



The Halifax Amateur Radio Club

# REFLECTOR

PO BOX 8895  
HALIFAX NS  
B3K 5M5

May 2019, Volume 80 Number 5  
club web site is [www.halifax-arc.org](http://www.halifax-arc.org)



**Access to the HARC facilities at Station 50 is by Card.  
See Page 3 to Address Card Access Problems**

HARC Club Station phone number - 902-490-6421

## Executive

President - Bill Elliott, VE1MR	865-8567	<a href="mailto:bowser.elliott@ns.sympatico.ca">bowser.elliott@ns.sympatico.ca</a>
First V.P. - Jason Ingraham, VE1PYE	292-9924	<a href="mailto:VE1PYE@bellaliant.net">VE1PYE@bellaliant.net</a>
2nd V.P. - VACANT		
Secretary - Roger Stein, VA1RST	403-3738	<a href="mailto:burch.craft@gmail.com">burch.craft@gmail.com</a>
Treasurer - Bill Simm, VA1ALW		<a href="mailto:williamrham@live.ca">williamrham@live.ca</a>
Member-at-Large: -Tim Delaney, VA1TIM		<a href="mailto:kimdelaney@ns.sympatico.ca">kimdelaney@ns.sympatico.ca</a>
Station Manager: - Brian Allen, VA1CC	489-4656	<a href="mailto:basailor@eastlink.ca">basailor@eastlink.ca</a>
Past President - Jeremy Fowler, VE1JHF	240-4302	<a href="mailto:ve1jhf@gmail.com">ve1jhf@gmail.com</a>
Director Emeritus - Bill Elliott, VE1MR	865-8567	<a href="mailto:bowser.elliott@ns.sympatico.ca">bowser.elliott@ns.sympatico.ca</a>

## Committees/Offices/Prime Contacts

Government & Media Relations - Gary Murphy VA1GGM, 461-9416

QSL Bureau Mgr - Murray MacDonald (VE1BB)		<a href="mailto:garygmurphy@gmail.com">garygmurphy@gmail.com</a>
EMO Coordinator - David George, VE1AJP	466-8723	<a href="mailto:twomacds@ns.sympatico.ca">twomacds@ns.sympatico.ca</a>
EMO Trailer coordinator - David Musgrave, VE1EDA	435-4333	<a href="mailto:dgeorge@dal.ca">dgeorge@dal.ca</a>
Reflector editor - Lynn Bowser, VE1ENT	865-8567	<a href="mailto:bowser.elliott@ns.sympatico.ca">bowser.elliott@ns.sympatico.ca</a>
Reflector Hardcopy Dist. - Jeremy Fowler, VE1JHF	240-4302	<a href="mailto:ve1jhf@gmail.com">ve1jhf@gmail.com</a>
Membership - Jim Calvesbert, VE1PPA		<a href="mailto:jim.calvesbert@gmail.com">jim.calvesbert@gmail.com</a>
Reflector electronic Dist.; Jim Calvesbert, VE1PPA		<a href="mailto:jim.calvesbert@gmail.com">jim.calvesbert@gmail.com</a>
Web site content Manager - Brandon Fowler, VE1BMF		<a href="mailto:bmfwolwer95@gmail.com">bmfwolwer95@gmail.com</a>
Basic ham course - Jason Ingraham, VE1PYE	292-9924	<a href="mailto:VE1PYE@bellaliant.net">VE1PYE@bellaliant.net</a>
2019 Flea market Chair - George Snow, VE1CAW		<a href="mailto:ve1caw@gmail.com">ve1caw@gmail.com</a>
2019 Field Day Coordinator - Dick Grantham, VE1AI		<a href="mailto:rgrantham@ns.sympatico.ca">rgrantham@ns.sympatico.ca</a>
Safety Officer - Pat Kavanaugh, VE1PK		<a href="mailto:ve1phk@rac.ca">ve1phk@rac.ca</a>
VA1MMA Project Manager - Dick Grantham, VE1AI		<a href="mailto:rgrantham@ns.sympatico.ca">rgrantham@ns.sympatico.ca</a>
NSARA Director - Bill Elliott, VE1MR	865-8567	<a href="mailto:bowser.elliott@ns.sympatico.ca">bowser.elliott@ns.sympatico.ca</a>
Honorary Legal Counsel - Paul Radford, VE1ARH		

## Non Club Contacts

RAC Atlantic Director - Dave Goodwin, VE9CB	<a href="mailto:ve9cb@rac.ca">ve9cb@rac.ca</a>
RAC Section Manager - Dave Hull, VE1HUL	<a href="mailto:d.hull@ns.sympatico.ca">d.hull@ns.sympatico.ca</a>
RAC Assistant Director for HRM Scott Wood, VE1QD, 823-2191	<a href="mailto:ve1qd@rac.ca">ve1qd@rac.ca</a>

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

**The May 2019 General Meeting** of the Halifax Amateur Radio Club will be held Wednesday, May 15, in the training room at Fire Station 50 in Hammonds Plains. Please see information on page 3 about parking, etc.

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

7:00-8:00pm - Presentation: Working Two Meters with High Altitude Ballooning  
Presenter: Al Penny, VO1NO

8:00-9:00pm General Business Meeting

Guests are welcome

*When Insults Had Class.*  
"Why do you sit there looking like an envelope without any address on it?"  
-Mark Twain

**Deadline for submissions to the June Reflector is Saturday June 8, 2019**

## 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

## Take-15 Net Controllers

This will be the rotation. We need more net controllers.

**If you want to join,** let Bill Elliott, VE1MR, know.

May 12	Bill	VA1ALW
May 19	Cam	VE1BIT
May 26	Peter	VE1WIN
June 2	Gary	VA1GGM
June 9	Bill	VA1ALW
June 16	Cam	VE1BIT



## HAZARD ALERT

March 20 at the HARC meeting I parked in the rear of the station 50 lot....behind the junked cars.....this morning I had 2 flat tires....big chunks of metal in the tires. Be warned for now until we or the city get that area cleaned up.

Dick, VE1AI



*Event for Your Calendar*

The CNPOTA Event is supported by Radio Amateurs of Canada and Parks Canada and will run from 00:00 UTC January 1, 2019 until 23:59 UTC December 31, 2019.

The Newbie Round Table will be on hold until May 5th at 2100hrs on a MAVCOM repeater near you

May 26 – the MS Walk, Doug, VE1LDL is the co-ordinator, contact Doug at [ve1ldl@uahoo.ca](mailto:ve1ldl@uahoo.ca)

June 15 – Car rally, Jason, VE1PYE is the co-ordinator, contact Jason at [ve1pye@bellaliant.net](mailto:ve1pye@bellaliant.net)

June 22, 23 – ARRL Field Day  
Co-ordinator, Dick Grantham, VE1AI at [rgrantham@ns.sympatico.ca](mailto:rgrantham@ns.sympatico.ca)

July 27-28 – the MS Bike Tour  
To help out, contact Sheldon Page at [sheldon.page@gmail.com](mailto:sheldon.page@gmail.com)

July 27-28 (the last full weekend of July) – IOTA (Islands On The Air)

August 11 Ledwidge Lookoff Rally  
To help out, contact Jason, VE1PYE at [ve1pye@bellaliant.net](mailto:ve1pye@bellaliant.net)

### THE HALIFAX ARC FLEA MARKET

**WHEN** – Saturday May 25<sup>th</sup> 2019

**WHERE**- Same location as last year  
The Royal Canadian Legion  
45 Sackville Cross Road  
Lower Sackville

#### TIME

Sellers may set up after 8 AM  
Buyers allowed in after 10 AM

#### GENERAL ADMISSION

Buyer - \$5.00

Seller - \$10.00

Which includes a 3' X 6' selling space - some with power

Space is limited so book your table as soon as possible.

Contact Fraser MacDougall  
[ve1wo@eastlink.ca](mailto:ve1wo@eastlink.ca)  
Phone : 902-406-5327

Buyer entrance tickets will be pre-sold before 10 AM

Talk in frequency  
146.970 - VE1CDN



Canadian  
**National Parks**  
ON THE AIR **2019**



### CNPOTA 2019

The Canadian National Parks on the Air (CNPOTA) software development team of Sheldon Hartling, VE1GPY, Doug McComber, VE1FAL, & Ryan Hickman, VO1RCH, worked diligently through the second half of 2018 and into the December holidays to get the [cnpota.ca](http://cnpota.ca) website ready for its January 1 launch. This turned out to be just-in-time, with a number of very keen participants jumping onboard to activate parks at 00:00Z on January 1!

The dedicated [cnpota.ca](http://cnpota.ca) website will accept log files generated by most Amateur Radio logging programs in both ADIF & Cabrillo formats. So far, most of the logs received have been in ADIF format.

All participants – chasers & activators – are encouraged to upload their log files as soon as possible. There are many eyes closely following the 3 CNPOTA leader boards waiting for confirmation of their recent activity.

The newly-developed software used to upload log files, confirm track contacts, accumulate statistics, and report progress in the leader boards is proving its mettle. The site is working very well; so far, only a few minor refinements have been needed.

Speaking of refinements, there have been a few rule changes made to accommodate feedback & suggestions from participants.

1) Reported QSO times must now be within 10 minutes of each other to be confirmed.

2) Canadians may now make QSOs for chaser credit while in the United States as well as in Canada. This is a change to Rule 10(iv) which allowed Americans to work both countries but restricted Canadians to just Canada. You might call this the “snowbird” rule.

3) More than one call sign can now be used during an activation with the same equipment and antennas provided:

a) each call sign makes its own contacts;

b) separate logs are maintained and submitted for each call sign;

c) once a call sign is changed it cannot be changed again for 30 minutes.

This should allow for some friendly competition between the husband/wife teams that requested this change.

A reminder: We’ve been asked by Parks Canada to remind Activators that “they must operate independently. Parks Canada cannot provide power sources for their equipment nor be expected to allow them to do any kind of formal interpretation at any of Parks Canada’s Sites”. Parks Canada has already received these kinds of requests.

This is turning out to be a fun activity and there’s still time for you to be a first activator for one of the 205 remaining units!

Alan Griffin, TCA Editor/MarCom Director

The 2019 ARRL National Convention at Dayton Hamvention® is Friday, May 17, through Sunday, May 19, at the Greene County Expo Center, 120 Fairgrounds Road, Xenia, Ohio, sponsored by the Dayton Amateur Radio Association. [I am hoping to meet and greet readers at Dayton in just a couple of months.

Proofreading is a dying art, wouldn't you say? ?

Panda Mating Fails; Veterinarian Takes Over

*What a guy!*

*!If Strike Isn't Settled Quickly, It May Last Awhile*

*Ya think?!*

**PRESIDENT'S MESSAGE for May, 2019**

Happy Spring, the warmer weather is finally here. Two events are coming soon. The MS Walk will need some help, please see page 2 for the co-ordinator contact information. This event is easy and all you need is a handheld radio to participate in a public service event. Please consider giving up a few hours of your time on Sunday May 26.

The ARRL Field Day is June 22 and 23 with set up on Friday, June 21. See page 2 for the co-ordinator contact information. People will be needed for set up on Friday and take down on Sunday afternoon. Operators are always welcome, schedule your operating with the respective team captains. People will also be needed for tasks such as bonus point co-ordinator, helping with the Get on the Air (GOTA) station as coaches, and various other tasks. Field Day will be held at Station 50 this year and we will be operating in the 2F class. This will be the first Field day at our new club station and we want to make it a success and showcase it to EMO. If you are new to the hobby or have not been to a Field Day come out and see what it is all about.

73 - Bill Elliott, VE1MR, President of the HARC

**CARD ACCESS PROBLEMS**

All cards must be used within the 90 days of issue or they become "locked out". All card holders are to use their cards on entry as opposed to being let in, or an open door.

If after initial use and then you don't use it within another 90 days you will also be "locked out".

If you are locked out, PLEASE CALL THE NUMBER ON THE BACK OF YOUR CARD WHICH IS 7/24- GIVE YOUR NAME AND CARD NUMBER AND YOUR LOCATION AND THEY WILL RESET YOUR PASS.

**HARCs NEW CLUB LOCATION**

Is Fire Station 50 in Hammonds Plains. In the beginning, we will have to man the door to let people into the building until we have members registered and have passes issued.

There is a flight of stairs (about 15 steps) to get to the second floor where the training room and club rooms are.

Parking may also be limited. We do not yet know how many cars we can get in the rear parking lot. We will probably have someone directing parking. **One very important parking note is not to park in front of the equipment bay doors or use any of the marked spaces on the paved portion.**

The station is manned Monday through Friday but is volunteer at all other times and the volunteers need to be able to easily park if they are called out.

If the parking area at the rear of the station is full there are a couple parking areas very nearby.

*Your job won't take care of you when you are sick. Your friends and parents will. Stay in touch.*

**Silent Key**

Stewart (Skip) Duffie May 2, 2019  
<https://www.arbormemorial.ca/coleharbour/obituaries/stewart-skip-duffie/33574/>

**Amateur Radio Installations at CFTA Community Radio**

From Jim VE1JBL Apr.12th

Mike Johnson, VE1MWJ, Jim Hannon, VE1AFH & Jim Langille, VE1JBL were on tour today completing amateur radio installations at CFTA Community Radio in Amherst & the Westchester Fire hall. At 10am we arrived at CFTA to run new cable from the amateur radio station VE1TCR and the antenna was moved from the attic to the tower. Ron Bickle, VE1BIC, station Manager was there to help us with the installation. Thanks Ron.

After lunch thanks to Mike we proceeded to Westchester to install an antenna and run cable to the amateur radio station that was installed a couple of weeks ago. After completed we made contact with Mike Embree VE1MY who gave us a great audio report. We also found we could hit several repeaters from this location including Parrsboro, Moncton, Charlottetown and Truro. Clearly a great location for amateur radio. We packed thing up around 6pm and headed home.

Cumberland REMO along with the WestCumb ARC have now completed 10 volunteer fire departments in Cumberland with one to go in Wallace. This will be completed soon which will finish this project.

The other project with the 4 hospitals in Cumberland County were completed a few years ago.

Other amateur radio stations will continue to be installed around the county this year. More information on those coming soon.

From <https://www.westcumb.ca/news-info>



## VE1HCA REPEATER BACK ON THE AIR

The VE1HCA repeater (146.910 -) died in 2018 due to high SWR on the feed line to the antenna. It is suspected the feed line was damaged when the water tower was repainted. The best option (least cost) was to remove the repeater and relocate it to the Willow Hill NSIMRS site.

Investigating the original repeater and 45 Watt Power Amplifier it was decided the original Power Amplifier was not easily repaired. The decision was made to start fresh with a different unified chassis and use a 100 Watt Power Amplifier. The exciter and receiver boards were transferred to the newer chassis. This was tested with the 100 Watt PA and is working well with the PA set to about 85 Watts output. The original interface cable to the controller was removed and replaced with a new one conforming to the standard wiring colours used for most controller interfacing.

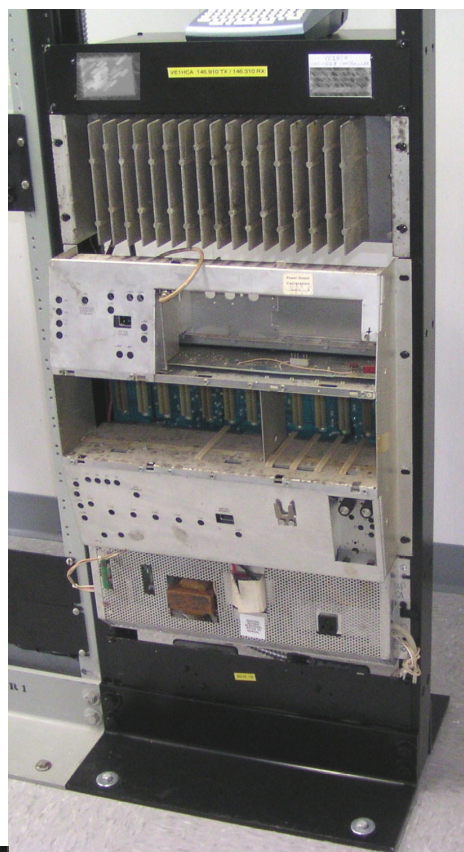
On investigation the +13 VDC power coming in on the interface cable was bypassing the filter and fuse so a trace was cut and a wire jumper installed between the incoming power and the + of the original power receptacle. This now powers the controller the proper way with the internal fuse in the circuit.

We received permission to install this repeater at Willow Hill in late April, 2019. On May 4, 2019 a work party was gathered and went to the site for the installation. We installed the equipment rack in the approved location and grounded to the ground buss in the approved manner. The AC power cable was run to the rack and an AC panel installed in the bottom of the rack. The multi couplers were pre-tuned so installation in the approved location was a simple matter. The refurbished Motorola Micor VHF repeater was installed in the rack along with the repeater controller. The controller was pre-programmed during testing. The controller to repeater interface cable was connected and the RF cables were run and terminated then dressed and fixed to the cable tray. An initial check was made on a dummy load and everything seemed to be working as it should with the correct pre set power output. The repeater was then put on the air and initial testing looked good.

During the next few hours extensive coverage testing was carried out. The results were beyond expectations. Mobile coverage toward Lower Sackville and down the 103 highway to Mahone Bay was good and hand held coverage was tested from downtown Windsor, Beaver Bank and Fall River area with very good results.

Many thanks for the preparation by Bill Elliott, VE1MR and Jason Ingraham, VE1PYE. Also thanks to the installation work party of Bill Elliott, VE1MR, Tom Cohoon, VE1TA, Jason Ingraham, VE1PYE and Ray Armstrong, VA1RAY. This was the fastest new installation we have ever done. We would also like to thank the Amateur Radio operators standing by to do coverage tests.

73 – Bill Elliott, VE1MR



Photos by Bill Elliott, VE1MR

*What do you do when you see an endangered animal eating an endangered plant?*

*Silent Key*

VE1SM - Peter Hebb

With regret, I wish to inform you of the passing of Peter/VE1SM, His obituary can be viewed at <https://www.arbormemorial.ca/campbells/obituaries/peter-allison-hebb/33382/>  
A tribute can also be found on <https://www.westcumb.ca/news-info>

*Silent Key*

VE9RN - Russell Nixon

With regret, I wish to inform you of the passing of Russell/VE9RN, His obituary can be viewed at <http://www.fergusonsfuneralhome.com/obituaries/133202>

From the ARRL website  
Hams Help Trace "Mystery" Signal Disrupting Keyless Entry Devices in Ohio - 05/07/2019

A recent article in The New York Times reported that many garage door openers and keyless vehicle entry fobs in an Ohio town near Cleveland mysteriously stopped working. While the article invoked The X-Files and hinted initially that a NASA research center somehow could be involved, the cause was not so much mystifying as arcane.

"Garage door repair people, local ham radio enthusiasts, and other volunteer investigators descended on the neighborhood with various meters," the May 4 article by Heather Murphy recounted. "Everyone agreed that something powerful was interfering with the radio frequency that many fobs rely on, but no one could identify the source."

More than a dozen residents reported intermittent issues getting their key fobs and garage door openers to operate, and most lived within a few blocks of each other. At one point, the local power utility started shutting off power to areas where the strongest RF signal was detected, but the signal persisted. Dan Dalessan-

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### FCC Petition RM-11831 Threatens Amateur Digital Operations Like Winlink

April 5, 2019--The FCC has opened for comment RM-11831, a proposal for rule making that would do two things the the US amateur radio rules:

1) remove paragraph (c) of 97.221. This would disallow narrow-bandwidth ARQ modes of 500 Hz or less from outside the specified 97.221 sub bands for automatically controlled digital stations. This will require all US Winlink HF gateway stations, regardless of mode/technique, to only operate within these narrow sub bands.

2) modify the wording of 97.309(4) thusly:

(4) An amateur station transmitting a RTTY or data emission using a digital code specified in this paragraph may use any technique whose technical characteristics have been documented publicly, \*such as CLOVER, G-TOR, or PacTOR,\* (remove \*-\*, add the following:) and the protocol used can be be monitored, in it's entirety, by 3rd parties, with freely available open source software, for the purpose of facilitating communications.

This effectively eliminates Pactor 2, 3, and 4 from the US amateur bands unless SCS steps up and publishes complete technical specifications, including their proprietary signal processing methods, and produces an open-source monitoring program

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

Please show "For Reflector" on the "Subject" line so I don't miss it  
Thanks ! .-ed

allowing on-air eavesdropping by third parties (not likely).

The Winlink Team will have to produce monitoring software for an unconnected eavesdropper for WINMOR, ARDOP. VARA's author must do the same. The alternative is for Winlink to close shop for US licensees on HF amateur bands, or to eliminate B2F compression for messages sent by US-licensed amateurs. This will cause US users of all modes to suffer much longer transmission times by a factor of 2-10 times. Limits would not be placed on other users.

See & read the new proceeding from the link below. The 30-day comment period opened on 28 March. We have prepared a document containing useful arguments you may paraphrase for your comment filing. The formal ARSFI Motion to Dismiss RM-11831 and Petition for Rule-making is also here for your review.

[https://www.fcc.gov/ecfs/search/filings?proceedings\\_name=RM-11831&sort=d...](https://www.fcc.gov/ecfs/search/filings?proceedings_name=RM-11831&sort=d...)

Unless we receive support from users on this serious threat, Winlink may be forced to close shop on HF in the USA. US and non-US users and gateway operators are urged to educate themselves and file a comment soon!

Sincerely,

Lor Kutchins, W3QA

Winlink Development Team

President, Amateur Radio Safety Foundation, Inc.

*Silent Key*

VE9WR - Elliott Russell

With regret, I wish to inform you of the passing of Elliott/VE9EWR, His obituary can be viewed at <https://www.arbormemorial.ca/fairhaven/obituaries/elliott-w-russell/33309/>

RAC's web site is [www.rac.ca](http://www.rac.ca)

## Halifax Amateur Radio Club Minutes of the HARC Monthly General Meeting 17 April 2019

1. Welcome to the HARC monthly meeting for April 2019: The meeting was called to order by Bill VE1MR at 2004

### 2. Report of any Silent Keys:

March 1, 2019 - VE9TM,

Travis McCluskey, Riverview, NB

March 21, 2019 – VE9NG,

Neil Goldberg - Bay du Vin, NB

March 26, 2019 – VE1AJI

Michael Koval – Saint John, NB

April 12, 2019 – VE9RN,

Russ Nixon – Moncton, NS

3. Roll Call: 27 members and visitors were in attendance.

4. Acceptance of the Agenda presented: It was moved to accept the Agenda by Brian VA1CC, seconded by Fred VE1FA, motion carried.

5. Approval of Minutes of 20 March 2019 as printed in the Reflector: It was moved by Doug, VE1LDL to approve the minutes, seconded by Fraser VE1WO. Motion carried.

6. Correspondence: Roger, VA1RST reported that HRM acknowledged receipt of the 2019 Community Grant request. HARC will be notified in writing after adoption of the HRM 2019 budget as to the outcome. There were also returned QSL cards due to bad addresses or Silent Keys. QST magazine arrived

7. President's Report: As printed in the March Reflector and repeated here:

Time is passing quickly and I hope Winter is almost over. The HARC activity year started with Guides on the Air (GOTA) and the Ham breakfast in February. There are other upcoming events such as a HATS exercise in mid March and the 20th annual Shearwater Spring Hobby Show in early April.

The parts are ordered to repair the

reflector element of the HF beam. Once those are in and reassembled there will be a small work party to reinstall the element & swing the 900 MHz beam to Riverlake JEM.

The remote station is operational and by the next meeting the keypads for the radio room and office should be working. The manual & automatic antenna switching is now fully operational and only needs some labelling to be complete. Funding is underway for upgrading the radios and computers in the radio room but that will probably be several months away.

There is still a need for members to step forward to help out with various events and tasks. Notably the Hobby show and weekly radio checks. Please consider donating a few hours of your time.

Another item that may be slipping through the cracks is the time & mileage you volunteer. Some volunteer hours are likely to be in support of EMO and reportable as volunteer hours and any mileage involved.

You may ask, 'are an hour or two and a few kilometres going to make a real difference?' If 20 people think this, then that may be 20 hours and 400 km volunteered in a particular month that is not reported. This thinking can lead to missing out on 240 volunteer hours and up to 5000 km. Even the time to fill out the form is countable - you may not use more than 15 or 20 minutes for the report but that can be reported every 3 or 4 months as 1 more volunteer hour. Some months you may not have enough to report but small amounts of accumulated time & mileage can be reported later. This reporting is one way to justify the support we have from EMO.

8. Treasurer's Monthly Report: Bill VA1ALW There was an opening bank balance for 1 March 2019 of

\$8,290.62. Total income for the month of March was \$523.00. With expenses of \$51.62. The closing bank balance as of March 30 was \$8,732.00.

Bill VE1ALW moved to accept the report; Sheldon VE1GPY seconded. Motion carried.

### 9. Other Executive Reports:

Jason VE1PYE reported 8 people passed the Basic exam, the second exam will be given this weekend, April 24<sup>th</sup> here at Station 50.

### 10. Committee, Event and Special Projects Reports

Membership Report – Jim, VE1PPA reported there are 89 Full members, 20 Associate members, 4 Life members and 20 complimentary members for a total of 131. Not renewed from 2018 are 36 (including 9 from the Basic Class which means 25 full or associate members from 2018 have not yet renewed.

EMO – Dave George, VE1AJP absent, Bill VE1MR reported on the EMO volunteer appreciation ceremony held on April 13<sup>th</sup>. A fair number attended either as HARC, HATS or search & rescue members. Certificates for service with the longest being 40 yrs was Daryl Hayes VE1BTQ, from Musquodoboit Harbor was given out by Mayor Mike Savage as well as the 35, 30, 25 year certificates. Some of the Councillors gave out the 20, 15, and 10 year certificates. The Fire Chief gave out the 5 year certificates. Attendance was great with over 100 people, a full house, maybe half a dozen certificates were not given out.

Search & Rescue - Dave George, VE1AJP absent, it was reported that a short search for a 79 year old female, who had been missing for several hours took place. She was located and OK.

Station Manager Report – Brian VA1CC reported that the Mosley beam parts have arrived, Don Mosher

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*Minutes (Continued from page 6)*

has parts in storage. There appears to be an intermittent antenna selection relay when running the remote setup. As a side note, Brain reported that he administered the Advanced Exam to an employee of Industry Canada, Matthew Jenson, who passed with a 98 via self study! Bill VE1MR noted that inspectors from Industry Canada are required to have an Amateur license.

**HATS** – Scott, VE1QD **Halifax Auxillary Telecommunication Service**, is embedded into the Municipality to call out to participating amateur radio operators to assist in times of emergency or other need to assist in auxilliary communications. The Steering Comm will have a general meeting on the 24th at Station 50. A General Meeting will be held at Station 50 on May 2 at 7pm, with a speaker. Larry Hicks who is on the HATS Steering Comm and Vice President of Engineering at Intertalk – ‘Critical Communication Systems’ to talk about new technology, hardware & software coming down the pipeline.

During emergency pre-paredness week, May 6<sup>th</sup> – May 12<sup>th</sup>, operation will be from MMA with all equipment capability being tested as an exercise for HATS. Scott reported that he is looking for some photography minded members to record events.

#### Other reports

**MMA** – Dick VE1AI, absent, A combined report from Scott VE1QD & Bill VA1ALW reported that MMA will start staffing the 1<sup>st</sup> week of May on Mondays and Thursdays for the cruise ship season. 192 cruise ships are expected this season. The March break period was very

successful.

**Field Day** - Dick VE1AI, absent, others discussed. Set up will be at Station 50. A **prime publicity event** with a Get on the Air location most likely across the street, with phone and CW stations separated, a combination

All the new licensed hams will be invited to attend by Jason VE1PYE.

**Parks on the Air** - Sheldon VE1GPY reported a slow start for Canadian National Parks on the Air this year due to the cold weather. A couple of operators from the Valley have been out activating some of the sites. Check out the Website <https://cnpota.ca> to sign up and get a wealth of information on how to be involved in this endeavor and of course HARC's own Sheldon VE1GPY can assist you!

Sheldon gave a report on some of the activators and participation levels to achieve valid park or historic site activation via voice SSB, FM, Digital, CW.

There are some very active and involved activators!

#### 11. Old Business:

- a) Fund raiser – The Bay Treasure Chest – still no word back yet
- b) Advanced course: Jason VE1PYE reported 13-14 inquired, the Advanced books have arrived, 30 more inquires for another Basic!

#### 12. New Business:

- a) We need a Club QSL manager for VE1FO, VE1FQ to handle Field Day card requests and any other QSL card needs.
- b) An **MS Walk organizer is needed** for May 26<sup>th</sup>. Jeremy VE1JHF, has done this in the past though has been busy with personal family obligations as of late.

c) **The Flea Market is May 25. Get your stuff ready to sell and or get ready to pick up new old stuff!**

13. **Round Table** - Member News: the **brief** sharing of important personal news.

a) Helen, VA1YL reported about the amateur radio article in the Chronicle Harold.

b) SMART will be on April 26 in Springhill NS.

c) Craig VE1JMA reported on the Hobby Show held at Shearwater. Winlink was demonstrated. We need to have something more visual; it's a hard sell.

Thanks to these – Brian VA1CC, Jeremy VE1JHF, Doug VE1LDL & a friend, Rob Stiles, who helped out. It was a fun weekend.

d) Greg VE1GFX, Scott VE1RSJ, new hams from the class were introduced tonight to much applause!

e) Fraser VE1WO reported on Flea Market Selling space, 55 tables available, they are 6 feet long. A selling space is \$10. 26 have been spoken for. Contact Fraser VE1WO to reserve spot, a few of the spaces have power. To be held at the Sackville Legion, canteen will be available.

f) A question was raised about where to get HARC call letter name tags, clarifications were presented – best to e-mail Jeremy VE1JHF.

14. **50:50 Draw:** \$59.00 was collected tonight, draw ticket #235 Murray VE1BB won \$29.50!

15. **Motion for Adjournment:** The meeting was adjourned at 2055 Hours on a motion by Fraser VE1WO.

Respectfully submitted by  
Roger Stein, VA1RST, HARC Secretary

To make the most of **our web page** please send photos, notices of events, and ham radio news items, etc. to Web Site Content Manager - Brandon Fowler (VE1BMF) at [bmfwlower95@gmail.com](mailto:bmfwlower95@gmail.com)

*The hardness of the butter  
is proportional to  
the softness of the  
bread.*



Visit: <http://spaceweather.com> for information about space weather that affects radio propagation.

**From the Mail Bag**

From: Harvey, Madeline (PC)  
 Sent: April 8, 2019 8:55 AM  
 To: Doug Grace 2017 Computer  
 Subject: Did you see this video?  
<https://www.youtube.com/watch?v=NZpugjtJU7M&feature=youtu.be>

Madeline Harvey  
 National Historic Site and Visitor  
 Experience Manager,  
 Alexander Graham Bell National  
 Historic Site / Parks Canada  
 P.O. Box 159, Baddeck, NS B0E  
 1B0

madeline.harvey@canada.ca / Tel:  
 902-295-2069 / Tel cell: 902-294-  
 0818 / Fax: 902-295-3496



A police officer called the station on his radio.  
 "I have an interesting case here. An old lady  
 shot her husband for stepping on the floor she  
 just mopped."

"Have you arrested the woman?"  
 "Not yet. The floor's still wet."

**The Atlantic Amateur**

Ham Radio  
 for the **Atlantic Provinces**  
[www.atlanticamateur.ca](http://www.atlanticamateur.ca)

*The irony of life is that, by the time  
 You're old enough to know your way  
 around, you're not going anywhere.*

Below is a list of gear recently donated to the club. If you are interested in anything on this list please contact an executive member. The condition of all this gear is unknown, we have not had a chance to test any of it yet. If no interest is shown in a particular piece of equipment then it may be taken to the flea market May 25. There are 2 of the variacs currently with no model number and 2 of the Heathkit SB610

NYE VIKING	RANGER	
SWAN	250	SSB/AM 6 Meter Transceiver and XC117 power supply
HALLI-CRAFTERS	S-120	General coverage receiver
HEATHKIT	SB-610	Monitor Scope
HEATHKIT	SB-620	Scanalyzer Scope For Ham Radio
HEATHKIT	HO-13	Ham-Scan Ham Radio Monitor Scope
GONSET	G-63	HF+ 6M Amateur Band AM/SSB/CW Receiver
Electrovoice	630	Desk microphone, hi-z
SWAN		Desk microphone for the Swan 250, hi-z
Central	100V	Amateur Transmitter
Electronics		
General Radio	W10MT3A	Variac in case with volt meter and watt meter
General Radio		Variac in case, no meters
Clegg	FM-28	2M mobile transceiver with microphone
Clegg	FM-27B	2M mobile transceiver
Realistic	HTX 100	10M mobile transceiver with microphone
Panasonic	CF-25	Toughbook laptop, Pentium
Collins	DL-1	Dummy load 50 ohm
Collins	Magnum 6	Speech processor
Kenwood	TR-2200A	2M mobile transceiver, crystal
Palomar	PT-340	Tuner
Palomar	P-310X	Receive preamplifier
NYE VIKING	SSK-1-K	Keyer
Heathkit	HD-1416	Code oscillator
Belkin		Data switch with printer cable
Armaco	M603	Dynamic microphone
		Fan
Clegg	FM-DX	2M mobile transceiver
Clegg	011	Power supply

(Continued from page 5)

dro, WB8ZQH, a TV repairer, was among several hams who investigated. He initially picked up "little blips" on a signal detector, but finally, on one block and at a particular house, the signal was quite loud.

"The source of the problem was a homebrew, battery-operated device designed by a local resident to alert him if someone was upstairs when he was working in his basement," the Times reported. "It did so by turning off a light." The individual, who, the article said, has special needs, was not identified for privacy concerns. The inventor, who had no malicious intent, had no inkling that his device was wreaking havoc on the neighbourhood until a North Olmstead City Council member and a volunteer knocked on his door. The device operated on 315 MHz, the frequency many keyless-entry devices use under FCC Part 15 rules. The device's battery was removed, the signal stopped, and all who were involved breathed sighs of relief.

Quote By George Burns - May 29, 1903 - July 27, 2003

*ON GOLF 'Golf is my profession. Show business is just to pay the green fees.'*



**HATS NEWS: May 2019**

*The Halifax Auxiliary Telecommunications Service (HATS) is an operational vehicle through which HARC and DARC contribute 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 Emergency Management Division of Halifax Regional Fire and Emergency (HRFE).*

The **Appreciation Celebration** hosted by Emergency Management Division of HRFE on 13 April was a great success. Awards for periods of service were made to many HRFE-EMD volunteers, including HATS members, by the Mayor, several Council members and the HRFE Chief. We also were very clearly recognized by Division Chief Erica Fleck in her comments as MC for the event. David George, VE1AJP, spoke eloquently (and humorously!) on behalf of amateur radio with fascinating detail about our modes of operating and importance to the welfare of our community.

**Our Fifth General HATS Meeting** was held on Thursday, 2 May. Larry Hicks, VO1HL, a member of the HATS Steering Committee and VP Engineering for **InterTalk** Critical Information Systems provided an entertaining and inspiring insight into his company's leading-edge work in managing emergency communications with their dispatch technology and information systems. Also, Fraser MacDougall, VE1WO, who heads our **Emergency Threat Assessment Group (ETAG)**, reported on technical issues that can be a threat to communication systems as well as information on several recent disasters where amateur radio has played an important role.

The meeting provided an opportunity to finalize **plans for the HATS Field Exercise** which will take place at the Maritime Museum on Monday, 6 May and Thursday, 9 May in the Museum's **Wireless Room**. We will be making use of some of our new HATS display material when we set up our information table near the Wireless Room. We expect a wide range of visitors, including school groups, tourists from cruise ships and tour groups as well as the usual contingent of Canadians from Halifax Region and beyond.

Notice was given to the membership to expect a **surprise callout** sometime very soon. A memorandum will be circulated soon with known details and guidelines for preparations. We need to show off our best capability and efficiency in responding!

Planning is underway for a **new round of training**

**programs in the fall.** The initial step will be to assess what courses our current 41 members need in order to fully qualify for various roles in emergencies.

**UP COMING EVENTS:**

- Every Sunday at 1930 hrs. the WinLink Express Practice Net takes place on 146.685 MHz. Following check-in members exchange messages via Telenet or VHF. If you want more information about the net, please contact David Musgrave: [ve1eda@bellaliant.net](mailto:ve1eda@bellaliant.net).
- On 6 and 9 May Monday and Thursday from 1000 – 1600 hrs., during National Emergency Preparedness Week, a HATS Exercise will be held at the Maritime Museum of the Atlantic. Details were in memoranda sent to all members.
- 15 May (Wednesday) at 1000 hrs. the HRFE/EMO – Amateur Radio Advisory Committee Meeting at the Eric Spicer Building, 21 Mt. Hope Ave. In Dartmouth.
- 28 May Tuesday) at 1900 hrs. Exercise Handshake tests readiness of key communication nodes and individual HATS members stations.
- 22 – 23 June, Saturday and Sunday. The Annual ARRL Field Day, the premier North American emergency preparedness field exercise. This year HARC will operate from HARC facilities at Fire Station #50. Watch for more details.

**ACTION:**

Please make every effort to participate in our Field Exercise during National Emergency Preparedness Week and be prepared for a test callout sometime very soon.

I am still **looking for a volunteer** who is experienced with photography and can function as an **official HATS Photographer**. We need to do a much better job of documenting our activities in both visual images & words.

Remember to submit your **HATS monthly volunteer time and travel data for April** to Jim Calvesbert, VE1PPA – [jim.calvesbert@gmail.com](mailto:jim.calvesbert@gmail.com)

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: [ve1eda@bellaliant.net](mailto:ve1eda@bellaliant.net)

73 de Scott  
K. Scott Wood, VE1QD  
Coordinator  
Halifax Auxiliary Telecommunication Service (HATS)  
Email: [scott.ve1qd@gmail.com](mailto:scott.ve1qd@gmail.com)  
Tele: 902 823-2191 (h)

*"Why do we sing "Take me out to the ball game" when we are already there?"*

The NSARA website is at  
<http://nsara.ve1cfy.net>

*Money talks ... but all mine ever says is good-bye.*

**Brit Fader Scholarship**

This scholarship is granted in memory of Brit Fader, VE1FQ, by the Brit Fader Scholarship Trust, a Canada Revenue Agency registered charity whose trustees are appointed by the Halifax Amateur Radio Club. The first grant was awarded in 2008

Applicant must be a licensed Canadian radio amateur who has made

some contribution to amateur radio.

We prefer to receive donations to build an endowment by investing the principal and paying scholarships out of income. To do this, donations must be made on the basis of what Canada Revenue Agency calls a "10 year grant", which requires the donor to complete the simple authorization form (see below) and enclose with

your donation made payable to Brit Fader Scholarship Trust and mail to

Halifax Amateur Radio Club  
P.O. Box 8895

Halifax, Nova Scotia B3K 5M5  
Attn: Brit-Fader Scholarship Trust

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

**DONATIONS FOR BRIT FADER SCHOLARSHIP TRUST**

Since 1985 the Halifax Amateur Radio Club has sought to set up a scholarship fund for post-secondary technical education for ham radio license holders in honour of Brit Fader, an outstanding Nova Scotia radio amateur who died in 1990.

Brit Fader Scholarship Trust has been approved by Revenue Canada as a charitable organization. The Trust will issue official income tax receipts for all donations made to the scholarship fund.

We urge each club and each radio amateur to consider making a donation to the Trust.

Donations should be made payable to Brit Fader Scholarship Trust and be accompanied by the enclosed donation form. Send the enclosed form and your donation to:    Halifax Amateur Radio Club

P.O. Box 8895

Halifax, Nova Scotia B3K 5M5

Attn: Brit-Fader Scholarship Trust

**DONATION FORM - BRITT FADER SCHOLARSHIP TRUST**

I direct that the enclosed gift to the Brit Fader Scholarship Trust, Registration number 0984971-25 (and any property into which it is converted) be held for a period of not less than 10 years. This permits the Trust to keep my donation as capital and use the interest for scholarships.

Amount of Gift: \_\_\_\_\_ Date of Gift: \_\_\_\_\_ .

Name of Donor: \_\_\_\_\_ .

Address of Donor: \_\_\_\_\_ .

\_\_\_\_\_ .

Make cheques payable to BRIT FADER SCHOLARSHIP TRUST. (An Official Income Tax Receipt will be issued)

Signature of Donor \_\_\_\_\_ .

*"Any man who thinks he can be happy and prosperous by letting the government take care of him better take a closer look at the American Indian." -Henry Ford*