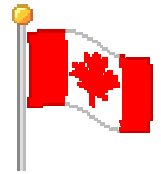




REFLECTOR



PO BOX 8895
HALIFAX NS
B3K 5M5

June 2019, Volume 80 Number 6
club web site is www.halifax-arc.org



**It's June!!!!!!
Everyone Have a Great Summer!!!!!!**

HARC Club Station phone number - 902-490-6421

Executive

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

Committees/Offices/Prime Contacts

Government & Media Relations - Gary Murphy VA1GGM, 461-9416
garygmurphy@gmail.com

QSL Bureau Mgr - Murray MacDonald (VE1BB) twomacds@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. - Jeremy Fowler, VE1JHF 240-4302 ve1jhf@gmail.com

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 - Jason Ingraham, VE1PYE 292-9924 VE1PYE@bellaliant.net

2019 Flea market Chair - George Snow, VE1CAW ve1caw@gmail.com

2019 Field Day Coordinator - Dick Grantham, VE1AI rgrantham@ns.sympatico.ca

Safety Officer - Pat Kavanaugh, VE1PK 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 - Dave Hull, VE1HUL d.hull@ns.sympatico.ca

RAC Assistant Director for HRM Scott Wood, VE1QD, 823-2191 ve1qd@rac.ca

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

The June 2019 General Meeting of the Halifax Amateur Radio Club will be held Wednesday, June 19, in the training room at Fire Station 50 in Hammonds Plains. Please see information on pages 2 and 3 about parking, etc.

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

7:00-7:45pm - Presentation: Field Day preparations
Presenter: Dick, VE1AI

8:00-9:00pm General Business Meeting

Guests are welcome

When Insults Had Class

*"He has no enemies, but is intensely disliked by his friends."
-Oscar Wilde*

Deadline for submissions to the September Reflector is Saturday September 7, 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 still need more net controllers. If you want to join**, let Bill Elliott, VE1MR, know.



June 16	Cam	VE1BIT	Aug. 4	Bill	VA1ALW
June 23	Peter	VE1WIN	Aug. 11	Cam	VE1BIT
June 30	Gary	VA1GGM	Aug. 18	Peter	VE1WIN
July 7	Bill	VA1ALW	Aug. 25	Gary	VA1GGM
July 14	Cam	VE1BIT	Sept. 1	Bill	VA1ALW
July 21	Peter	VE1WIN	Sept. 8	Cam	VE1BIT
July 28	Gary	VA1GGM	Sept. 15	Peter	VE1WIN

The older you get, the tougher it is to lose weight, because by then your body and your fat have gotten to be really good friends.

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.

June 15 – Car rally, Jason, VE1PYE is the co-ordinator, contact Jason at ve1pye@bellaliant.net

June 22, 23 – ARRL Field Day
Co-ordinator, Dick Grantham, VE1AI at rgrantham@ns.sympatico.ca

July 27-28 – the MS Bike Tour
To help out, contact Sheldon Page at 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

October 19 – Greenwood ARC flea market

HARC Summer Pizza Gatherings at the HARC club station

17 July

21 August



From The Atlantic Amateur May 31
New Hams at the Truro Amateur Radio Club
By VE1CK • May 31, 2019

After running a radio course, the TARC is pleased to announce that all of those who wrote the exam passed, achieving basic with honours. One more student has yet to write. Here are the successful students with their callsigns:

Sarah Waringer - VA1SAW
Jennifer Waringer - VE1JLW
Kim Werkman - VE1KJW
Jonathan McCarthy - VA1JRM
Ben Shaw - VE1BFS

VE1BFS, Ben Shaw is just 9 years old!

Congratulations to all these new amateur radio operators!

Field Day Update - 2019

The ARRL Field Day has always been the last full weekend of June, However, this year the Field Day dates are the 22, 23 June. Perhaps because the last full weekend this year may conflict with the July 4th holiday in the USA, FD is being held one weekend earlier.

Plans are very well underway with great help from our team captains, especially Brian VA1CC, and Alex VE1RUS, and Don VE1DTR.

We will be in the 2F class operating from the HF back up to the Emergency Operation centre, which is HARC's club facility at Fire Station 50 Hammonds Plains. Everyone is invited to participate. There is something for ANYONE who can offer assistance, or who just wants to come out and have fun.

We will be setting up ahead of time, and there is work to be done as we will have 3 transmitters set up, 1 for CW (Dick VE1AI, & Roger VA1RST are co-captains), 1 for SSB & FT-8 (Brian VA1CC captain), GOTA (Get on the Air station) (Scott VE1QD Captain), Satellite and VHF/UHF (Bill VE1MR captain). **IF YOU WOULD LIKE TO BE AN OPERATOR** on CW, SSB, FT-8, VHF/UHF, or if you are a new operator or have not been active on the air lately, contact the appropriate Team Captain now.....and to help out setting up contact Dick VE1AI by e-mail ve1ai@rac.ca or phone 902-434-8046, if you have not already done so.

Quality food will be available, as usual during FD, at a nominal cost.

Just a few quick housekeeping measures - there is to be no alcohol on site, your pass should be updated (if possible), limited sleeping facilities are there, with your own sleeping bag, parking is a bit of an issue as there must be NO parking in the front of the building, in the event the Fire Trucks have to respond to an emergency. The building is a working fire station and we are in there by special permission through our good relations and support for Emergency Measures.

Come to the JUNE MEETING to get more details. Field Day is a wonderful SOCIAL event; a lot of fun, a chance to ensure all of our equipment works, and a radio contest to test our skills in traffic handling..... come out and help HARC maintain our leadership role as the top Field Day club in Canada in our class for yet another year!

Dick Grantham, VE1AI, Field Day Chairman

HARC's 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.

PRESIDENT'S MESSAGE for May, 2019

Welcome to Summer. June will be the last general meeting until September. There will be pizza nights in July & August and I hope to see many of you there as well as the June meeting. As I am writing this I am looking forward to club members participating in Summer Amateur radio events. In late June, shortly after the monthly meeting there is the ARRL Field Day. Some other events are the IOTA contest in late July, the MS Bike Tour also in late July, the Ledwidge Lookoff Rally in August and several more. Some are listed on Page 2 and have coordinator contact information if you wish to participate.

The ARRL Field Day event will be held at Station 50 this year and many members are encouraged to participate. The club will need operators and people to help set up & take down. Set up will be Friday June 21 and Saturday morning June 22, take down will be Sunday afternoon June 23. New and inactive Amateurs are encouraged to come out and do some casual operating in the GOTA (Get on the Air) station. Please contact Dick, VE1AI or Brian, VA1CC if you can help.

Another event that can be a lot of fun is CNPOTA Canadian National Parks on the Air). This event runs during all of 2019. There are 28 Parks Canada sites in Nova Scotia and many more in PEI & New Brunswick. Not only can you activate parks & historic sites you can travel around and see many other places in these beautiful provinces.

On an entirely different topic, I am very disappointed that HATS members have not stepped forward for helping out with the weekly radio checks on Saturday mornings or the Take-15 net Sunday evenings. The weekly radio checks only take a short time on a Saturday morning and show that the radios are operational ready for emergency use if we are called on to activate. The Take-15 net is a good way to get some experience in net control without any pressure, making mistakes during Take-15 net control is not a cause for concern since it is not an emergency situation.

I hope everyone has a good Summer and gets to enjoy some good weather and perhaps travel around the province.

73 - Bill Elliott, VE1MR, President of the HARC

Report from the Museum

The museum activities are beginning to ramp up for the season. The wireless room will be activated during March Break 16 Mar. to 23 Mar. It is a good time to promote amateur radio to all who stop by the "Wireless Room". March break gives us the opportunity to meet a lot of people from the local area, whereas during the tourist season the visitors are from all over the world, literally.

We had some serious storm damage to the antenna system at the museum over the winter. The multiband vertical antenna broke for a second time and needed to be replaced. The DARC (Dartmouth club) had a surplus Alpha Delta DX-CC multi band dipole which we were able to acquire for the museum. On March 1, a brave group consisting of myself, Brian VA1CC, Alastair VE1PAB, Bill VA1ALW, and Corey VE1PAX of the museum staff, went up on the roof and replaced the 40-80 dipole with the DX-CC (5 Band dipole). The vertical is still there and secured to the tower but not operational. To our delight, the sun was out, the wind was down, the pulley system worked, we could un-tie the knots, (Corey from the museum could tie some fancy knots), we raised the "new" dipole, and even though the WX was good.....IT WORKED. (We all know antennas installed in a blinding blizzard work best).

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.

What happens if you get scared half to death twice?



Anyone wanting to join our list of volunteers for the "Maritime Museum of the Atlantic" project should contact me Dick Grantham VE1AI via e-mail ve1ai@rac.ca.
Dick Grantham VE1AI

Another successful **Flea Market**

was held on May 25th at the Legion in Lower Sackville N.S. Thanks to everyone who attended and made this venture a success. I am pleased to report we had a total of 208 buyers and sellers - 32 sellers and 176 buyers. (Which included 47 selling spaces) Welcome Ned Tech Computers and Peter Freeman (The Knife Man) George VE1CAW

Old Timers Club at the flea market



Why go to the DownEast Amateur Radio Flea Market ...

The reasons are many ... To sell some of your radio gear. To look at all the radio & radio-related equipment of varying ages and states of repair that are spread on Sellers tables. To negotiate a good price (haggle) on a desired rig or antenna or key, mic, parts for a project, etc. To socialise with fellow hams – old friends, new acquaintances and to put a face to a known voice. *I hope you went-to and enjoyed this years event. –ed*

The Official OTC Downeast 2019 Group Photo from Joe Bellefontaine, VE1EEE
 L to R Front Row: VA1DM-Doc-#371, VE1EEE-Joe-#439, VE1CHI-Jim-#327.
 L to R Second Row: VE1BFX-Bob-#355, VE1AUZ-Martin-#297, VE1WZ-John-#350, VE1BFW-Ray-#469.
 L to R Third Row: VE1AI-Dick-#234, VE1OU-Jack-#447, VE1AFH-Jim-#353, ???, VE1LV-Hal-#464, ???, VE1PJS-Peter-#399, VE1FOX-Curtis-#471

A backwards poet writes inverse.

SMART 2019

From Jim VE1JBL Apr.29th

The 4th annual Symposium for Maritime Amateur Radio Technicians (SMART) was held Saturday April 27th 2019 at the Dr. Carson & Marion Murray Community Center in Springhill NS.

Doors opened at 7am for the volunteers, presenters & vendors and soon the building was alive with sounds of amateurs preparing their presentations for the day while others were setting up their tables for displays and sale items.

At 8am the doors opened and many amateurs rushed in to get out of the cold and rainy weather.

The canteen (new this year) became the central point at this time with amateurs picking up tea, coffee &

breakfast sandwiches. Then the rush was on for the 50/50 & raffle tickets

As promised each amateur received a Yaesu Fusion ball cap although they did not arrive till later in the morning.

At 11am the barbecues were turned on but due to the weather they had to be relocated to the side door of the arena which caused a slight problem of getting the burgers and dogs to the waiting hams..

At 12 noon lunch started with hamburgers, hot dogs, chips, pop & water. By 12:30pm everyone had been fed then the presentations began with opening remarks from Mike Johnson VE1MWJ representing Cumberland County EMO.

Bernie Cormier VE9BGC was asked to join Mike up front and Bernie pre-

sented SMART organizer George Dewar VY2GF with a plaque for his work on bringing this Symposium to life over the years. This was followed by the door prize winners and a photo of all the hams taking part in this event. The hams continued to mill around the flea market tables until classes began again at 1:30pm.

At 3:30pm the hams gathered in the arena for the Grand Prizes and 50/50. The complete list of winners can be found on the WestCumb ARC website under SMART 19.

<https://www.westcumb.ca/s-m-a-r-t-2019>

The final classes began at 4pm. By 5:30pm the final hams left the building and SMART was finished for another year.

(Continued on page 8)

Our Sun's Mysterious 11-Year Cycle Appears to Be Driven by Alignment of The Planets

by Michelle Starr, 1 June 2019

Every 11 years, the Sun cycles through from riotous flare & sunspot activity to a quieter period, before ramping up again. It's almost as regular as clockwork, and for years astronomers have been wondering what causes it. Now, they've proposed a new solution.

Even though the Solar System's planets are much smaller than the Sun, the gravity of some of them is able to influence our star's magnetic field. This, the researchers assert, is what controls the solar cycle.

Venus, Earth & Jupiter assert a small gravitational tug on the Sun as they orbit it. The result is comparable to the way the Moon's gravity influences Earth's tides, producing a regularly timed ebb & flow.

The team has traced back 1,000 years of solar cycles, between the years 1000 & 2009 CE, comparing that data with the movements of the planets in that time. They found strong link between the two.

"There is an astonishingly high level of concordance: what we see is complete parallelism with the planets over the course of 90 cycles," said physicist Frank Stefani of the Helmholtz-Zentrum Dresden-Rossendorf in Germany.

"Everything points to a clocked proc-

ess."

What the team found is that the tidal forces are strongest when Earth, Venus & Jupiter align, and that this alignment occurs every 11.07 years - falling at the same time as the solar minimum.

The effect is a weak one, unable to affect the Sun's interior. This, potentially, could be why no one has previously connected the dots between the solar cycle and the periodicity of the planetary alignment.

But the team has found that despite being weak, the tidal forces can still affect the Sun's magnetic field; in particular, they can influence oscillations in something called the Tayler instability. Such instabilities appear in toroidal (or doughnut-shaped) magnetic fields, where pressure is applied perpendicular to the field's direction.

This causes the field to become compressed, like a spinal column, creating instabilities a bit like slipped discs. These 'slipped discs' in the magnetic field are the Tayler instabilities, and they create perturbations in the solar flux and magnetic field.

Even a small amount of energy - such as, from a tidal event - can reverse the oscillations of these perturbations. And if those tidal events were occurring, for example, every 11 years or so, they could trigger a cyclic reversal in the polarity of the magnetic field, resulting in regular fluctuations in activity that corresponds to the cycle.

"When we discovered the current-driven Tayler instability undergoing helicity oscillations in our computer simulations," Stefani said, "I asked myself: What would happen if the plasma was impacted on by a small, tidal-like perturbation?"

"The result was phenomenal. The oscillation was really excited and became synchronised with the timing of the external perturbation."

Pretty neat, huh?

And this model could help explain some other mysteries about the Sun. For example, most solar cycles have double peaks at their maximum, with a brief lull in between; this appeared in the simulation

Other regions to be explored are the way the tidal forces potentially affect the plasma layers in the tachocline, at the base of the convection zone, so that the magnetic flux is conducted more easily.

It could also help us to understand the giant, magnetised Rossby waves that have only recently been discovered rippling across the Sun - and may have something to do with flare activity.

In turn, this could help us better predict our Sun's giant, violent outbursts: a good thing, considering they have the potential to affect our life here on Earth.

The research has been published in Solar Physics.

OK, so what's the speed of dark?

Safety

Just because you can buy something off the shelf from an attractive display in your local grocery or drug store don't assume that product is entirely safe.

When researching your favourite lotions, oils and shampoos, please be on the lookout for these sneaky intruders:

1.) Parabens – An extremely common preservative that has been shown to

disrupt estrogen production and has also been detected in malignant tumors.

2.) Phthalates – Usually hidden under the word "fragrance," a known hormone disruptor linked to reproductive defects

3.) Benzoyl Peroxide – Known skin and eye irritant; linked to the promotion of tumor growth.

4.) Triclosan – According to the US EPA, this is a serious pesticide.

HAZARD ALERT

March 20 at the HARC

meeting I parked in the rear of the station 50 lot....behind the junked cars....the next 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

Halifax Amateur Radio Club Minutes of the HARC Monthly General Meeting 15 May 2019

1 Welcome to the HARC monthly meeting for May 2019: The meeting was called to order by President Bill VE1MR at 2013hrs.

2 Report of any Silent Keys:
April 22, 2019 – VE1KWW – Karl Webb – Hackett's Cove, NS
April 26, 2019 – VE9EWR – Elliott Russell – Moncton, NB
April 29, 2019 – VE1SM - Peter Hebb – Amherst, NS
May 2, 2019 – VE1BXM – Stewart (Skip) Duffie – Head of Jeddore, NS
May 8, 2019 – VE1FC – Fredrick Muise – Salmon River, NB

3 Roll Call: 26 members and visitors were in attendance.

4 Acceptance of the Agenda: It was moved to accept the Agenda by Peter VE1WIN, seconded by Doug VE1LDL, motion carried.

5 Approval of Minutes of 17 April 2019 as printed in the Reflector: It was moved by Brian VA1CC to accept the minutes, seconded by Fred VE1FA, motion carried.

6 Correspondence: There were returned QSL cards due to bad addresses or Silent Keys. The AMSAT magazine arrived.

7 Murray VE1BB, QSL Bureau Manager gave a report on the workings and needs of the QSL Bureau. To assist Murray with the incoming QSL cards there are a few items that the club members need to take care of to insure a smooth operation of this service. Thousands of cards come in that need to be mailed out. Over 200 envelopes went out last month alone.

Keep a minimum of \$5.00 on deposit with the Bureau to cover the cost of the envelope and postage so incoming QSL cards can be sent to you.

If you need to know your balance, just ask, please be proactive on this.

Keep your address up to date to avoid your cards not being delivered to you and being returned to the Bureau.

Keep your callsign current, especially if you have requested a special event callsign for one reason or another.

If you change your call sign, please let me know.

If you do not want QSL cards, please let me know. Also note on QRZ.com if you do not want cards. Cards will end up being discarded if we have no way to reach you!

Thank you for your co-operation.

Murray VE1BB, moved to have a letter of thanks sent by the HARC secretary to Len Morgan VE9MY of Baxters Corner, NB who has retired, in appreciation for the many years he served as Manager of RAC's National Incoming Bureau for Canada, seconded by Bill VE1MR, motion carried.

8 President's Report: As printed under the Presidents Column in the Reflector.

In addition to the report, Bill reported that Jeremy VE1JHF had sent him an e-mail regarding his current physical condition, diabetes, high blood pressure, and some other items. Jeremy now knows what has been affecting his health and is taking steps to remedy his situation, good news!

9 Treasurer's Monthly Report: Bill VA1ALW reported an opening balance for April 1 of \$8757.00. Bill detailed the monthly income and expenses. After taking the monthly income and expense into account, the closing balance as of April 30th was \$8853.34. Bill, VA1ALW moved that the report be accepted, Ray VE1RAY seconded, motion

carried.

Bill also reported on using a standard password as discussed at the meeting for e-mail transfers.

10 Other Executive Reports:

11 Committee, Event and Special Projects Reports

a) Membership Report – Jim, VE1PPA absent no report.

b) EMO - Dave George, VE1AJP reported on upcoming exercises, Scott will have the details under his HATS report.

c) Search & Rescue - Dave George, VE1AJP reported that amateur radio has been a part of Search and Rescue since 1972. The Eco Endurance had 315 participants this year! Check the ECO website for a complete description of the event. Approx \$32,000 in fund raising will be realized by this event. 36 folks are ready to go when a call comes in for Search and Rescue. Many short term requests have taken place, lost on trails, cognitive impaired, etc.

d) Station Manager Report – Brian, VA1CC reported on status of the card entry system. Keep using your card at the door as it will expire in 90 days if no use takes place. Station beam antenna reflector element parts remain on order. The TMR will be replaced next week. PCs are being upgraded to Windows 10. About 15,000 QSL cards have been distributed to VO, VA, VE operators. Still waiting to hear about Grant Request application to HRM.

Brian will help any of the members to get acquainted with the Yaesu FTDX3000

e) HATS – Scott, VE1QD Halifax Auxilliary Telecommunications Service, the call out vehicle used by HRM in times of emergency. See Scotts report contained with the Reflector. That HATS Emergency Preparedness event at the MMA was a success! Scott emphasized RAC

(Continued on page 7)

Minutes (Continued from page 6)

membership, he has membership forms. RAC is our representative in Ottawa protecting the radio spectrum. Scott, wearing his Program Hat, is looking at a presentation on What's new in SWling, Short Wave Listening and Scanning. Also looking to have a presentation on the 3 "new" bands; a) 137 Khz - 2200m, b) 472-476 Khz 630 m, and c) 60m, be sure to read the RAC description on how to set up the channel tuning with your transceiver. There may be a tunable section rather than the 5 channels at some point in the future. There was discussion regarding the Go Kits and the future of Windows 7.

f) Other reports –

MMA: Dick VE1AI The Museum is up and running on Mondays and Thursdays, thanks for the wonderful response to fill slots.

Field Day: Captains are in place for SSB, CW, GOTA, 6m and Satellite station configurations.

The GOTA station may be a Crown

vehicle setup outside Station 50.

Publicity, VE1RUS Alex has been taking care of. Computers and networking is being taken care of by Don VE1DTR and Sheldon VE1GPY.

Food, some catering is being explored for Saturday evening meal and Sunday breakfast.

A Parking Captain and someone to greet the public will be finalized at the next meeting.

A Bonus points co-ordinator needs to be named. More discussion at the June meeting just ahead of Field Day. June 23-23!

g) MS Walk: Doug VE1LDL will be co-ordinating. Meet at the Canada Games Center, arrive about 11AM and sign in. 6 to 8 people needed, bring your VHF handheld. Dress for the weather!

h) Car Rally: June 15, Saturday, 7 operators needed starting at 10 am at the Legion Knoll ending around 4pm with dinner at the Walton Pub! Send Jason an e-mail at VE1PYE@rac.ca.

i) Flea Market: May 25th Saturday,

45 table have been reserved. Lower Sackville Legion Hall. Doors open for sellers at 8:00 am. General Public at 10 am.

j) Advanced Course: VE1PYE Jason, reported there will be a meeting of instructors after the Flea market, Jason, Bill, Fred, Roger, Al, others.

12 **Old Business:**

a) Fund raiser – The Bay Treasure Chest – No word back yet.

b) HRM Grant No word back yet.

13 **New Business:** None

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

15 50:50 Draw: \$25 in the kitty, ticket 5276 was drawn, VA1RST Roger.

16 Motion for Adjournment: VA1CC Brian moved to adjourn, meeting was adjourned at 2122 hours.

Respectfully submitted
by Roger Stein, VA1RST,
HARC Secretary

On Sunday, May 26, the annual **MS Walk** took place and members of HARC under the direction of Doug, VE1LDL, provided radio communication and other assistance as required from time to time.

Members involved were Doug VE1LDL, Bill VA1ALW, Jeremy VE1JHF, Graham VE1GFA, Alastair Cox VE1PAB, Brandon VE1BMF, Paul VE1AVD and Tom VE1GTC.



Photos thanks to Amanda



We are here on earth to do good unto others. What the others are here for, I have no idea.
- WH Auden

From the Mail Bag

VE1AMH Fusion Repeater is
" On the Air "

Greetings all, Just a note to let everyone know the new Fusion Repeater in Amherst is "On the Air". There is still more work to be done but it is up and running and looking for reports from maritime hams. The frequency is 145.190 with a 100hz. tone. For more information on this go to <https://www.westcumb.ca/news-info> Send reports to Lorne Anderson ...

From the Atlantic Amateur

The Atlantic Amateur

Ham Radio
for the **Atlantic Provinces**
www.atlanticamateur.ca

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

SMART 2019 (Continued from page 4)

The organizing committee consists of Bernie Cormier VE9BGC, George Dewar VY2GF, Kevin Burke VE1KEV and Jim Langille VE1JBL.

We would like to thank the volunteers who helped out with the event.

Mike Johnson VE1MWJ Cumberland Regional EMO Management for arena booking and bringing 2 barbecues to help feed the hams.

Kevin Burke VE1KEV helped the hams set up their flea market tables.

Bob Perry VE1EDP & his XYL Jo-Ann Reynolds worked the entrance tables, gave out name tags & hats. and performed other duties feeding the hams during the lunch hour.

Kevin Burke VE1KEV, Mike Masters VE1ZB, Robert Mannette & Mike Johnson VE1MWJ for another great barbecue.

Dana Rushton VE1VOX & Don Roland VE1AOE for another great raffle draw while Al Christie VE1ZS & Ron Blue VE1BBB manned the 50/50 table.

Ron Bickle VE1BIC sound systems in both rooms and photos

Bob Tuttle VE1DR looked after the talk-in frequency and was prepared with extra gas and others items in case of traveller break down.

The County of Cumberland let us use this Community Center to hold the event.

A special thank you to Heather Laurie and the staff at the arena who looked after all our needs and did a great job helping us prepare for the event.

Thanks to all the local clubs who donated prizes. Their names and the winners can be found on the SMART 19 webpage <https://www.westcumb.ca/s-m-a-r-t-2019>

Finally a big THANK YOU to the 170+ hams who came out to support SMART. Without all of you this event would not take place.

See you next year at SMART 20.

CNPOTA support from RAC – as you can see in this message to Sheldon from Alan Griffin, TCA Editor | MarCom Director -ed.

Hi Sheldon,

Thanks for the update. Glenn & Adam are en route to Dayton. I created a poster of CNPOTA that they can use on their display. They have several posters to use at Dayton and will likely be switching them up as time progresses to keep the display fresh.

I also provided them with a CNPOTA handout using the 2-page article in the May-June 2019 TCA and I told Adam that he should watch our website and the CNPOTA website for updates and to refer visitors & interested parties to them.

I'll use your update to create a news post on the homepage of the RAC Website that will be visible during Dayton and after. I am also going to insert it in a new issue of The RAC Report newsletter which will be posted on the website and available for Download.

I highly recommend that you include

some text from your update on the CNPOTA website under "News" on the homepage and in the Gallery page. I may be able to provide you with a PDF version of the update using some photos from the last update.

I am going to add some text to the update about Twitter & the #CNPOTA hashtag as it is a good way for Chasers & Activators to participate.

I've started working on the July-August 2019 TCA. We will be including a CNPOTA update article in this issue. I think we should use May 30 as the cut-off date as I will go to print about June 7. We can just make some changes to the May 15 update or we could switch gears a bit and highlight something else that may be more current involving the summer months and beyond. The deadline for the update is Monday, June 3.

Thanks again for all of the hard work that you and the rest of the team are doing for this great event!

Alan Griffin, TCA Editor | MarCom Director

A student became lost during a solo cross-country flight. While attempting to locate the aircraft on radar, Air Traffic Control asked, "What was your last known position?"

Student: "When I was number one for takeoff."



HATS NEWS: June 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)

A **HATS Field Exercise** took place at the Maritime Museum Of the Atlantic on Monday, 6 May and Thursday, 9 May in the **Wireless Room** and at an information table nearby. The results were gratifying. We had excellent participation from HATS Members and contact with almost 170 members of the public. Full details are contained in my report dated 22 May. If you have not received a copy, let me know, and I will email you one.

We are still expecting a **surprise callout** exercise from HRFE sometime soon. You will be notified by our City Watch system, so be sure to respond with information about your availability and be prepared!

That **Field Day** is coming up, however, is no surprise! It happens annually on the last full weekend in June. While this is not a HATS activity, it is a golden opportunity to test our readiness for an emergency. I am the Captain for the Get-On-The-Air (GOTA) station and will offer HATS members and others with little or no operating experience chance operate with the help of a coach. Of course, those with extensive operating experience will be welcome to operate one of the several main stations. Contact me about the GOTA Station and Dick Grantham (ve1ai@rac.ca) about other opportunities.

Our **Emergency Communication Technology Assessment Group (ECTAG)** has initiated an assessment of the nature, usefulness and cost of establishing a high-speed MESH Network for handling emergency communications traffic in the Halifax Region. The group, led by Larry Hicks, VO1HL, also includes Don Trotter, VE1DTR and Neil Hughes, VE1YZ. They are expected to complete the exercise by mid-September.

I am sorry to report that our Training Officer, **Tim Delaney, VE1TIM**, has **resigned** his position due increased demands related to his full-time job as well as a small business run by his family. Many thanks to Tim for his enthusiasm and desire to contribute to HAT. He has assured me that he will be back when the right time presents itself. In the meantime, we urgently need to fill this position so that we can get on with advancing our training program for the fall and beyond.

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@bellalianat.net.
- 12 June (Wednesday) at 1000 hrs. the HRFE/EMO – Amateur Radio Advisory Committee Meeting at the Eric Spicer Building, 21 Mt. Hope Avenue in Dartmouth.
- 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.
- 25 June (Tuesday) at 1900 hrs. Exercise Handshake tests readiness of key communication nodes and individual HATS members stations.

ACTION:

Take part in Field Day by finding a role to fill and gathering operating experience on one or more of the several stations, including the GOTA Station!

Positions to be filled. If you are interested in **leading our training program**, please contact me. You do not think you have the knowledge and experience? Let us consider your background and interests together. We can likely help you develop your qualifications and gain the needed experience.

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 documentation of our activities.

Remember to submit your **HATS monthly volunteer time and travel data for May** to Jim Calvesbert, VE1PPA – 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

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

I think my neighbour is stalking me as she's been Googling my name on her computer. I saw it through my telescope last night.

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 - BRIT 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 _____ .

*The person who considers themselves too old to learn something new
has probably always been that way.*