



The Halifax Amateur Radio Club

REFLECTOR

PO BOX 8895
HALIFAX NS
B3K 5M5

February 2019, Volume 80 Number 2
club web site is www.halifax-arc.org



A Winter Break - our HAM Breakfast is booked for Feb.24, 10am at the Steak & Stein, Young St .

HARC Club Station phone number - 902-490-6421

Executive

President - Bill Elliott, VE1MR	865-8567	bowser.elliott@ns.sympatico.cm
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
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Station Manager: - Brian Allen, VA1CC	489-4656	basailor@eastlink.ca
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Safety Officer - Pat Kavanaugh, VE1PK		ve1phk@rac.ca
VA1MMA Project Manager - Dick Grantham, VE1AI		rgrantham@ns.sympatico.ca
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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 February 2019 General Meeting of the Halifax Amateur Radio Club will be held Wednesday, 20 February, in the training room at 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: Information session by Snows Funeral home about setting up a group for special pricing.

8:00-9:00pm General Business Meeting

Guests are welcome

When Insults Had Class.

"Thank you for sending me a copy of your book; I'll waste no time reading it."

- Moses Hadas

Deadline for submissions to the February Reflector is Saturday, March. 9, 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.



Feb. 17	Bill	VA1ALW
Feb. 24	Cam	VE1BIT
March 3	Peter	VE1PJW
March 10	Gary	VA1GGM
March 17	Bill	VA1ALW

A DC-10 had come in a little hot and thus had an exceedingly long roll out after touching down.



San Jose Tower noted: "American 751, make a hard right turn at the end of the runway, if you are able.. If you are not able, take the Guadalupe exit off Highway 101, make a right at the lights and return to the airport."

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.

A small group of amateur radio enthusiasts is **activating the Cape Spear Lighthouse National Historic Site**. The site ID is NL10

<https://www.pc.gc.ca/en/lhn-nhs/nl/spear>

The date of activation is February 21, 2019, at 10:30am NDT, 1400 UTC. callsign will be VO1NAR, NARP Field Operations Team.

Hams involved will be vo1zap, vo1crp, vo1web, and vo1idx.

We plan to be active 10-80m SSB only, with some Amateur Radio Satellites in the evening. The groups web page is <https://www.facebook.com/vo1nwp/>

February 3 until March 29, 2019 -

Alex, VE1RUS, will be in Eureka for a month starting on February 2 so **VY0ERC will be QRV from Eureka**, NU (NA-008) in SSB, Digital and CW, time and weather permitting.

Satellite activities from ER60, EQ79 grids are also scheduled.

73! Alex, VE1RUS

HAM Breakfast is booked for Feb 24, 10am at the Steak & Stein, Young St . Please email Jeremy at

ve1jhf.harc@gmail.com

with intention / numbers to attend

HARC's 2019 **Basic Amateur Radio Course** started at 9 am on Jan. 19 at the Hammond's Plains Fire Hall Station 50 (side door on left side of building, go upstairs). The classes will start every following Saturday at 9 am Co-ordinator is Jason, VE1PYE.

VE1PYE@bellaliant.net

Check our website for more info.

February 16 & 17 - **GOTA** (Guides On

The Air) is on Saturday Feb 16 & Sunday Feb 17. The HARC will be hosting a Guide group from 1330 to 1530 at the club station on Feb. 16.

Helen VA1YL will have Guides in to her shack. If you know some Guides, from Sparks to adults, you should get them on the air. Go to the web site to look for frequencies & stations to work. If you can't hear any stations find a frequency & put out calls. Many hams like to talk to kids, & if you are heard on the air by other stations, they will try to work you.

Helen Archibald VA1YL writes "We already have a few stations on the list. If you are taking part please complete the form on the Station List page of website www.guides-on-the-air.co.uk and I'll put your details on the list."

March 3 - The NSARA contest will take place each year on the first Sunday in March. See details at: http://nsara.ve1cfy.net/?page_id=82

mid-March - **HATS Field Exercise**

March 9 20:00 UTC through March 10, 20:00 UTC - **the 2019 Lightbulb QSO Party**.

The **SMART 2019** is scheduled for April 27 in Springhill at the Dr Carson & Marion Murray Community Centre. Registration is now open. Here is the link to the webpage for more information and registration.

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

April 7 & 8 - The 20th annual Shearwater Spring Hobby Show will be held at the Sea King Club, 242 Warrior Avenue, Shearwater, from 10 AM - 4 PM on Saturday & Sunday April 7 and 8. Craig, VE1MA, is willing to take the lead on HARC's display but will need lots of help as he will still be recovering from hip surgery.

The **Truro Newbie Round Table** most Sundays right after the Take-15 Net at 2100

THE HALIFAX ARC FLEA MARKET

WHEN

Saturday May 25th 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

Phone : 902-406-5327

Buyer entrance tickets will be pre-sold before 10 AM

Talk in frequency
146.970 - VE1CDN

Girl Guides on the Air is a special project of CLARA (The Canadian Ladies Amateur Radio Association) as well as for 'hams' who are interested or involved with the Guide & Scout movement. The idea behind it is to show the guides and their leaders the purpose of amateur radio and the usefulness it can play in many countries around the world. More information and FAQ's can be had by going to:

http://www.guidezone.sk1.com/i_ha_index.htm

The CLARA contact is Helen VE2YAK archibal@pubnix.net



Caddie Comment:

An interesting thing about Golf is that no matter how badly you play, it's always possible to get worse.



The WestCumb Amateur Radio Club has just installed and activated its first simplex repeater today at the Liecester Fire Hall located between Amherst and Oxford. For the full story go to

<https://atlanticamateur.ca/2019/02/07/simplex-repeater-active-in-cumberland-county/>

PRESIDENT'S MESSAGE for February, 2019

Hello everyone, finally the days are getting longer and the end of winter is in sight. The club is heading into a very active year and we need members to come forward to help at the upcoming events. Many of the people who have been volunteering for events are getting older and we need the younger and newer members to be come involved as their time permits. These events are a learning experience in organization, use of radios and a small way to help the club.

The Basic Course is well underway and I am hoping some of the class members will become involved in some of the club sponsored events. While the course does teach new members to pass the exam and gives some hands on learning they still need the guidance of the more experienced members. For the more experienced members sometimes just being there on the air or available on the telephone can be very helpful to new members.

There is still ongoing work on the club station and the remote station is running. The final patch panel is installed and some computer work remains. The room entrance keypads will soon be installed. The club station has been involved in Exercise Handshake over the past several months and weekly radio checks have been ongoing. If anyone would like to participate in either of these activities please contact the executive or the station manager.

73 - Bill Elliott, VE1MR, President of the HARC

Membership

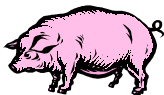
Our membership year runs from January 1 to December 31 and we are ready to start processing your renewals. In fact, we received 6 renewals at our November AGM. You can send an e-transfer to Treasurer, Bill Simm VE1ALW - williamham@live.ca Or you can mail in or give me a cheque made payable to the club. January 1st isn't that far away. If there aren't any changes from last year, just let me know that, otherwise, please fill in the membership form in the REFLECTOR and email it to me.

We have a BASIC course with over 20 participants starting in January so let's make them feel welcome and encourage them to become members.

Thanks,

Jim VE1PPA, Membership Chair

Chinese New Year was on 5th February, and this year it's the Year of the Pig!



Today a man knocked on my door and asked for a small donation towards the local swimming pool, so I gave him a glass of water.

HELP NEEDED

The annual Shearwater Hobby Show is on the 7th and 8th of April this year. Craig, VE1JMA is willing to take the lead but will be looking for help. For the past several years the same people have helped Craig but several of those people will not be able to offer help this year.

A couple of people are needed for set up on Saturday morning. A couple of people are needed to help man the table. Shifts can be arranged - generally Saturday morning then Saturday afternoon. Again Sunday morning and then take down later Sunday. Please consider spending a shift of 3 or 4 hours to help out.

This event offers good exposure for the club and the hobby.

CNPOTA National Historic Sites in HRM

NS15 D'Anville's Encampment - Encampment of failed French expedition to recover Acadia, 1746

NS19 Fort McNab - Fort built in 1889 to defend Halifax Harbour

NS22 Georges Island - Harbour fortification; contains Fort Charlotte

NS25 Halifax Citadel - Restored British masonry fort, 1828-56

NS30 Prince of Wales Tower - Late 18th-century stone defence tower, 1796-99

NS35 York Redoubt - Major seaward defences of Halifax Harbour from the American Revolutionary War until World War II

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 at 902-489-4656

or basailor@eastlink.ca or to our Club Website Manager, Brandon, VE1BMF, at bmfowler95@gmail.com and they will make your booking.



By the time you read this article we will be well underway with our Parks & Historic Sites On The Air project which has been invented, managed and controlled by Nova Scotia hams and we have the blessings of RAC and Parks Canada. A big shout out to Bill Elliott, VE1MR, Sheldon Hartling, VE1GPY, Doug McComber, VE1FAL, Ryan Hickman, VO1RCH, Rob Ewert, VE1KS and Doug Grace, VE1DFG. Without their contributions this project would never have come to be on the air. Similar to the American NPOTA but especially designed to activate our Canadian Parks & Historic Sites managed by Parks Canada. Visit cnpota.ca for details.

What you can do is very important. Get on the air and give out contacts to those who activate the Parks units and even better, go to a Park &/or Historic Site and get on the air. This is a yearlong event so there's lots of time to be involved. Help us out by participating as we have worked hard to make this happen and there's no cost to you for operating.

Come join the fun in 2019 and put your gear on the air and help us achieve our goal to be better than the NPOTA a few years back. HF radio, Satellite radio and 2 meter simplex are a few of the bands you can use. We are inviting you to our party, please take us up on the invitation.

See <https://cnpota.ca>

cnpota group

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 bmfowler95@gmail.com

Why do we drive on a parkway and park on a driveway ?

January - Winlink training by Neil Hughes, VE1YZ



From the Winlink webpage: www.winlink.org

Winlink is...

...a worldwide radio email service that uses radio pathways where the internet is not present, and is capable of operating completely without the internet--automatically--using smart-network radio relays. Winlink provides its users email with attachments, position reporting, weather and information bulletins, and is well-known for its role in emergency and disaster relief communications. Licensed Winlink operators/stations use both amateur radio and government radio frequencies worldwide. The system is built, operated and administered entirely by licensed volunteers. Support for the system is provided by the Amateur Radio Safety Foundation, Inc., a US 501(c)(3) non-profit, public-benefit entity. Winlink Global Radio Email is a US registered trademark of the Amateur Radio Safety Foundation, Inc.

73 Neil, VE1YZ

PUBLIC SERVICE / ARES VECTOR: Building Radio Skills for the Community

By Peter Conrad

In Vancouver, one Amateur Radio organization has found a way to take enthusiasts beyond certification and provide a variety of hands-on practical experience: the Vancouver Emergency Community Telecommunications Organization (VECTOR) offers a proficiency course to help members advance their skills.

When VECTOR member Patrick Jackman, VE7EPJ, got his Amateur Radio Operator Certificate in 2012 there wasn't much direct engagement with new Amateurs other than informal mentoring & a few events. "While studying for my license test, I didn't acquire or integrate much in the way of practical experience," he

says. "I was afraid to talk on the air, didn't know what kind of radio to buy and had a hundred questions but few people to turn to for answers."

Jackman saw both a challenge and an opportunity. Without guidance, notes Jackman, people just drift away from the organization – a great loss of potential for service to the community. With mentorship from a true Elmer - Bryan Farrar, VE7BFY, Jackman joined the VECTOR Board of Directors and proposed a course for new members. The goals were manifold: get more VHF radios into people's hands and train more people at once, while building a pool of mentors to model good technique. The course is designed to go beyond the nuts & bolts of communication, giving practical experience in the world of emergency communication

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VECTOR (Continued from page 4)

and improving skill retention via assignments & repetition.

The result: the VECTOR Radio Skills Course, a 10-hour course conducted on 4 consecutive Tuesdays, plus 4 additional one-hour instructional on-air nets on Wednesdays. The course gives people the confidence to use their radios and lets them practice skills like passing traffic in a comfortable setting where they can ask questions. Says Jackman: "Our course covers things you would not experience just by starting on the air as a hobbyist: message logging, radiograms, tactical net protocols including efficient station identification, operation across concurrent directed nets, and other skills." Every week, the participants take what they learned in the classroom and apply it on the air the next evening during the instructional net.

Since the course was first delivered in 2013, it has doubled from one to two offerings annually, with over 30 people now finishing the course every year.

The City of Vancouver is keenly aware that an earthquake or other disaster can strike without warning and have set up a partnership with VECTOR to provide emergency communications if the telecommunications infrastructure is damaged. The Radio Skills course is instrumental in preparing VECTOR members to assist during emergencies. One clear reason for the planning & preparation is the looming threat of a major earthquake, which could happen in Vancouver any time.

The VECTOR Radio Skills course builds competency in topics from the basics to more advanced skills, provides a look at the future, and helps build a network of people who can respond in an emergency as full-fledged VECTOR members.

Basics:

- Phonetic alphabet practice
- Small group call sign introductions
- Repeater vs simplex operation

- Getting on the air
- Introduction to the VECTOR net
- Tips for new Amateurs

Messaging:

- Net formats and styles
- How to participate in Directed Nets
- Procedural words
- Passing radiogram messages
- Station logs
- Checking in to other nets

Next steps:

- What is APRS?
- What is digital radio?
- IRLP, Echolink, Allstar
- Sending email via radio
- How to choose your first radio

VECTOR

- The VECTOR Activation Guide
- VECTOR Field Work
- The VECTOR Grab and Go Kit

During an incident, VECTOR members immediately go to one of 6 zone-based response centres or the City Emergency Operations Centre (EOC) to set up communications stations which form the primary communications link to Emergency Social Services who set up reception centres & group lodging sites.

Active VECTOR members form a nucleus of capabilities around which the broader community of hundreds of VECTOR alumni and thousands of other Amateur Radio operators can turn out and help when the need is greatest.

Amateur Radio can play a role whenever other communications systems are thrown into disarray, but not without knowledge & organization. To provide effective help to the community it is critical to know the protocols, who is in control, and what each person's role is. During a crisis, it is important to have a steady supply of skilled people who can work under pressure. This is one of the strongest benefits of the Radio Skills course. VECTOR member Linda Peterson, VE7LMP, described her experience as others have: it is intimidating to check in on the air, and without guidance it is hard to continue building skills.

Peterson notes that the course is

helping the organization retain members longer and deepening the relationship people have with radio. "People who have taken the Radio Skills course are more engaged than people who were joining years ago," notes Peterson. "Course participants move into the VECTOR organization and take on roles they otherwise wouldn't."

A few months ago, VECTOR performed an exercise to practice in case of an earthquake. Following directions in VECTOR's Emergency Activation Field Guide, participants tuned to the organization's primary repeater frequency and prepared to join a net.

VECTOR member Stuart Watson, VE7SWS, arrived on frequency, assumed control of the net, and began managing checkins. Thanks to the Radio Skills course, Watson knows he could be of real use during a real emergency. "The course gave me the confidence to approach & join the net control team."

For VECTOR as a whole, the course has had a number of positive effects. The instructional nets & exercises help the broader membership freshen their skills, overcome new challenges and solidify VECTOR's reputation as a learning environment. The course also attracts women & young people to radio, helping maintain a strong population of skilled operators. Even when people end up leaving the organization after training, they are competent to be of real service if they are ever called on.

The VECTOR Radio Skills course is an approach to community outreach & leadership that could be modeled by other organizations. Whether they partner with emergency services or not, radio groups should consider identifying people with the interest & skills to mentor others and help them reach their full potential as Elmers.

Organization & education are VERY important to nurture a population of skilled radio operators. Helping operators to teach and engage others

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Halifax Amateur Radio Club Minutes of the HARC Monthly General Meeting 16 January 2019

1. Welcome to the HARC monthly meeting for January 2019. 2017 AST called to order

2. Report of any Silent Keys
November 26 - VE1PQ - Robert Barry "Bob" Swinwood - Bedford NS
November 29 - VE1AUI - Roy Freeman Harding - Margaree Valley NS
December 5 - VE1HFC - Harold Frederick Crawley - Windsor NS
December 12 - VE9DMD - Dallas MacDonald - Glennwood NB
December 30 - VE1KLF - Lorne Finley - Halifax NS
January 2 VE9PH - Patrick Hughes - Moncton NB
January 6 - VE1CDD - John Goodwin - Lower Sackville NS
January 14 - VE1RCN - David McHattie - Greenwood NS

3. Roll Call: 33 present

4. Acceptance of the Agenda: Moved by Doug VE1LDL; seconded by Brian VA1CC

5. Approval of Minutes of 21 November 2019 as printed in the Reflector:

Moved by Dick VE1AI; seconded by Scott VE1QD, motion carried

6. Correspondence: Nothing to report

7. President's Report: Bill VE1MR, Continuing to get club aligned, busy times.

8. Treasurer's Report: Bill VE1ALW, Monthly Report given, Reported members paid to date, reported income and expenses. Ahead for the month, motion to accept,

Moved by Bill VE1ALWL; seconded by Rich VA1CHP motion carried

9. Other Executive Reports: None

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

Membership Report - Jim, VE1PPA

43 renewals for 2019, 4 life, 19 complimentary members, 88 remaining to renew, Any HATS timesheets please submit

EMO - Dave George, VE1AJP recovering from knee surgery

Search & Rescue - Dave George, VE1AJP Nothing to report

Station Manager Report - Brian, VA1CC One patch panel remaining to be installed, Bill Elliott has been getting gear wired up to the antenna, the remote station is getting very close to getting on line, still need static IP from Bell. Fraser been in each Sat AM to test AMR and on 3685 for Fire Department.

Satellite work remaining, grant request for two new radios, remote doors bells arrived will be installed before class this weekend. Discussed 900 mhz antenna alignment.

HATS - Scott, VE1QD Good year in 2018, started with eXec meeting and general meeting 15 attended another meeting Scott away for a couple of months, name to fill in, MMA meeting Thursday at 11.

Other reports:

Christmas Party report 50 people at the Lacewood Swiss Chalet, lots of conversation. Plaque awarded to Scott Wood VE1QD HARC Amateur Radio Operator of the Year, in appreciation for all Scott has done for HARC.

11. Old Business:

a) Bill VE1MR, went over the **2019 budget** in order to hold the required **second vote**. QST, RAC, AMSAT subscriptions items discussed. Second vote on the 2018-2019 budget.

Moved by Sheldon VE1GPY, seconded by Allister VA1PAB, Motion carried.

12. New Business:

13. Round Table - Member

News: the brief sharing of important personal news.

Sable Island trip coming up Al Penny, discussed special sites for parks on the air, put the local ones in the reflector, maybe all of the parks and historic sites. Discussed site activation requirements and procedures, ie log submittals, activators and chasers.

14. 50:50 Draw #5067 Brian VA1CC winner

15. The meeting was adjourned on a motion by Doug, VE1LDL

Respectfully submitted by Roger Stein, VA1RST - Secretary

A VISITOR FROM BEYOND THE KUIPER BELT:

On Feb. 12 and 13 Comet Iwamoto (C/2018 Y1) will make a rare visit to the inner solar system, passing by our planet only 0.3 AU (45 million km) away. Last night in Jauerling, Austria, amateur astronomer Michael Jäger photographed the green comet approaching in the constellation Virgo:

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will help build new talent within the organization.

For those organizations who also have a good relationship with emergency services, the benefit to the general population can't be overstated.

"We rely so heavily on the trust that the police & fire departments will know what to do - why would they need us? - but they do need us."

To contact VECTOR, email to outreach@vectorradio.ca
Or visit <https://vectorradio.ca/>.

Silent Key

I found Ed Banks VE1BYT in the obits today. He was a brother of Robert VE1RRR who became a silent key years ago.

Spud

S.M.A.R.T. 19
www.westcumb.ca

The WestCumb ARC in Amherst Nova Scotia will once again be hosting the 4th annual **Symposium for Maritime Amateur Radio Technicians** on Saturday April 27th, 2019 at the Dr. Carson & Marion Murray Community Center, 6 Main St., Springhill NS.

- Talk-In (Amherst VE1WRC 147.285+)
- Doors open at 7am for volunteers, vendors and presenters
- Doors open at 8am for general public
- Entrance fee (\$5 dollars)
- Tea, coffee, cookies, muffins available upon arrival
- Classes begin at 9am.
- 12 classes (6 morning + 6 afternoon)
- Multiple door prizes.
- Tickets available for 50/50 and grand prizes
- Amateur radio displays
- Flea market in the arena
- Lunch hour 12 noon–1:30pm
- Canteen available throughout the day (cash only)

If you're interested in attending this year's event fill out the registration form on the WestCumb ARC website at

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

NOTICE: Your registration is important as it helps us to prepare the rooms, stock the canteen and order food for the lunch hour. Any questions contact Jim Langille VE1JBL at

jimve1jbl@gmail.com

Making CNPOTA Contacts - Sheldon Hartling, VE1GPY, writes
Sheldon Hartling Well, that was fun!!

44 contacts on 20M and 14 on 40M. My log file is uploaded. Big thank you to Chasers who've already uploaded their logs! We've successfully activated "NS35" for the first time!

-7 degrees C (20 degrees F) with a strong NW wind and bitter wind-chill!

I had an appointment "in town" at the Apple store mid-afternoon and decided to take my new Icom IC-7300 for its first outing. This is only my second time using the radio. It's my 4th SDR radio and I'm really impressed!

I used a dedicated 12V SLA Car Battery with Rigrunner fused distribution, the Icom IC-7300, and a Hustler mobile antenna with tri-band resonators for 20M/40M/80M with quick disconnects. This was also the first real test of the new antenna. What a treat. It literally set up in seconds and worked great.

As usual, in this part of the solar cycle, the bands weren't great. 20M was open but at times noisy with a lot of QSB. A faintly heard station would boom in on the over and then fade away again. Made it fun. I waited a little late to switch over to 40M, trying to milk the activity on 20M. By the time I switched, the European AM shortwave stations were strong on the high-end of the band where my antenna was tuned. I did end up with some DX contacts in England, Italy and the Canary Islands 😊.

The hustler works really well on 40M and 80M but has a narrow Q and it's not frequency-agile on these bands. I'll have to try tuning for different parts of the 40/80 bands and marking the adjustable whips with a black marker to allow some (reasonably) quick in-the-field adjustments.

All-in-all, a good time. Thanks again to all my contacts and especially to the Chasers who quickly uploaded logs and confirmed the activation!

As a note to CNPOTA activity there is one very keen operator who has already made 5 Star Activator on the first day. Peter Kobak, KOBAK activated 6 Parks units on January 1, 2019.

Silent Key

McHATTIE, David Leslie – Age 81, of Greenwood, Kings Co. Born on September 19, 1937, and passed away at Soldiers' Memorial Hospital, Middleton, on January 14, 2019. Born and raised in Toronto, Ont., Dave was the youngest son of the late John and Irene (Craig) McHattie. At the age of 19, he joined the R.C.N. and served on land bases and several ships in the fleet. While he was in Cornwallis he met Mary and they married in 1960 and settled in Dartmouth where they raised Christopher and Tracey. On retiring from the navy he entered the mature student program at St. Mary's University. On graduation he joined the Dept. of Education as Senior Councilor-Student Aid. When he and Mary retired they moved to Greenwood and became "Snowbirds" wintering in Lakeland, Fl. Dave was always civic minded and involved with Amateur Radio, CPO's and Lions Club. He was also a founding member of the Dartmouth Colts Hockey Team. He coached hockey and lacrosse in his early years. Cremation has taken place and his ashes will rest in Stadacona Chapel until he goes back to the sea he loved. A service will be held at the Kingston Lions Hall, 1482 Veterans Drive, Kingston, on Thursday January 17, from 1:30 - 3:30pm. No flowers by request, donations in his memory may be made to your local food bank. Online guestbook may be signed by visiting: www.middletonfuneralhome.com

From the Mail Bag

*Why do Kamikaze pilots
wear helmets?*

Subject: Morse code keyboard 1939 style! | Southgate Amateur Radio News

<http://www.southgatearc.org/news/2019/january/morse-code-keyboard-1939-style.htm#.XDlwe6RyaEc>

If you want to learn Morse code and you don't have a teacher, you'd probably just head over to a website or download a phone app. Before that, you probably bought a cassette tape or a phonograph record. But how did you learn Morse if you didn't have any of that and didn't know anyone who could send you practice? Sure, you could listen to the radio, but in 1939 that might be difficult, especially to find people sending slow enough for you to copy.

Wireless World for August 3rd, 1939, has the answer in an article by [A. R. Knipe] on page 109. While you probably wouldn't use it today, it is a great example of how ingenious you can be when you don't have an Arduino and all the other accouterments we take for granted today.

<https://hackaday.com/2019/01/09/morse-code-keyboard-1939-style/>

Our thanks to Stephen, G7Vfy for spotting this item

When it comes to chocolate, resistance is futile.

Some participation stats, so far:

CNPOTA Facebook group has 75 members
cnpota.ca has 400 subscribers

83 distinct callsigns have uploaded files.

QSOs with 581 distinct call signs were reported during activations

QSOs with 76 distinct call signs have been confirmed during activations

... A lot of unreported chasing.

73, Sheldon, VE1GPY

VY0ERC will be QRV from February 3 until March 29, 2019 from Eureka, NU (NA-008) in SSB, Digital and CW, time and weather permitting.

Satellite activities from ER60, EQ79 are also scheduled.

QSL via: <https://www.m0oxo.com/>

Updates are posted at:

<https://twitter.com/vy0erc>

<https://www.qrz.com/db/VY0ERC>

Fundraiser campaign to enhance VY0ERC activity on 40 and 80m:

<https://www.gofundme.com/vy0erc-on-40-&-80m>

E-mail: vy0erc@gmail.com

Hi Jeremy, I hope this note finds you well. Another fundraising season at the Multiple Sclerosis Society of Canada, Atlantic Division has come to a close. With your incredible support, I'm very pleased to report that our events realised outstanding results once again this year. On the strength of our sponsors, volunteers, donors, and of course our dedicated event participants, the 2018 MS Walk and MS Bike campaigns raised more than \$733,000! Thank you.

The MS Society has a dual mission: to support individuals who live with multiple sclerosis and to find a cause and cure for the disease. Thanks to sponsors like the Halifax Amateur Radio Club, we are able to offer a wide range of services for families affected by MS by providing information and referral, support and self-help groups, education, recreation and social programs as well as financial assistance.

In addition to these programs, your support also helps us invest in exciting and innovative research projects. Over the past year, the MS Society of Canada has contributed millions of dollars towards continued research in the areas of Progressive MS (including the release of the very first drug therapy for this form of the disease), diet and exercise and its effects on MS, stem cells, and vitamin D to name a few. Your support plays a critical role in allowing this important research to take place.

I am pleased to attach copies of our 2018 Event Reports which highlight all of the past year's event success. Also attached are 2019 Sponsorship Renewal Agreements. We are extremely grateful for your key support and would love to welcome you back for 2019! If everything is found to be in order please sign, date, and return the agreement form to me at your earliest convenience. If you have any questions at all, please do not hesitate to contact me at (902) 800-3226 or email tim.dunlop@mssociety.ca.

Thank you once again for your incredible support of our signature events here at the MS Society. I look forward to continuing our outstanding partnership well in to the future.

Tim Dunlop | Director, Development | Atlantic Division
MS Society of Canada | 1-109 Ilesley Ave | Dartmouth, NS B3B 1S8
P: 902.800.3226 | 1.800.268.7582 | F: 902.468.5328 | tim.dunlop@mssociety.ca
mssociety.ca | mswalks.ca | msbike.ca

HATS NEWS: February 2019

There is no HATS Newsletter this month, since I am currently in Mexico and have been unable to gather and put together some relevant information. I will endeavour to provide a Newsletter in the March Reflector. Scott, VE1QD

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 & Emergency (HRFE)

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

With the addition of Newfoundland/Labrador the Maritime Amateur has grown to become the Atlantic Amateur

The Atlantic Amateur. "Ham Radio Digest for Atlantic Canadians" is at www.atlanticamateur.ca

The Atlantic Amateur

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

Women spend more time wondering what men are thinking than men spend thinking.

IARU Region 1 Youth Contesting Program Wants to Enlist More "Big-Gun" Stations

from the ARRL website 02/08/2019

International Amateur Radio Union Region 1 (IARU-R1) Youth Working Group Chair Lisa Leenders, PA2LS, said young operators (age 26 or younger) in Region 1 (Europe & Africa) have been invited to participate in the Youngsters on the Air (YOTA) Youth Contesting Program (YCP).

"Youth members from IARU Region 1 member-societies are invited to take part in a contest from so called 'Top Gun' stations," she said. "These young hams will learn how to operate the contest station, improve their contest skills, and aim for the best results together as a

team." Leenders said long-time YCP partners 9A1A, ES9C, and 4O3A are already on the schedule of host stations. Additional stations are welcome. LX7I will join the roster during the ARRL International DX Contest (SSB), and LZ9W, OZ5E, and DP9A will be available for other contests later this year.

More information and an application form is available on the YOTA website.

Inspired by the YOTA YCP, the unrelated Young Amateurs Radio Club (YARC) Youth Contesting Program (YCP) wants to match groups of enthusiastic young contesters with top contest stations to gain operating experience during the CQ World Wide WPX SSB Contest over the March 30 – 31 weekend.

Silent Key

VO1FJM - Frederick James March
With regret, I wish to inform you of the passing of Fred/VO1FJM Frederick James March VO1FJM May 7, 1935 - January 29, 2019 Passed peacefully away at home in the presence of his loving family on Tuesday, January 29, 2019, Frederick James March of Green's Harbour, aged 83 years.

The Space Station

<http://www.wimp.com/orbitaltour/> will take you to the Space Station and a "personal tour" by Sunita Williams. She explains how all aspects of human needs are handled. It lasts about 25 minutes.

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

Silent Key

VE1BTI - Rhéal Hébert
With regret, I wish to inform you of the passing of Rhéal/VE1BTI. His obituary can be viewed at <http://elhatton.com/English/Obituaries/131366/>

The 2019 Lightbulb QSO Party.

March 9, 2019 20:00 UTC through March 10 20:00 UTC

Contest info is at <https://hamsignal.com/blog/the-lightbulb-qso-party>

The Objective of the Lightbulb QSO party is to

1/ build & use an antenna constructed in a manner so that the lightbulb is the main radiating element and to

2/ promote understanding & practical application of antenna matching concepts that allow a lightbulb to be used as a radiator in 2-way radio communications.

Skeptical? Check out work that has already been done to prove that a lightbulb-based antenna can be used in QSO's over significant distances at hamsignal.com.

ISS Packet Radio System is Back in Operation with New Equipment

from the ARRL website 02/08/2019

The Amateur Radio on the International Space Station (ARISS) replacement packet gear arrived last November and had been awaiting unpacking and installation. ARISS hardware team members on the ground were able to locate a functional duplicate of the old ISS packet TNC module that had been in operation for 17 years and had

become intermittent. Crew members installed the new module on February 2; the RF gear remains the same.

The ISS packet system, located in the ISS Columbus module, went down in July 2017, but unexpectedly revived the following summer. The packet system operates on 145.825 MHz. ARISS is an official back-up system for astronauts to talk with Mission Control in the unlikely failure of the station's primary communication

systems.

In 2017, hams relayed nearly 89,000 packet messages via the ISS; response to its recent return has been enthusiastic, ARISS said.

Contribute to the all-new radio system set to launch this year via the ARISS website. For more information, contact ARISS-International Chair Frank Bauer, KA3HDO, or ARISS ARRL Delegate Rosalie White, K1STO. — Thanks to ARISS

**HALIFAX AMATEUR RADIO CLUB MEMBERSHIP - For 2019**

- ☐ Same address as last year ☐ New address
- ☐ I would like newsletter as PDF E-Mail (Please note by taking the newsletter online you save the Club significant mailing and printing costs)
- ☐ I would prefer to have the newsletter mailed to my home **at an additional cost of \$10.00 to the regular membership fee structure below..**



E Mail Address _____ (Please provide for our files)

Call Sign _____ Are you currently a RAC member? _____

First Name _____ Initial _____ Surname _____

Street Address (Mailing) _____

City/Town _____ Province _____ Postal Code _____ Telephone Number _____

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

☐ Family membership (one newsletter) (\$30.00)* + \$20.00* each additional person.* Amount submitted \$_____.

The membership year is from January 1 to December 31.

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

Please fill in method of payment ☐ cheque ☐ cash ☐ Interac/e-transfer

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

CARD _____

ENTERED _____

Or if using Interac e-transfer to pay, please follow the instructions on the HARC website's Membership page for e-mailing this form and your Interac funds.

Payment Options ... In addition to mailing a cheque to the Club mailing address along with the application form, or paying at the January Club meeting, we have set up an electronic money transfer process. Go to the H.A.R.C. Website's membership page at <http://www.halifax-arc.org/pages/membership.html> for more details.