



The Halifax Amateur Radio Club

REFLECTOR

2050 Hammonds Plains Road
Hammonds Plains NS
B4B 1P3

September 2019, Volume 80 Number 7
club web site is www.halifax-arc.org



**See Page 3 of this Reflector for an Article
Describing Ham Response to Hurricane Dorian**



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

HARC Club Station phone number - 902-490-6421

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President - Bill Elliott, VE1MR	865-8567	bowser.elliott@ns.sympatico.ca
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The September 2019 General Meeting of the Halifax Amateur Radio Club will be held Wednesday, 18 September, in the training room at Fire Station 50 in Hammonds Plains. Please see information on pages 2 & 3 about parking, access, etc.

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

7:00-8:00pm - Presentation:
Status of SWLing and Scanning Today

Presenter: Craig Mackinnon, VE1JMA

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

Guests are welcome

*Advice from A Wise Old Man....
"Most of the stuff people worry
about ain't never gonna happen
anyway."*

**Deadline for submissions to the
October, 2019 Reflector is
Saturday October 5, 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.

Sept. 15	Peter	VE1WIN
Sept. 22	Gary	VA1GGM
Sept. 29	Bill	VA1ALW
Oct. 6	Cam	VE1BIT
Oct. 13	Peter	VE1WIN



*There was a very gracious lady
who was mailing an old family
Bible to her brother in another
part of the country.
"Is there anything breakable in
here?" asked the postal clerk.
"Only the Ten Commandments."
answered the lady.*

The Maritime Net Control Manager
is Peter (VE1PJS)

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.

ONLY A FEW MONTHS LEFT FOLKS. And some beautiful autumn weather to activate a Canadian park or historic site. -ed

October 5 (Saturday) - an Amateur Radio Advanced Course will start

Cost for the course is \$ 100 (includes book) or \$54 if you have your own book already!

If you are planning on attending please let , Jason, VE1PYE, know and also let him know if you require a book as we only have 2 or 3 left from our last order.

Any questions or comments, please contact Jason Ingraham, VE1PYE by phone at 902-292-9924 or email at VE1PYE@bellaliant.net

October 19 – Greenwood ARC flea market

November - HARC AGM and election of the Club Executive for 2020 .

December 18 - HARC Christmas Party

The **Truro Newbie Round Table** will be returning on Sunday, October 14th at 2100.

Repeaters linked for the round table: VE1HAR will be the primary site with the following repeaters linked, VE1TRO, VE1BHS, VE1SHU, VE1USR, VE1PKT, VE1HR, VE1AEH, VE1WN, VE1RTI, VE1GYS, VE1CFR, VE1WRC, VE1NET

HARC's NEW CLUB LOCATION 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.



Bill Simm, VA1ALW Bike Repair 2; Peter Whalen, VE1PJW First Aid 1; Doug LeBlanc, VE1LDL Bike Repair 1; Colleen Prentice, VE1PIE MS Staff; Pat Kavanaugh, VE1PHK Sweep Vehicle; Sheldon Page, VE1SJP Comms Coordinator; Tom Caithness, VE1GTC First Aid 2

HARC Supports MS Bike Tour 2019

By Sheldon Page (VE1SJP)

HARC continued its long running support of the MS Bike Tour on the weekend of July 27 and 28th. HARC provided 7 operators for the key event vehicles. The operators and assignments were as above.

A special thanks goes out to Bill Elliott for his advice on the neighbouring repeaters, the health of the Glenmont machine as well as making contact for me with the Greenwood ARC. Bill has given me invaluable support over the past three years in my role as the amateur communications coordinator for the event.

The Glenmont repeater (VE1AEH) provided full coverage of the three routes – even in the dark depths of Deep Hollow Road. Another special thanks goes out to the Kings County ARC for the use of the repeater during the event.

A new family trail ride was introduced this year. Pat Kavanaugh went above and beyond as an operator this year by volunteering his personal cell phone as an emergency contact for the family ride.

The weather cooperated for both days of the event. It was hot (but not too hot) and sunny. This most likely contributed to the low number of bike repair and first aid calls. There were no major issues and the event ran smoothly. Our only minor issue was trying to find a way to attach the magnetic Tour signage to Pat's aluminum frame truck!

I truly appreciate the time and patience of the operators and hope to see everyone back next year.

The Brit Fader Scholarship was not awarded in 2019 as there were no applications.

Advice from A Wise Old Man...

"If you find yourself in a hole, the first thing to do is stop diggin."

PRESIDENT'S MESSAGE for May, 2019

Well Summer is nearly over and hopefully everyone has had a great Summer. Club members have been busy over the Summer doing various projects and events.

The Maritime Museum of the Atlantic has been busy with participation of quite a few club members. Field Day was a good test of our new club facilities - see the write up elsewhere in the newsletter. The MS Bike Tour saw a number of club members participating - also see the write up elsewhere in the newsletter. Some club members took part in Islands on the Air contest (IOTA) on Bon Portage Island and there is also a write up elsewhere in the newsletter. The Ledwidge Lookoff Rally took place August 10th and 11th with club members giving radio communications for the rally - we hope to have a write up and photos next month.

The Amateurs were called out for Dorian and things seemed to go well. Dick, VE1AI did a short write up for the newsletter after consultation with David, VE1EDA and there may be a more detailed report next month - probably also be a report at the club meeting as well.

There is still over 3 months left in the Canadian National Parks on the Air (CNPOTA) event. Several of the club members have been participating and even if you don't want to be an activator you can help the club members who are activating by contacting them and uploading those contacts to help them out. Take a look at the CNPOTA web site (www.cnpota) to see upcoming activations by club members. All bands and modes are acceptable so try to contact them on 2M or 70cm FM with your hand held or mobile radio.

The Advanced Amateur Radio course will be starting October 5th and it looks like there will be quite a number of students. It is also nearing time for the Annual General Meeting in November so the nominating committee will be looking for members to serve on the executive. I will not be re-offering for President this year. Please consider in what capacity you can serve the club. Remember this is your club and your participation can make it a better club.

73 - Bill Elliott, VE1MR, President of the HARC

HARC Booking Calendar

Looking to find out what is going on in the HARC Station? If so, you should go to our on-line room booking calendar at:

<https://teamup.com/ksa1105421c0509940>

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

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

Reservation Booking

If you want to reserve space in one of the above three rooms, or if you are approved to use and want to book time on the Club Remote Radio, then send an email to our Station Manager, Brian, VA1CC at 902-489-4656

or basailor@eastlink.ca
or to our Club Website Manager, Brandon, VE1BMF, at bmfwowler95@gmail.com
and they will make your booking.

Heroes of the Storm

This report involves many members of the club and hurricane Dorian.

It is something like being introduced to a new fine wine.....uncertainty, apprehension, followed by confidence with a very, very nice finish.

When news of hurricane Dorian first broke, and we followed the devastation that occurred in the Bahamas, we were put on our guard, and many of us were put on notice of perhaps being activated in our role as emergency communicators. The storm was forecast to hit Nova Scotia head on and so EMO swung into action with Don Mosher, VE1DRM, notifying Dave Musgrave VE1EDA, (our HATS, Halifax Auxiliary Telecommunications Service, Duty Officer) to be prepared to send volunteers into the EOC (Emergency Operation Centre) to assist with emergency communications in anticipation of damaged that might be caused by the storm.

The call went out, and on September 7th at 18:00 hrs. Gary Murphy, VE1GGM was in the EOC ready to go. At 0:700 hrs. the next morning, Sunday, a second shift consisting of Brian Allen VA1CC, Mark Hemphill VE1BEL, and Bob Brown VE1BFX, arrived. As the storm progressed cellular service became degraded, and even intermittent. There were large scale power outages throughout the province, and at one time the trunking system failed, although thankfully for only a very short time. The crew was up for the challenge as our repeater network was still intact here in metro. Emile Pineau, VE1ESP was at the Canada Games Centre in Hammonds Plains, which was a "Comfort Centre" for evacuees, and was heard requesting / discussing diesel fuel requirement for the generator there. These volunteers kept at their post until 12:00 hrs when they were relieved by a third shift consisting of Terry Bigelow VE1TRB, Doug LeBlanc, VE1LDL,

Heroes of the Storm (Continued from page 3)

and Jeremy Fowler, VE1JHF. Bill Simms VA1ALW relieved Emile during the afternoon.

The evening shift of Dave Musgrave, VE1EDA, Jim Calvesbert, VE1PPA, and Alastair Cox, VE1PAB, came on at 18:00, and stayed until 22:00 hrs. when normal communications was starting to recover and the amateur radio requirement had been reduced.

Many others were on standby including myself as I still had power, internet, HF, VHF, and UHF capability. (And my tower and antennas stayed up).

On Monday there was yet another comfort centre opened up on Caledonia Road in Dartmouth, at the Dartmouth East Community Centre. I received a call from Jayne Young that they had emergency power there but no communications at all since their phones were out and cell service was almost nil. I went down to assess the situation to see what was required. When I arrived I was met at the front door by the Mayor, Mike Savage, Deputy Mayor, Tony Mancini and Darren Fisher, MP for Dartmouth East. Mr. Mancini and I spoke briefly, I told him what I was doing there, and then we chatted with Mayor Savage and Mr. Fisher. Mr. Mancini lives in my neighbourhood and is familiar with Amateur Radio and my station. Mayor Savage then said to me...."we have seen your volunteers elsewhere in our travels during the storm and we want to thank you very much for your dedicated efforts. Be sure to tell your group that your efforts are greatly appreciated".

That's a nice finish to savour after a fine effort by our club and a nice tribute to amateur radio.

Dick Grantham, VE1AI

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

VB1D activated on NA-126: the 2019 Bon Portage Island Expedition

de VE1RSM, VE1FA

For the seventh year, a group of hams, mostly from the Halifax, Annapolis Valley, and Kings Co. ARCs travelled to Bon Portage Is. (BP) to enter the annual Islands on the Air (IOTA) contest, as an "island expedition". The contest runs for 24h (12:00Z Sat. to 12:00Z Sun.) on the last weekend in July.

BP (aka Outer) Is. (NA-126) is about 2 miles off Shag Harbour, on the southern tip of Nova Scotia. We lived and operated in the old light-keeper's house, maintained by Acadia University as a biological teaching & research facility. Our two-HF station setup is fairly complex, so as always, getting the 6 antennas, masts & towers, two complete 500W HF stations, the computer & AC power systems ready, tested, complete, and packed beforehand was a big job!

Normally, we run in the "Multi-1" island expedition class, in which there is a "Run" and a "New Mult" station, but this year we decided to try the "Multi-2" island expedition class. In Multi-2 one station runs only SSB; the other runs only CW, with both operating continuously.

Station 1 (SSB) used a Kenwood TS590SG, Collins 30L-1 linear with a TA-33 tri-bander at 34', a 40m vertical, and a full-wave 80 meter, vertical delta loop antenna. Station 2 (CW) used a Kenwood TS590S, A3S tri-bander at 34', two phased switchable 40m verticals and a low 80m dipole.

We borrowed a Bell Smart Hub from Sheldon VE1GPY, which linked us to the mainland, for internet access. We ran a 3-computer network, using N1MM as our logging & CW program. Thus, we were able to ensure that all computers had the latest updates to N1MM, the

country files, partial calls file, and IOTA history files. The network worked flawlessly for us.

Tuesday, 23 July, 6:30 AM:

Fred (VE1FA), Helen (VA1YL), Al (VO1NO/VE1), Wayne (VE1BAB), Bob (VE1RSM), Ralph (VE7OM) and Scot (VA1WTF) were all set to drive to Shag Harbour, when Fred received a call from Lee Adams, Acadia's supervisor of Bon Portage: High winds, rain, thunder & lightning postponed departure til Wednesday!

Day 2 Wednesday, 24 July:

better wx and no call from Lee! We left the Valley around 9 AM local and headed for Shag Harbour's main wharf. After an easy 225 km drive we pulled up to the end of the wharf and unloaded. Lee pulled his Cape Islander fishing boat alongside and we began loading. Endless heavy Rubber Maid tubs (RMTs), rolls of cable, and bundles of aluminum tubing! By 2:30 PM we were on our way to the island. By 4 PM and after several trips from the Cape Islander to the BP wharf in a large dory all the gear and people were up on the BP wharf. Next, the hill of gear was loaded in a tired 4x4 & trailer for the 1 km trip (over a very primitive and rough road) to the light-station. While the gear was being sorted there, Helen & Bob cleaned up in the main house, and organized the food. Fred began rearranging the furniture and unpacking equipment to set up the two stations at opposite ends of the big front room. Two 500-watt stations 25 feet apart! Bob started supper; slow cooked BBQ ribs (yum!) & potato egg salad. Finally, after supper, we placed the tower sections in their locations and started preparing the antennas for Day 3.

Day 3 (Thursday), 25 July.

Wayne, always up early, cooked eggs and bacon and fed everyone before the long day of getting the an-

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VB1D activated on NA-126: the 2019 Bon Portage Island Expedition (Continued from page 4)

tennas assembled, erected, and tested. This being the 22nd of our IOTA island activations, we sort of fall into our antenna and other outdoor jobs without much decision or discussion. All the antennas, masts, towers, and rotors were erected, cabled, and tested by suppertime. The SWR checks were good and we connected the co-ax to the stations. After supper, a meal of macaroni, cheese and fried bologna, complements of Wayne, Fred finished connecting the radio gear and antennas, did some testing, and a few QSOs were made.

Day 4 (Friday), 26 July: sunny and warm all day. Yes, Wayne was up early again and cooked up eggs and fried bologna. After breakfast Fred gave a couple of brief talks on some of the rule changes to the IOTA test, and tips on operating the TS-590s, linears, and antenna switching in the two stations. Bob then gave a quick run through on N1MM and especially on how to use to our advantage the Available Mult/Band window in N1MM for search & pounce, to pick up available contacts.

Usually there were still many 40m stations calling, but most of them were dupes. Around 3:30 AM the CW station's IC-2KL 500W linear emitted a powerful and unsavoury burnt phenolic stench (not a happy moment), and CW became a 100 W station. Making CW QSOs now became more of a struggle!

Compared to BP 2018, when we got off to both a slow start & poor ending due to very poor prop to Europe, BP 2019 was better. The last 5 hours produced only 39 QSOs between the two stations, but 25 of

those QSOs were 15-point QSOs, and of those 25, 10 were new mults... which now were each worth over 15,000 points!

Bob had the best catch of the contest, working TX2A, Austral Islands, on 40m CW with 100 W, in the early hours of Sunday. Congrats Bob!

Before we knew it, 9 AM was upon us and the contest was over, but not before we had made 1730 QSOs, (23 dupes) and 226 mults. The CW and SSB stations each worked 113 mults. Our final (unadjudicated) score was 2.805 million points.

Day 6 (Sunday morning) 28 July. Once the contest ended, we took a few minutes to review the results, began then began tearing down the antennas and stations.

We first lowered each tower so the beams could be removed and dismantled. By supper time the antennas, stakes, guys, masts, etc. were all disassembled and packed for transport, cables rolled and the gear put away. The stations were dismantled and re-packed in the RMTs. Finally, the two towers were taken apart and stored in the lighthouse for another year. We used to transport 10 x 10' tower sections to and from Bon Portage, each year, but now we store them in the BP lighthouse...which saves a **lot** of hauling & carrying!

Supper on Sunday was Fred's turn (chili), but since we had so many leftovers from previous meals we ate the leftovers...which were very good! After supper Bob presented our contest stats from the N1MM software, and an ATV + trailer-load of equipment were moved down to the wharf. Helen and Bob vetted the log for errors and omissions, then Bob submitted it on-

line to the IOTA contest committee.

Day 7 (Monday) 29 July. Departure day. It was sunny, but windy with some large swells at the BP wharf. Were we going to get off the island that day? Since we had lots of eggs and bacon left, Wayne made a last breakfast, then all of the remaining gear was moved to the BP wharf.

Around 9:30 AM we all arrived at the wharf and behold, there was Lee's Cape Islander, but moored 4-500 yards offshore, due to the low tide.

It took a few trips in the dory laden with gear and hams to get everything and everyone on the big boat. At the Shag Harbour dock, we transferred the gear from the boat to the dock and then to our vehicles, said our thank-yous and good-byes and started for home.

Thus ended another Bon Portage expedition, with everyone having had lots of fun, hard work, and radio time.

We sincerely thank Lee, and his assistant for transport and all manner of useful help, and Phil Taylor of the Acadia Dept. of Biology for allowing us to use BP in our special way, aka "Fred's Course". Our new recruits for 2019, Scot VA1WTF and Ralph VE7OM, appeared to enjoy themselves. Finally we thank Bill VE1MR and the Halifax ARC for loan of high-quality co-ax, 2 complete rotor systems, autotuner, and a linear amplifier.

Now, let's see what 2020 brings... Propagation gods....are you listening?

No pictures are available due to the timing and power outages caused by Hurricane Dorian. -ed.

OFFICIAL Federal Election campaigning has begun ... A Jay Leno quote ...
"If God wanted us to vote, he would have given us candidates."

Halifax Information Radio 107.7 FM in the event of emergency becomes a communications arm of EMO.

For information about ARES frequencies go to
<http://www.rac.ca/en/rac/public-service/ares/frequencies/>

**Halifax Amateur Radio Club
Minutes of the HARC Monthly
General Meeting
19 June 2019**

1. Welcome to the HARC monthly meeting for June 2019: The meeting was called to order by President Bill VE1MR at 2023hrs.

2. Report of any Silent Keys: None!

3. Roll Call: 28 members and visitors were in attendance.

4. Acceptance of the Agenda: It was moved to accept the Agenda by Roger VA1RST, seconded by Brian VA1CC, motion carried.

5. Approval of Minutes of 15 May 2019 as printed in the Reflector: It was moved by Jeremy VE1JHF to accept the minutes, seconded by Doug VE1LDL, motion carried.

6. Correspondence: The QST magazine for July arrived.

7. President's Report: The beam has been repaired as the parts arrived on Wednesday June 12th with installation on Tuesday June 18th. The 900 Mhz antenna was repositioned as required on the same day as the lift was available. There have been recent technological advances of late, digital voice modes via amateur radio. A circuit board has been developed in the US that plugs into a Raspberry Pi. Whatever digital voice mode mode that is received is retransmitted. NSARA, Nova Scotia Amateur Radio Association has stated that they would go in 50/50 if ever such a technology became available. A verbal ask of the group was made to see if we should pursue. A positive response was received. More information will be presented when it is available.

8. Treasurer's Monthly Report: Bill VA1ALW, was absent tonight, no report. (From the HARC Executive meeting of June 5, Income \$1975, Expenses \$507.66, net \$1,467.39. Opening balance \$8853.34, closing balance \$10,293.73.)

9. Other Executive Reports:

10. Committee, Event and Special Projects Reports

a) Membership Report – Jim, VE1PPA was absent, Bill VE1MR reported that a couple of memberships came in tonight.

b) EMO - Dave George, VE1AJP absent tonight.

c) Search & Rescue - Dave George, VE1AJP absent tonight. George VE1CAW reported that there was a search in the Dollar Lake area for a fisherman that was reported overdue. His body was found Sunday morning, apparent drowning.

Station Manager Report – Brian, VA1CC reported hearing a strong rumor that the HRM grant was approved, waiting for the confirmation by mail. (Note, the approval was granted and a check for \$5000 was picked up at the main Post office on June 28th!)

HATS – Halifax Auxilliary Telecommunications Service Scott, VE1QD stated most of the information will be elsewhere in the Reflector. I will be away from the area the month of July. Mark Hemphil we be filling in. We are actively looking for someone to take photos of HATS events and a volunteer to be the Training Officer. Please note the article for upcoming events. Scott made a pitch for RAC, Radio Amateurs of Canada, membership, please see him for a form if you desire to join!

Other reports

HARC Web Site: Brandon VE1BMF, web site manager, reported that he had a message from Bill VE1MR that web site information was disappearing! Brandon investigated and found that some hackers had gotten into the old website on June 3rd. The old web site, from 2010, was still open on the internet, providing a portal to the current site. That portal has now been closed and the missing information restored.

Thanks Bill VE1MR for letting Brandon know!

MMA: Dick VE1AI The Museum is up and running on Mondays and Thursdays, thanks for the wonderful response to fill slots. Bill VA1ALW has taken a job making him unavailable for afternoons so we will have a slot to fill.

MS Walk: Doug VE1LDL reported that the weather (damp!) hampered the walk causing many walkers to take the short loop. There was a good turn out of HARC participants including Bill VA1AWL, Brandon VE1BMF, Doug VE1LDL, Graham VE1GFA, Allister VE1PAB and Tom VE1GTC. (apologies if I missed anyone!) Amanda provided many photos!! Thanks to all.

MS Bike Tour: This will be the same weekend as the IOTA contest July 27-28. No word yet from Bike Tour sponsor, Shelton VE1SJP, Bill VE1MR will be in contact with him.

Field Day: This weekend! June 22-23.

Car Rally: June 15, Saturday, the first of the two Rallies, Wood Lot Rally, lots of dust! The radio operators 5 provided communication starting at 10 am at the Legion Knoll ending around 4pm with dinner at the Walton Pub! Next Rally will be Aug 4th, approx 20 Km course in the back woods, all day Sunday, come prepared for the day. Mobile radio recommended, hand helds don't cut it, too low an output power for the terrain and not enough battery life. Jason has 3 "rally radios" mounted on boards for use for reporting as cars pass the check points. If a car doesn't show up at a check point a search will ensue to see where they ran off the road! If you want to HEAR and see cars running at 80 – 100 mph on back roads, this is the place to be!! Contact Jason at VE1PYE@rac.ca. Some observers had expressed interest in getting a radio license. There will be an article in the Rally Group

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Minutes (Continued from page 6)

communication letter. Jason will be listed as the contact for a future basic course.

Parks on the Air: Sheldon, VE1GPY, reported that Activity is picking up, many activations, 85 out of 220 Canadian National Parks. 175 confirmed activations requires 5 confirmed QSO's reported before it counts. Almost 700 people subscribed to the website. Lots of QSO's! Sheldon has over 400 QSO's! An Activation Day was suggested as a club activity, more to follow! John VE1JMB will lead this,

thanks John!

Advanced Course: Will start in October

11. **Old Business:**

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

b) HRM Grant – **Update June 28th \$5000 check received!**

12. **New Business:**

Dick VE1AI requested funds be set aside for a WinKeyer or equal. Options were discussed. It was moved by Dick VE1AI to set aside \$150 for this and seconded by Brian

VA1CC. Motion carried.

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

Nothing reported.

14. 50:50 Draw:

\$25 in the kitty, ticket ending in 336 was drawn, Amanda!

15. Motion for Adjournment: VA1YL Helen moved to adjourn, meeting was adjourned at 2122 hours.

Respectfully submitted
by Roger Stein, VA1RST,
HARC Secretary



Field Day Report – 2019 By Dick Grantham, VE1AI - Field Day Chairman 2019

The HARC Field Day was held on the 22 and 23rd of June, 2019 in the club facility at Station 50 Hammonds Plains. It was decided to go into the “F” class this year so as to attempt to complete the club station installation, and test it's functionality in the event it may required in an emergency situation.

This proved to be much more of a challenge than any of us had anticipated. Just to mention a few, the main yagi up on the tower was missing an element; how do you place 3 stations on a small lot; we have no cooking facilities there; where do people sleep; do we have 3 good radios; how do we get a functioning network to interconnect the stations to use N1MM logging program, what about the new FT-8 mode?

Well, it was only through the heroic efforts of our TEAM.....that we did it! Brian, VA1CC, worked for weeks before the event, along with the IT team of Don VE1DTR and Sheldon VE1GPY. Don Moser, VE1DRM, came through in fine style to get the parts, the crane and also the labour to get the yagi fully operational. Murray VE1MMD took on the huge task of feeding us.

Our relationship with the staff of the fire station became one of comradery and mutual co-operation, which was indeed one of our goals for this FD. They allowed us to assemble the antennas inside, while the torrential rain poured down outside. They volunteered the use of their Bar-B-Q and the use of their “bunk room” up on our floor. I want to thank them a lot for their assistance.... especially when the GOTA tent blew down into the woods on Friday night, and the volunteer fire fighters helped us retrieve it and put it back together! Thanks guys!

With propagation as bad as it has been we did very well indeed, given the challenges we faced...we climbed Mount Everest followed by K2 stacked on top. What an effort by a great team. We had 45 participants.....that's 45! Our total **point score was 4588.**

The QSO totals by mode were as follows:

CW – 714 FT-8 - 41 SSB - 194 Total QSO's = 949 including 16 GOTA Q's
We had 2 elected officials visit us, Steve Craig MLA, and Andy Fillmore MP, some officers from the Fire Department, as well as a number of guests from the general public.

We got most of the bonus points allowed but did miss out on some others.

There were serious problems with the SSB antenna system, and a new antenna is required for next year. The close proximity of the antennas to one another made things very challenging.

More details on the results and challenges we faced will be explained in the Field Day technical wrap up report.

One important thing that must be strongly noted...” When push comes to shove....and faced with numerous difficult situations....every club member who was there...pulled out all the stops with the determination, and winning spirit, persistence, hard work, and positive attitude to make this a very successful Field Day indeed”. We should place high in the 2 F class.

Meeting Cancellation Notification Policy & Procedure:

In the future, if the weather looks bad, before you set out under potentially risky conditions, check the Home Page of the HARC website. If the Executive decides to cancel a meeting, we will activate our streaming red banner on the top of the HARC website Home Page. It will let you know of meeting cancellation and/or other important information for Club members. So, if the weather is bad on Meeting night, before you leave home for the Club meeting, check the Home Page of the HARC website for any update.



*No one has more driving ambition
than the teenage boy who wants to
buy a car.*

From the Mail Bag

Greetings all,

I received a note today saying that Nike is using the old maritime amateur web address.

www.maritimeamateur.ca

For those hams and clubs who still have the old Maritime Amateur website address link please delete it and replace it with the new Atlantic Amateur website address.

www.atlanticamateur.ca

Everyone have a great summer,
Thanks,, Jim Langille VE1JBL

Good Afternoon:

Does anyone want a U.S.A. Signal Corps Transmitter Tuning Unit TU8B frequency 6200 to 7700 KCS Serial 90053 made by General Electric. The Price is Right – FREE Spud VE1BC

The Atlantic Amateur

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

If you think nobody cares whether you're alive, try missing a couple of payments.

Sent: August 12, 2019 6:17 PM

Subject: Moncton Fusion Repeater

This morning Jeff Steeves and myself headed up to our site on Lutes Mtn and finalized the installation of the fusion repeater (well the RF part of it anyway). By 3:30 this afternoon the power switches were turned on again and hey...it all works. Thanks to the generosity of the Nova Scotia amateurs, we now have 24 cavities isolating 6 frequencies on the same antenna. The performance seems very good all around. A slight bit lossy by the time it gets to the APRS frequency but still quite acceptable. Our UHF repeater still seems to have something a little off with the antenna but that's another project.

To the Westcumb club members, please compare our 147.345 repeater with the new 146.625 (103.5) and let me know if you notice any major difference in signal strength. From here in Shediac they seem reasonably matched.

The next step is to hook up the wires-X to it and a laptop. That part of the project will be done by VE1VON and VE9JFL our IT gurus. It probably won't happen until the fall sometime. But the C4FM part seems to work OK.

I again want to thank all the amateurs who helped out with this project. Much appreciated gentlemen.

Cheers for now, Cam, VE9CAM

Dealing with Noise from LED's courtesy of Ken, VY2RU

White-label EMC-filter from the hardware store

August 28, 2019 / LA3WUA /

Since Norway became the first country to shut down the FM-broadcast service (in favor of a nationwide DAB/DAB+ service) there have been a lot of media attention on noise from LEDs interfering with DAB reception. Seemingly in response to this, Biltema, a Scandinavian car-centric hardware store, has started stocking an EMC-filter for dealing with LED noise.

Read the entire article including test results at

<https://www.la1k.no/2019/08/28/white-label-emc-filter-from-the-hardware-store/>

If Barbie is so popular, why do you have to buy her friends?

The following message was sent to the Spectrum Management in Sault St. Marie from Jason LaPierre, Operations Support Coordinator, Canadian Red Cross, Dartmouth, on August 20th, 2019.

“Please be advised that the Canadian Red Cross in Dartmouth, Nova Scotia is ceasing all Amateur Radio operations. As such, we wish to release the following call signs. VE1CRS, VE1ERV, VE1RCK, VE1RCT, VE1RCX, VE1RCY, VE1RCZ, VE1CRC. Please advise us of the steps necessary to de-register these call signs” Regards, Jason LaPierre”.

Please remove any and all Red Cross call-signs from any of our documents.

Thank you,
Joe MacPherson,
(former sponsor of these call-signs).

Hello Everyone!

Hopefully everyone has survived the hurricane with minimum damage!

The Advanced course will be starting on Saturday Oct 5th. Cost for the course is \$ 100 (includes book) or \$54 if you have your own book already!

If you are planning on attending please let me know and also let me know if you require a book as we only have 2 or 3 left from our last order.

Any questions or comments, please from me an email or a phone call
73, Jason, VE1PYE

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

HATS NEWS: SEPTEMBER 2019

WHAT IS THE NEWS?

Let me start with some **relevant personal news**. In July I travelled to Iceland and Norway to visit with friends and family. However, a day after arriving in Oslo I was hospitalized for three days to repair a detached retina. Four days after being discharged from the eye clinic, I was back in another hospital for 13 days with a serious case of pneumonia. I was finally able to return home on 6 August. This health set-back – and on-going health issues and personal priorities - have accelerated my plan to turn over the leadership of HATS to someone else as soon as possible.

Dave Musgrave, VE1EDA, is also looking for a replacement for his roles as the Winlink Practice Net and Training Program Manager as well as Membership and Records Officer. Also, we still need someone to take on the critical job of Training Officer.

In mid-July EMO held a callout exercise to test our ability to deploy efficiently and fill our emergency communications roles in the EOC). As is expected, some things went well and others not quite so perfectly. Understanding our shortcomings provides the greatest learning from our exercises. As I prepare this column for the *Reflector*, HATS has been activated as of 0700 on Sunday, 8 September, due to Hurricane Dorian. We will provide a report in the near future on the lessons learned from both events. The meeting of the Amateur Radio

Advisory Committee (ARAC), set for 4 September, was cancelled because of preparations for Hurricane Dorian in the EOC. Meanwhile, a timely HATS General Meeting took place on Thursday, 5 September with an Interesting talk by Andrew Boswell, CEO of Rimot, on **Monitoring Critical Infrastructure**, and a review of HATS/s status and preparation for the hurricane call out. The **Emergency Communication Technology Assessment Group's (ECTAG)** examination of the nature, usefulness and cost of establishing a high-speed MESH Network for handling emergency communications traffic in the Halifax Region is still underway and expects to report to our December HATS General Meeting.

One **training course** is lined-up for September, namely a Net Control Operator course on 28 September. There are already 10 registrations and room for only 15 participants, so let me know if you want to attend. It is open to amateur radio members of HATS with the basic Message Handling and ICS-100 courses completed. Experience with nets and exercises are also desired.

UP COMING EVENTS:

15 September at (Sunday) at 1930 hrs. the **WinLink Express Practice Net** resumes its regular Sunday evening schedule on 146.685 MHz. If you want more information about the net, please contact David Musgrave: veleda@bellaliant.net .

24 September (Tuesday) at 1900 hrs. **Exercise Handshake** takes place. It provides a monthly opportunity for new and experienced TMR2 users to

familiarize themselves with TMR2 radio functionality, test radio equipment and practice passing communications traffic in a non-emergency environment. More details at <https://beta.novascotia.ca/documents/exercise-tmr2-users-exercise-handshake>

28 September (Saturday) at 0930 – 1230 a **Net Control Operator (NCO) course** will be conducted at the Eric Spicer Building, 21 Mt. Hope Avenue in Dartmouth. The instructor, Joe MacPherson, VE1CH, is HATS' most experienced emergency communication specialist.

ACTION:

There are four key HATS Steering Committee **leadership positions that need to be filled**: a) HATS Coordinator; b) Membership and Records Officer; c) Training Officer; and d) Winlink Net Control Manager. If you are interested in **Joining the HATS Leadership Team**, please contact me.

Remember to submit your **HATS monthly volunteer time and travel data** 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: veleda@bellaliant.net

73 de Scott, VE1QD, Coordinator -
H a l i f a x A u x i l i a r y
Telecommunication Service (HATS)
Email: scott.ve1qd@gmail.com
Tele: 902 823-2191 (h)

I have heard many fellow HAMs in the Maritimes speak of interest in 6m ops. In an attempt to coordinate this interest and facilitate QSOs & learning I have created a chat group on <http://groups.io> Subscribe at MARCAN-6m+subscribe@groups.io

73 Pete VE1PS/VE9NPS Jul.27th:

*Daily prayer:
Please God, put
your arms
around my
shoulders and
your hand over
my mouth.*

John Penny's epitaph in the Wimborne, England, cemetery:
*Reader, if cash thou art in want of any,
Dig 6 feet deep and thou wilt find a Penny.*

**This Space Could Have
Contained Your Item**

-ed.

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 _____ .