



The Halifax Amateur Radio Club

# REFLECTOR

PO BOX 8895  
HALIFAX NS  
B3K 5M5

April 2018, Volume 79 Number 4  
club web site is [www.halifax-arc.org](http://www.halifax-arc.org)



## THIS WILL BE YOUR LAST REFLECTOR IF YOU HAVE NOT RENEWED YOUR MEMBERSHIP

HARC Club Station phone number - 902-490-6421

### Executive

President - Jeremy Fowler, VE1JHF	240-4302	ve1jhf@gmail.com
First V.P. - Don Trotter, VE1DTR	823-1888	ve1dtr@rac.ca
2nd V.P. - Gary Murphy, VA1GGM		garygmurphy@gmail.com
Secretary - Aaron Bradley, VA1ARN		ad.bradley@me.com
Treasurer - Jim Guilford, VE1JG	466-2124	jimguilford@gmail.com
Member-at-Large: - Craig MacKinnon, VE1JMA	463-8517	cjmackinnon@gmail.com
- Ian Pearce, VE1IGP	469-3474	igpearce@hotmail.com
Station Manager: - Brian Allen, VA1CC	489-4656	basailor@eastlink.ca
Past President - Brian Allen, VA1CC	489-4656	basailor@eastlink.ca
Director Emeritus - Bill Elliott, VE1MR	865-8567	bowser.elliott@ns.sympatico.ca

### Committees/Offices/Prime Contacts

Government & Media Relations - Gary Murphy, VA1GGM garygmurphy@gmail.com  
QSL Bureau Mgr - Tom Caithness, VE1GTC 477-7081 tom.caithness@ns.sympatico.ca  
EMO Coordinator - David 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  
Reflector Hardcopy Dist. - Carol Wood, VE1HAZ carol.wood@EastLink.ca  
Membership - Jim Calvesbert, VE1PPA jim.calvesbert@gmail.com  
Reflector electronic Dist.: Jim Calvesbert, VE1PPA jim.calvesbert@gmail.com  
Web site content Manager - Brandon Fowler (VE1BMF) bmfowler95@gmail.com  
Basic ham course - Wayne Harasimovich, VE1WPH wayneph@bellaliant.net  
2017 Flea market Chair - VACANT  
Field Day Coordinator - VACANT  
Safety Officer - Pat Cavanaugh, VE1PHK ve1phk@rac.ca  
VA1MMA Project Manager Dick Grantham, VE1AI rgrantham@ns.sympatico.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, 823-2191 ve1qd@rac.ca

### Take-15 Net Controllers

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

April	15	Gary	VA1GGM
April	22	Peter	VE1PJW
April	29	Doug	VE1LDL
May	6	Gary	VA1GGM
May	13	Peter	VE1PJW
May	20	Doug	VE1LDL



**Notice:** The 2018 membership due date has been extended by a month as a result of winter storms and cancelled meetings. The April Reflector is the last issue that will be sent to those members who have not renewed for 2018.

Hobby Show photos this issue thanks to Jim Calvesbert, VE1PPA

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

**The April 2018 General Meeting** of the Halifax Amateur Radio Club will be held Wednesday, April 18, 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.

7:00-8:00pm - Presentation:  
Primer on Weather and Canwarn

Presenter: Bob Robichaud, VE1MBR

8:00-9:00pm April General Business Meeting

Guests are welcome

**Deadline for submissions to the May Reflector is Saturday, May 5, 2018**

*One reason to smile is that every seven minutes of every day, someone in an aerobics class pulls a hamstring.*

### 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*

S.M.A.R.T. 2018 is scheduled for Saturday April 28th 8am-5pm at the Dr Carson & Marion Murray Community Centre in Springhill NS. Registration fee will be \$5.00 which includes lunch.

Saturday May 26, 2018 - **the Down-East Flea Market** - here is some of the information. Keep your eyes on the HARC website for further information as it develops.

Time: 8 AM to 2 PM followed by the NSARA Meeting

Location: the Royal Canadian Legion Calais Branch 162

45 Sackville Cross Road

Lower Sackville, Nova Scotia

Tables will be available and the majority are 8 foot with a smaller number of 6 foot tables available. Power would be available to some tables along walls.

Contact Craig for tables at

Cjmackinnon@gmail.com

Sunday May 27, 2018 - the MS Walk

Contact: Jeremy VE1JHF at

ve1jhf@gmail.com

Museum Ships on the Air is the first weekend in June. Cruise ships will start in April.. The H.A.R.C. aims to staff the Radio Room at the Museum with shifts Mondays and Thursdays 10h-13h and 13h-16h.

Field Day - the last full weekend of June

July 6 to 8 – A public information display of amateur radio emergency communications and training exercise at Scott Manor House in Bedford

July 28 & 29 - IOTA (Islands On The Air) - sponsored by the Radio Society of Great Britain

To view the activities of the Maritime Lighthouse Amateur Radio Group go to;

<https://www.facebook.com/groups/MLARG/>

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

Time: 2100 hrs (9PM) most Sunday evenings lasting: 30 min. to 1hr. Location: VE1HAR with the following repeaters linked, VE1TRO VE1BHS, VE1SHU, VE1CDN, VE1PKT, VE1HR, VE1AEH, VE1WN, VE1RTI.

Echo Link will also be available via VE1BHS for those who want to use it. The node number for BHS Echolink is 100853.

The main objective of this round table is as a learning experience for both new & 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 & experience to provide the answers. There will be a moderator in charge in order to start and facilitate the discussion as necessary. For each round table there will be a suggested topic to be discussed, but other questions & topics will be more than welcome.

Questions? Email Dave Hull at

d.hull@ns.sympatico.ca

or

tarcnewbie@davidh.ca

### **S.M.A.R.T. 2018 scheduled for Saturday April 28th.**

From Jim VE1JBL Jan. 6th, 2018

The event will again be held at the Dr Carson & Marion Murray Community Centre in Springhill NS on April 28, 2018 8am-5pm.

Registration fee will remain the same \$5.00 which includes lunch. There will also be 50/50 tickets and prizes given throughout the day.

First classes will begin at 9 am. Lunch hour (barbecue) will be from 12 noon till 1 pm.

The organizers have decided to keep the "Out of the Trunk" fleamarket this year. Amateurs interested in selling are to write up a note on items for sale with price and will get it on the site. Amateurs looking for something send it along and will also

post it on the site.

This year the Hospitality room will be available and will have refreshments and an area to sit and chat if not taking in the courses.

We are looking for presenters for courses. If interested in putting on a course contact George Dewar VY2GF at dewarg@bellaliant.net

As presenters come forward they will be posted on the site so everyone will know what courses will be available this year.

The WestCumb ARC and the Municipality of Cumberland are looking forward to hosting this event again this year.

For more information and registration go to:

<http://www.westcumb.ca/s-m-a-r-t-2018>

### **REMINDER**

Have you renewed your membership for 2018? 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 Jim Calvesbert, VE1PPA

jim.calvesbert@gmail.com  
of any address changes

Please send any issues (broken links, missing information, etc.) found on the H.A.R.C. Website to our Website Manager, Brandon Fowler, VE1BMF, at

bmfwler95@gmail.com

*Men say that women should come with instructions ...*

*What's the point of that?*

*Have you ever seen a man actually read the instructions?*

**PRESIDENT'S MESSAGE for March, 2018**

Spring has supposedly sprung, and the club is doing some spring cleaning. We've confirmed a new location for the Flea Market this year, and moved it a few weeks earlier than normal to accommodate the big move. I hope to see you all at the Sackville Legion at 45 Sackville Cross Rd on Saturday May 26<sup>th</sup>. Doors for regular public open at 10am, 8am for sellers to set up. Tell all your friends!!

The Shearwater Hobby show was a success, lots of interesting people and discussions. A huge shout out to Craig MacKinnon for setting that all up and manning the table all weekend.

MS Walk is coming up and we're still looking for volunteers to man some stations, so if you've got a few hours to spare on May 27<sup>th</sup>, we'd love to hear from you.

Speaking of needing volunteers, we, as a club, really need people to step up. Repeatedly, we see the same people volunteer for the same events every year, and doing all the work, while others just stay on the sidelines and just show up for the "fun" parts of events. We're seeing burnout of some of our best people, and the only way a club can survive is that EVERYBODY does a little bit. We've got more than enough members to spread the work out so nobody has to do more than a few hours a few times a year.

Things are moving along nicely for our big move, the tower base is scheduled to go in shortly, the electrical wiring for the radio room and the cable installation aren't far behind, and we should be on track to move by the first week of June.

See you at the General meeting on the 18<sup>th</sup>!

73, Jeremy, VE1JHF/VA1GUN President of the HARC

Join in for World Amateur Radio Day, the IARU worldwide operating event that celebrates ham radio's global community.

**World Amateur Radio Day** (WARD) is celebrated every April 18 to commemorate the 1925 creation of the International Amateur Radio Union (IARU) in Paris, France. The IARU's job is to watch over the interests of the Amateur Radio community around the world. Each year WARD has a different theme and in 2014 the theme is "Amateur Radio: Your Gateway to Wireless Communication." Each of the 150 countries in the IARU has a Member Society and many clubs associated with the various Member Societies get on the air with special event stations to celebrate this day.

We have recently set up a **web interface for our weather station** on top of the Dunn building at Dal. Real time weather conditions can be observed at the following web page:

<http://dal-weather.dynamic-dns.net>

The project is in progress, so there might be some interruptions in the service.

Alex, VE1RUS



The complete and official rules for Field Day are available on the ARRL Web site at

<http://www.arrl.org/contests/rules/>

Check into the Maritime Noon Net, week days at 12 noon on the Gore repeater, 146.640 – MHz

To make the most of **our web page** please send photos, notices of events, and ham radio news items, etc. to our Website Manager, Brandon Fowler, VE1BMF, at [bmfwolter95@gmail.com](mailto:bmfwolter95@gmail.com)

Gary Murphy, VA1GGM, is the current co-ordinator for CANWARN

**WANTED**

We are in desperate need of Take-15 net controllers. This is an easy task that can give on air experience to new Amateurs and is a good way to help the club.

The Take-15 net is one of the longest continuously running nets in the country. It would be a shame to discontinue this net.

Currently it is available on VE1PSR VHF, UHF and 6M repeaters at 2030 Sunday evenings.

Please consider taking on this task. The more net controllers the less times per year you would need to take a turn. If we could get 6 more net controllers they would only need to take a turn every 2 months - about 6 times per year.

I can supply a written format to follow. Please contact me by phone or e-mail.

Bill Elliott, VE1MR

902-865-8567

[bowser.elliott@ns.sympatico.ca](mailto:bowser.elliott@ns.sympatico.ca)

**DID YOU KNOW THAT**

**THERE ARE MORE AIRPLANES  
IN THE OCEANS, THAN  
SUBMARINES IN THE SKY?**







At the 2018 Shearwater Hobby Show  
l to r Amanda, Jeremy, VE1JHF/VA1GUN & Craig, VE1JMA staffed the HARC table informing interested visitors about our multi-faceted hobby - Amateur Radio.

**The best Morse code teaching program can be found at <http://www.g4fon.net//>.**

It has been tested to death and shown to be optimum. There are two primary advantages: (a) the student is entirely in control of the rate at which he or she may progress in learning the code, and (b) the characters that are sent by the program are not unnaturally slow but are sent, individually, at a speed consistent with what the operator will hear in the real world. This is known as the Koch method of learning and was widely used by both the military and Coast Guard when both those agencies employed CW for communication.

Gary, Silent Key ex VE1RGB



**Erica Fleck, Division Chief Emergency Management**

Chief Ken Stuebing recently announced Erica Fleck will assume the role of Division Chief Emergency Management with Halifax Regional Fire & Emergency on March 1, 2018. Division Chief Fleck was selected after an extensive national search to determine a successor for outgoing Division Chief Barry Manuel.

Division Chief Fleck holds a Bachelor of Emergency Management, is a Certified Emergency Manager and a member of the International Association of Emergency Managers. Division Chief Fleck has significant experience in policy development, execution, and review of emergency plans. Described as engaging and highly approachable, Division Chief Fleck has a reputation as an outstanding relationship builder, highly respected for her strong communication skills, ability to engage stakeholders at all levels, and commitment to excellence.

Division Chief Fleck has been recognized for her leadership in several significant emergency events in Canada, and her work as part of Canadian delegations during multiple international relief efforts in response to catastrophic events around the world. Division Chief Fleck joins Halifax Regional Fire & Emergency following a distinguished 30-year career with the Canadian Military, including her most recent assignment as Commanding Officer Joint Task Force Atlantic Headquarters, retiring at the rank of Major.

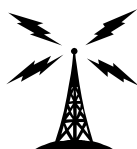
Division Chief Fleck had the following to say about her new role with Halifax Regional Fire & Emergency, "Emergency management and preparedness in the Halifax Regional Municipality is of critical importance to me as an emergency management professional, a parent, and a community member. I am looking forward to this incredible opportunity to embark on what I consider my dream job, and to work with all levels of government and municipal partners to continue the good work of my predecessor Barry Manuel."

### Preparing For The Club's Move

Monday morning, April 9, 2018, Bill, VE1MR, Fraser, VE1WO, Tom, VE1GTC, Ed, VE1EGG and George, VE1CAW got together at Station 50 to assemble what will be the bottom section of our new tower at Station 50.

After reading the assembly instructions and laying out the various pieces we started the assembly. We put the section together loosely and nearing the end we found a couple of mistakes we had made. After rectifying these mistakes we checked the section and found it was nearly true but slightly off. After snugging up all the bolts and jiggling the section we checked it and found it was true. We then tightened all the bolts to the required torque and checked the section again to make sure everything was correct.

We decided the section was heavy enough as it was and did not attach the 4 foot stub legs. The legs will be attached when it is taken outside to be erected in the concrete forms.



The assembly took less than 2 hours proving that many hands make light work. We took a short tour of the new club rooms. Many thanks to the crew that assembled the tower section.

Bill Elliott, VE1MR

### HALIFAX AMATEUR RADIO CLUB GENERAL MEETING MINUTES For March, 2018 NOT AVAILABLE for PUBLICATION

#### The Brit Fader Scholarship

As we speed toward 2017 income tax time consider legal ways of reducing your (2018) payable income tax like donating to the The Brit Fader Scholarship Trust.

Donations are tax deductible. The Trust is a registered charity with Canada Revenue Agency (registration # 0984971-25).

-ed

**HARC APPAREL - ALL PRICES are in Canadian dollars and include taxes . Prepaid or COD. TO ORDER: CONTACT  
BYRON R. MULLETT, VE1NFD, EMAIL:brmullett@bellaliant.net**



**BALL CAPS  
HARC \$15.00**



**NAME TAGS  
Magnet \$5.00  
Pin \$4.00**



**BALL CAPS  
75<sup>TH</sup> Anniversary \$10.00**



**T-SHIRTS XXL \$21.00  
XL/L/M/S \$18.00**



**GOLF SHIRTS XXL \$25.50  
XL/L/M/S \$22.00**

*A minister waited in line to have his car filled with gas just before a long holiday weekend. The attendant worked quickly, but there were many cars ahead of him. Finally, the attendant motioned him toward a vacant pump.*

*"Reverend," said the young man, "I'm so sorry about the delay. It seems as if everyone waits until the last minute to get ready for a long trip."*

*The minister chuckled, "I know what you mean. It's the same in my business."*



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





Dateline - April 1

606

TECHNICAL DATA

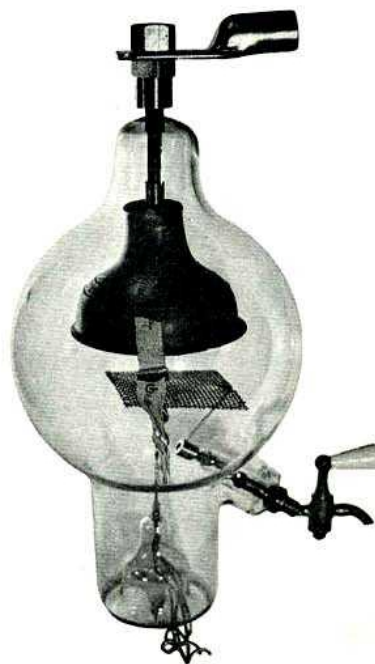
PHANTASATRON

## DESCRIPTION

The Umac 606 is an infernal anode, helical beamed phantasatron having a dissipation rating. The unique vacuum in the phantasatron is of the double-pumped type, permitting a clear view of the non-emitting triple-processed plunger-type plate. Because of its unique self-flushing construction, this tube will remain usable throughout its useful life.

The grid is constructed of a rare metal senileium chosen for its total lack of emission.<sup>1</sup> Primary, secondary, and tertiary electrons are fully suppressed by a left-hand inclination toward the ecliptic extending from the nadir to the zenith. This also compensates for aberrations in azimuthal displacements common in tubes of previous design, wherein the focal point was improperly focused due to chromatic sphericalism.

The urinated tungsten filament is unique. This process is secret.<sup>2</sup> The uranium used for the urination is of the triple distilled, single isotope variety with all neutrons removed. This material is obtained direct from the AEC-Los Alamos.



*Light travels faster than sound. This is why some people appear bright until you hear them speak.*

*At my age "Getting Lucky" means walking into a room and remembering what I came in there for.*

## GENERAL CHARACTERISTICS

### ELECTRICAL

Filament ..... Urinated Tungsten  
 Voltage } ..... { Adjust until half as  
 Current } ..... { bright as flashlight  
 Direct Interelectrode Capacity ... 8.874 gallons

### MECHANICAL

Maximum Overall Dimensions  
 Length ..... 1.076 cubits  
 Diameter ..... 0.643 cubit  
 Net Weight ..... 0.069 stone  
 Shipping Weight ..... Not shippable

## APPLICATION NOTES

**COOLING** -- In operation, the 606 requires a minimum air flow of 5000 cubic feet per second through, around, and above the base. This air flow must be passed through the base in both directions in such a manner that none of the

seals can exceed a temperature of -20° Kelvin. The pressure drop measured at the hole is equal to three fingers of Old Crow. Forced air cooling of the blank is recommended at all frequencies above 60 cycles. Ordinarily a fan

### NOTES:

1. Refer to page 42, paragraph 6, "Notes from the I2U Conference" translated from Russian by A. Popoff.

2. See LS/MFT report, "Secret Process -- One Shovel Full to One Shovel Full",

*I talk to myself because sometimes I need expert advice*

*You're never too old to learn something stupid.*

**From the Mail Bag**

To: All NET OPS

Just a reminder that the VE1NET VHF repeater system is currently NOT available via the MAVCOM system for an extended period of time until a technical problem can be resolved.

Lorne, VE1BXK

The Queens County Amateur Radio Club put on a Basic license course this winter.

Congratulations on earning their Amateur Radio license to the following new operators.



Devon Whynot VE1DXW  
Mersey Point

Nicholas Whynot VE1NJW  
Mersey Point

Chris Whynot VE1CLS  
Liverpool

Byron Thorburne VE1BET  
Liverpool

The latest version of my history of the club is now on my web site

[www.ve1bc.com](http://www.ve1bc.com)

it is quite lengthy and takes several minutes to load. Robert hopes to find time to play with it and squish it up a bit. This will likely cause some reduction in the quality of the photographs. But one can get a copy from me if they so desire. Enjoy.

Spud VE1BC

This is information on this year's S.M.A.R.T. symposium in Spring Hill on April 28th. Be there or be square. I registered on line at the site. I understand Yaesu is coming down to display and discuss equipment. Format is on the web site.

<http://www.westcumb.ca/s-m-a-r-t-2018>

yours truly,  
Doug Grace, VE1DFG

from a letter by Don Trynor, VA3XFT, VA3XPR Repeater Sponsor

**Greater Toronto Area Repeater**

**Jamming Activity** - activity that currently plagues our repeaters in the Greater Toronto Area.

Several of the repeaters in the Greater Toronto Area, including VA3XPR, VE3YYZ FM & VE3YYZ DMR, have become almost unusable due to jamming, profane language, playback of recordings and even radio ID spoofing with DMR. For VA3XPR, the nefarious activity can be found not just on the local talkgroups, but also the global ones, resulting in the disruption of communications, not just here in the greater Toronto area, but around the world as well – thereby tarnishing the image of Toronto area hams on a global scale.

What motivates the culprits to engage in such activities? It's my understanding that it stems from an on-going feud among several local hams. While I am not interested in the history behind their disagreement, I am very concerned & dismayed by the impact that is has on the ham radio community. Ham radio is a global community and we're supposed to be courteous and helpful to one another in a manner in keeping with the Amateur Radio Code. Yes, we can disagree with one another, and we can do it in a respectful and courteous way.

I launched the VA3XPR repeater in 2004 with the intended purposes of creating a community of users where we are all accepting & respectful of one another, as stated on the VA3XPR website. In 2012, VA3XPR was switched to DMR and a huge, vibrant community of

enthusiastic users formed. Unfortunately, the repeater, like others in the GTA, is now plagued by nefarious jamming activity. So, after careful consideration, I decided to take VA3XPR off the air on November 12th and it will remain so until this nefarious activity ceases. If this activity continues unabated on other repeaters, VA3XPR will remain permanently off the air. While it saddens me to do this, I refuse to maintain a system which does little more than operate as a playground for nefarious users and only serves as source of embarrassment for our local ham radio community.

Industry, Science and Economic Development Canada (ISED) - formerly Industry Canada - expects the ham radio community to be self-policing thus, I am appealing to each of you for your help and support. We cannot allow this to type of behavior to continue to obstruct our use and enjoyment of these important repeaters, so I ask each and every one of you for your help in resolving this issue. The users responsible for this nefarious activity are well known by the local ham community, so I ask that each of you encourage all of these individuals to reconsider their ways and to refrain from disrupting our communications. Let's not let a small number of bad apples ruin this great hobby for the rest of us. I truly believe that if we work together, we can make this hobby fun, rewarding and enjoyable for everyone.

Sincerely, Don Trynor, VA3XFT,  
VA3XPR Repeater Sponsor

*How DO you deal with hard-of-thinking vandallism?? -ed.*

*"The only reason they say 'Women and children first' is to test the strength of the lifeboats."*

~ Jean Kerr...

**The Maritime Amateur**

Ham Radio  
for Maritimers by Maritimers  
[www.maritimeamateur.ca](http://www.maritimeamateur.ca)

### News from the Halifax ATS: April 2018

*The Halifax Auxiliary Telecommunications Service, or **Halifax ATS**, is an operational vehicle through which HARC contributes to emergency telecommunications when a man-made or natural disaster strikes our community. This service is a joint effort of amateur radio clubs in the Halifax region and functions under the direction of the Halifax Emergency Management Office (EMO).*

**NEWS:** I am back from two months in Mexico! During my time away, I did not write my regular HATS column, but with this issue of the *Reflector* I am again picking up the thread. While I was away, there were several threats to normal communications from extreme winter storms, particularly a series of strong *Nor'easters*. However, these did not turn into full blown emergencies.

On 1 March Erica Fleck assumed the position as HRM's Division Chief for Emergency Management, replacing Barry Manuel who has now retired. There is a story about Erica and her impressive qualifications elsewhere in this edition of the *Reflector*. We welcome her leadership & vision and look forward to working with her in continuing to build a strong emergency management capability in this region.

On 15 March a meeting was held to discuss an improved mode of operating in emergency situations. This involves designating a qualified Com-A leader to serve daily as the Duty Officer and lead contact with

EMO. This will be a more efficient and reliable structure to support emergency activation by EMO than in the past. This requires a strong pool of qualified Com-A members. At the meeting, there was an excellent expression of interest in performing this role from 7 or 8 Halifax ATS members. If you were not there and wish to be considered, let Tom Caithness or I know.

The HARC monthly meeting on Wednesday 18 April will feature Bob Robichaud, VE1MBR, who is a meteorologist with Environment Canada. He will give us a very relevant *Primer on Weather and CanWarn!* Don't miss this meeting. An invitation for us to demonstrate Amateur Radio at Scott Manor House, a Bedford heritage property and museum, resulted in us broadening the idea to combine a public awareness event and a training exercise. During our 6 – 8 July event, we will use the opportunity to test our Halifax ATS communications networks and practise passing messages. We will be looking for other opportunities to simulate a field operation and to raise public awareness about amateur radio and emergency communications.

#### UP COMING EVENTS:

- 11 April (Wednesday) at 1000 hrs. EMO – Radio Advisory Group Meeting at the Eric Spicer Building on Mt Hope Drive in Dartmouth.
- 18 April (Wednesday) at 18:30 hrs. – HARC Monthly Meeting at St. Andrews's Community Centre. Location to be determined.
- 28 April (Saturday) at 0900 - 1300 hrs. – presentation of an ICS-100 course by Don Mosher, VE1DRM

- 6 – 8 July – A public information display of amateur radio emergency communications and training exercise at Scott Manor House in Bedford

**ACTION:** The Incident Command System (ICS) is a standard emergency management system used by EMO and its constituent organizations, including the Halifax ATS. Thus, learning about this system is an essential training component for all our members. The beginning course is ICS-100 and introduces you to the terminology and essential features of the ICS System. We will hold a ICS-100 training courses on Saturday, 28 April from 0900 – 1300 hours at a location to be determined. There is also a **free** on-line course that can be taken, and for which a certificate of completion is awarded electronically. If you want to take the training on-line, Tom Caithness, our Training Officer, can provide you with the URL and a necessary access code. You can contact him at

tom.caithness@ns.sympatico.ca

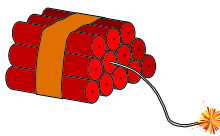
Do you want membership information? Please contact Dave Musgrave, VE1EDA. He is our membership officer and will see that you get the necessary information and application forms. His contact information is via email: veleda@bellaliant.net

73 de Scott Wood, VE1QD  
Coordinator, Halifax Auxiliary Telecommunications Service (ATS)  
Email: scott.ve1qd@gmail.com  
Tele: 902 823-2191 (h)

#### Darwin Award Nominee -

*Paul Stiller, 47, and his wife Bonnie were bored just driving around at 2 A.M. so they lit a quarter stick of dynamite to toss out the window to see what would happen.*

*Apparently they failed to notice that the window was closed.*



*Golf can best be defined as an endless series of tragedies obscured by the occasional miracle, followed by a good bottle of beer.*





**HALIFAX AMATEUR RADIO CLUB MEMBERSHIP - For 2018**

☐ 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)

☐ 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 and Telephone# \_\_\_\_\_.

Fees: ☐ Full Member, must be a licensed Amateur (\$30.00)   ☐ Associate member (Non-Voting) (\$20.00)

☐ Family membership: \$30.00 for first member + \$20.00 each additional. Amount submitted \$\_\_\_\_\_.

Please Note: the HARC membership year runs from January 1 to December 31.

Mail to: Membership Chair Jim Calvesbert, VE1PPA

Halifax Amateur Radio Club

P.O. Box 8895

Halifax, N.S. B3K 5M5

Please fill in method of Payment: (Cheque or Cash or Interac e-transfer)

.....  
 ....If you are using Interac e-transfer to pay, please follow the instructions on the Membership page (reproduced below) for emailing this

Are you currently a RAC member?

**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 Jim Calvesbert, VE1PPA, our Membership Chair'man at jim.calvesbert@gmail.com and cc: Jim Guilford our Treasurer at jimguilford@gmail.com... with either a scanned or photo of your 2018 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 Guilford receives the money and has deposited it to the HARC account, he will confirm with you by email and he will cc: to Jim Calvesbert.

4) Jim Calvesbert will then issue a 2018 e-Membership Card (by email) confirming that your 2018 membership has been paid.