe it's true that life begins at fifty, but everything else starts to wear out, fall out, or spread out." -- Phyllis Diller

So ... What's happening with the Canadian Parks & Historic Sites event that Doug, VE1DFG, has proposed?

Well, in his usual organized & thorough way, Doug has been thinking, communicating with appropriate people, researching, coming up with a sensible numbering scheme for our Parks & Historic Sites and assembling Event Rules.

R.A.C. supports it, Parks Canada has approved it, the ARRL appears to be happily on board, (US hams are still operating from their parks even though their year's end date has passed)

Below is the beginning of the document Doug is working to produce.

There's more in the draft document but I think it's safe to guess that these few items will not change. So ... where will you go to operate this summer/autumn/winter? -ed

Welcome to Parks Canada and Historic Sites Ham Radio On The Air.

Sponsored by Radio Amateurs Of Canada & Parks Canada Simplified Rules

*Beginning on May 1st 2017 at UTC 00:00 till December 31st 2017, 23:59 UTC

- Goal is to promote Ham Radio and our National Parks also creating activity on the air from portable stations. Also we need people from their home QTH to chase others as we activate.
- All licensed amateurs welcome

Surplus Club Item for Sale

From time to time, the HARC offers to sell surplus equipment to the membership. We are working on a list of smaller items that will be offered by means of a silent auction at club meetings. This month's item is a used Kenwood TH-28A Handheld Radio with speaker mic. It is an older 2m radio. It does seem to function, however the battery pack is not serviceable, and will need to be rebuilt. The radio and auction sheet should be located near the sign-in sheet at the March monthly meeting.

-Ian, VE1IGP

Surplus Club Item for Sale

The club has surplus to needs a BenQ PB6110 Projector (SVGA Portable Projector) with a new spare lamp, soft case and assorted cables. Asking \$150 or reasonable offers. Contact any executive member or submit bids to Jim Guilford, VE1JG.

All contact information is on page 1.



Answer to Puzzler on page 1

The study of the kingfisher has allowed Japan's Bullet Trains to go faster - up to 320 km/hour.

Japan launched its network of high speed rail lines in 1964. As the trains became faster, they caused a booming sound when they exited a tunnel disturbing people & wild life. Bullet Trains - modelled on kingfishers - don't push air waves out in front of the engine, making them quieter and more reducing energy consumption by 15%



Kingfishers have unusually large heads and long beaks. Both the upper & lower parts of the beak have triangular cross-sections with curved sides

*"We hang the petty thieves and
appoint the great ones to public
office."* ~Aesop~

PARTIAL REPRINT

Vimy Ridge Commemorative Station VE1OOVIMY Donald Studney, VE7DS

April 9, 2017, will mark the centenary of the Battle of Vimy Ridge - a major milestone on Canada's road to nationhood.

Situated on an escarpment above the adjacent Douai Plains in the northeast corner of France, Vimy was part of the WWI "Western Front" which stretched from the North Sea to the Swiss border. Vimy Ridge was of huge strategic importance commanding a great field of fire and blocking advances up the adjacent broad valleys leading towards important mining & industrial sites. Repeated attempts by the French and British forces over three years had failed to dislodge the occupying German troops and had cost hundreds of thousands of

casualties.

On April 1917, four Canadian Divisions, fighting as a unified force, using original tactics and under the command of Canadian General Arthur "Guts & Gaiters" Currie, captured the main part of the Ridge on the first day of combat and completely occupied the entire ground in 4 days. Vimy Ridge remained in Allied hands for the rest of the war and served as the base for wireless operations of the Canadian Corps of Signals. The Vimy success stirred a new sense of nationhood that some historians describe as the "birth of a nation for Canada".

In April 2017, wireless signals will ring out from this Canadian National Historic site. The site was ceded by France to Canada by a Treaty in 1922 for "a park of 100 hectares ... on which to lay out a monument to

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As the February HARC Meeting was cancelled due to weather the following is a reprint of the January General Meeting Minutes

Halifax Amateur Radio Club Minutes of the General Meeting of 18 January 2017

The January HARC monthly meeting was declared open at 8:15pm with Brian, VE1AZV, in the Chair

Self Introductions: There were 42 members and 3 guests present.

Report of any Silent keys:

Brian reported the following silent keys for December and early January: Bill Gillis (VE1WG); Tom Wilson (VE1SI); Norris Lionel Nathanson (VE1NLN); Arthur (Mel) Ellis (VE9KK); Bonnie Mc VY2TY

Motion to approval the November Monthly meeting minutes as published in the HARC Reflector was made by Bill VE1MR; seconded by Erik VE1JEH
Carried

Treasures report: In the absence of Jim (VE1JG), Howard reported the Club financials for the month of December, indicating that there was an opening balance of \$6,878.84, with an income of \$167.50 and expenses of \$129.88 and outstanding cheques of \$ 55.00; ending balance of \$6,361.46. A copy of the full report is appended to the official hard copy of these minutes.

Motion to approve the report of the Treasurer was made by Howard; seconded by Dick, VE1AI
Carried

Executive Reports:

President's Report – Brian indicated that he has booked the Gymnasium at St. Andrew's for the Down East Flea Market for Saturday June 3rd 2017.

Committee/Project Reports:

- Basic course up-date: Dick VE1AI indicated that nine of our students have passed the Industry Canada Basic Exem so far and more are to

write next week; three newly minted Hams were in attendance at the meeting and were congratulated on their success by the Chair.

- Brit Fader Scholarship 2017 – Howard reported that he had met with Paul Radford (VE1ARH) our honorary legal counsel and was informed that there are sufficient funds in the Trust account to offer a \$1500 scholarship again this year. Howard has sent out announcements to RAC, TCA, Maritime Clubs and the HARC email list.

- Christmas Party Report – Amanda reported that the Christmas Party attendance was the largest in recent years with a total of 57 members and guests attending.

- Search and Rescue/EMO – David (VE1AJP) reported that Dave Pike is now the chief director for the local Search and Rescue unit; he also indicated that the team has been busy with several searches over the Christmas break and into the new year, most resulting in positive outcomes.

- Membership – Howard indicated that there were too many renewals made this evening to come up with an accurate membership number but he will report in February.

- Museum Wireless Room – Dick (VE1AI) reported that the radio room has been manned by Club members for over 200 hours since opening. They have issued 3477 certificates of CW proficiency (80% adult ; 20% children). There have been ham radio visitors

While driving in Pennsylvania , a family caught up to an Amish carriage. The owner of the carriage obviously had a sense of humor, because attached to the back of the carriage was a hand printed sign... "Energy efficient vehicle: Runs on oats and grass. Caution: Do not step in exhaust."

from all over Canada and the States and visitors in general from all over the world. Given the huge level of traffic through the MMA it was emphasized that the Wireless Room is getting extremely well recognized.

Old Business:

- St Andrews move –Murray informed the membership that Barry Manuel (the EMO tenant on our behalf at St. Andrews) has not yet received a formal notice to leave the premises; Barry has also indicated that the coordinator of Parks and Recreation is unaware of any reason why the Club should not be welcomed back into any new facility when completed. Murray indicated that it now appears that it will be at least late March 2017 before HRM will be able to deal with the budget for a new facility. It now also appears (notice posted today at the Centre) that nothing is expected to happen to the facility before July 2018. This gives HARC much-needed space to find a temporary alternate location during construction.

- Remote Station Move – Fraser (VE1WO) reported that given it now appears that we will be in this location until July 2018 there is no urgency to move the remote station. However Fraser and Al Prosser are doing some advanced planning to move the station to an alternate site. They have been looking at a provincial site in Middle Sackville off Lively Rd. It appears that there is plenty of room in the building on the site for our equipment and they are looking into an internet connection as well as a way of putting up our antennas. Fraser indicated that the plan is to move forward with planning for a move in the summer of 2017 but it could be postponed until the summer of 2018.

New Business:

- Ham Breakfast – Doug reported that Amanda has agreed to organize the Ham Breakfast that will take place on Feb 18th at the Steak and

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Minutes (Continued from page 6)

Stein on Young Street in Halifax. Amanda will arrange for a notice to be sent out to the email distribution list.

- Proposed Membership Fee Increase for 2018 – Brian and Howard reported on a recommendation made by the Executive at their January meeting that given the Club's tight fiscal situation – there will not be any further publications of the Callbook which was the major source of Club income – there was a need for the Club to look at alternate sources of income. The recommendation will come to the February and March meetings for discussion and votes; implementation if passed will be for 2018.

Round Table:

Ian Pearce reported on a way that HARC might generate funds in lieu of a Callbook, by encouraging members to make donations of surplus equipment to the Club where smaller pieces of equipment would

be made available each month for silent auction at club meetings. Larger equipment items would be made know to all club members first and then more broadly before bids would be received.

Jeremy (VE1JHF) reported for Terry (VE1TRB) that a Fall Protection course will take place on 25 February in the Club Station and a \$25 donation will be required from participants.

Jason LaPierre reported that an HF radio station has been re-established and is now functional at the Red Cross; Bill indicated that he has been holding an antenna that belongs to the Red Cross. Bill and Jason to discuss transfer.

Dick asked about ordering some long-sleeved shirts for Club members; they would like to have some for members who attend at the MMA Wireless Room. Brian agreed to get some prices on shirts.

Dick indicated that we had great success using the VE100VIMY/VE1 callsign during the first week of

January; Nova Scotia was the first province to use the special-event callsign leading up to the 100th anniversary commemoration ceremonies in Vimy France in early April.

Dick suggested that HARC try to get a special callsign assigned to commemorate the 100th anniversary of the Halifax Explosion and Fred VE1FA agreed to work with Dick on this project. Because of the displays at the MMA related to the Halifax Explosion, Fred hopes to involve the MMA in our efforts to publicize the explosion anniversary.

Ticket draws:

Door Prize - \$10 gift certificate from Superstore – Ralph Rosere, VE1RAR

50/50 Draw - \$36.50 – Ralph Rosere (VE1RAR)

Adjournment: On a motion by Don Trotter (VE1DTR) the meeting adjourned at 09:08pm.

Respectfully submitted –
Howard Dickson (VE1DHD)
HARC Secretary.

*Vimy Ridge Commemorative Station
VE100VIMY (Continued from page 5)*

the memory of the Canadian soldiers who died on the field of honour in France during the war 1914-1918".

When VE100VIMY goes on air the signals will be "CQs" and "599s" instead of artillery coordinates. A dozen operators with two stations will transmit from a shack near the summit of the Ridge.

The event is being organized by the Vimy Commemorative Station Society, a BC registered Society and a RAC Affiliated Club, in coordination with a number of leading Canadian Amateurs.

Some of the Vimy station organizers and operators were members of the Hart House Amateur Radio Club (HHARC; call sign VE3UOT) at the University of Toronto in the 1960s. The radio club's meeting rooms were

usually reached by passing by a captured WWI German Maxim machine gun that had been captured at Vimy by a U of T graduate, Major Thain W. MacDowell, (awarded a Victoria Cross for his actions.)

The gun was later gifted to the University and is now on display in Soldier's Tower adjacent to Hart House. Thain Jr. was part of the planning group for VE100VIMY.

The Maxim gun's inventor was Sir Hiram S. Maxim. his son, Hiram P. Maxim was also an inventor & radio experimenter who held the call sign 1AW founded of the American Radio Relay League (ARRL).

The significance of the Battle of Vimy is little known outside of Canada. This Commemorative Station Event will take the message of Vimy around the world, crossing borders & cultural boundaries as

only radio waves can. Amateurs who contact the station will learn about Vimy during their QSO and from the QSL card.

The Society Executive has visited the Vimy site on 3 recent occasions for logistics planning and antenna siting. RF noise levels were assessed in April 2015 and found to be low. Present plans are to have two Elecraft K3/ KPA500 combinations and an array of directional & dipole antennas. Modes will be CW, SSB & RTTY with an emphasis on unique contacts and on coverage of the low bands so popular in Europe. Special efforts will be made to aim good signals at Canada. For security reasons the shack will not be open to the public nor to visiting Amateurs. Contact will have to be made the hard way - on HF.

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From the Mail Bag

*Definition: PARADOX:
Two physicians!!*

Hello and greetings from the Kings County Amateur Radio Club.

Several years ago we were approached by Albert Bahri who at the time was the REMO Co-ordinator for the Town of Windsor/Municipality of West Hants.

Mr Bahri advised us that Hants County Amateur Radio Club, who had been associated with TOW/WH REMO with the communications aspect of their emergency planning, had folded. Apparently in an end stage development, the Club only had a few active members and had meetings only twice a year.

Mr Bahri reached out to our group here in Kentville to step up and provide the same services to TOW/WH EMO as the old Hants County Club did before it ceased to exist.

At the time, our group was already heavily committed to Kings County REMO/EMO because of our long standing relationship with them and the significant contributions to our repeater infrastructure and hardware that they had made.

Even so, we felt an obligation to help out TOW/WH, if only to provide a presence at their planning table. We've tried our best to respond but lately, due to our own shrinking resources, it is becoming more & more apparent that we cannot continue to honour our obligation to the 2 jurisdictions effectively at the same time.

As a result, I am asking for assistance from HARC in attracting interested Amateur Radio Operators who might live in an area within driving distance of Windsor to become involved in TOW/WH REMO so that our group can concentrate on working with Kings County REMO.

Becoming involved would typically mean one Amateur Radio Operator representative attending TOW/WH REMO planning meetings and attending scheduled exercises, including Exercise Handshake once per month from the EOC in Windsor.

I would stay on as part of the Amateur Radio comms team as an advisor until any new recruits became familiar and comfortable with the routine.

Interested persons can contact me at 902-678-1653 or Email elsylah@yahoo.ca and I generally monitor the Glenmont Repeater VE1AEH for more information.

Thanks in advance. I appreciate any interest.

Lysle Anderson VE1BZE

Andy Dunn VE3XAD sent a message using the contact form at <http://halifax-arc.org/contact>.

As you may be aware, Scouts Canada is the largest youth programme in Canada and we will be holding our National Jamboree in Nova Scotia this summer, at Camp Nedooae near Elderbank. Thousands of young people will attend what for them will be a once-in-a-lifetime opportunity.

One of the planned activities is an Amateur Radio station. Scouts Canada participates annually in a world wide event called Jamboree on the Air, where over half a million Scouts communicate over Amateur Radio every October. I am the national coordinator for this programme in Canada (as well as the organizer of our local station each year in my own hometown) and believe it is one of the best ways to present our hobby to the youth who hopefully will become the licensed amateurs of the future.

I am looking for support for this station in a number of different ways as we work towards our July event, and would appreciate if you could direct me to the appropriate contact to discuss the kind of support we need and how your Club might be able to provide us with some assistance in support of amateur radio education.

73, Andy VE3XAD

Dallas Hubley

Cell: 902-817-7537



Need a tube for a repair, a restoration, a project? Contact Dallas Hubley at 902-817-7537

Vimy Ridge Commemorative Station VE1OOVIMY (Continued from page 7)

The organizers wish to recruit operators with good contest or DXing skills from as wide a cross-section of Canada as is practical. Additionally, CFARS (Canadian Forces Affiliate Radio System) has been invited to nominate licensed active service personnel to be guest operators. Interested Amateurs should contact the organizers at ve1OOvimy@rac.ca.

For more information on this very special event please visit our website at:

<http://www.ve1OOvimy.ca>

Look at a Canadian \$20 bill to see the Vimy Monument. -ed

**HALIFAX AMATEUR RADIO CLUB MEMBERSHIP - For 2017**
☐ Same address as last year ☐ New address

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

☐ I would prefer to have the newsletter mailed to my home **at an additional cost of \$10.00 to the regular membership fee structure below..**


E Mail Address (Please provide for our files)

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 \$ _____.

* Full HARC Members will also receive full membership in the NSARA

The membership year is from January 1 to December 31.

All members receive the newsletter, which is also available on the HARC website.

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

Payment Options ... In addition to mailing a cheque to the Club mailing address along with the application form, or paying at the February Club meeting, we have set up a new electronic money transfer process as outlined below:

Procedure for Paying HARC Membership Dues by electronic money transfer:

Since fewer and fewer of our members use cheques, it is becoming more difficult for some to pay their HARC dues, requiring that they come to a meeting and pay with cash. That is fine for some but for others who are for what ever reason unable to attend meetings it is a problem. However, we now have a system set up to allow HARC members to pay their 2016 membership dues using electronic money transfer. The procedure to use is as follows:

- 1) Send an email to Howard VE1DHD our Membership Chair at dhedickson@eastlink.ca and cc: Jim Guilford our Treasurer at jimguilford@gmail.com with either a scanned or photo of your 2017 Membership Application Form; or, if there are no changes, simply email with your full name and callsign saying no changes; ALSO indicate that you are paying by e-money transfer.
- 2) Go to your on-line banking site and send an e-money transfer to our Treasurer (Jim Guilford) jimguilford@gmail.com. Be sure to include in that email the security question that Jim will need to then make an electronic transfer into our HARC bank account.
- 3) Once Jim receives the money and has deposited it to the HARC account, he will confirm with you by email and he will cc: to Howard.
- 4) Howard will then issue a 2017 e-Membership Card (by email) confirming that your 2017 membership has been paid.

73 Howard, VE1DHD