The Halifax Amateur Radio Club



REFLECTOR



2050 Hammonds Plains Road Hammonds PlainsNS B4B 1P3

April 2020, Volume 81 Number 4

club web site is www.halifax-arc.org

Due to the fact that we cannot pick up mail all members of 2019 and 2020 will receive the Reflector

HARC Club Station phone number - 902-490-6421

Executive

President - Brian Allen, VA1CC 489-4656 basailor@eastlink.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: -John Bignell johnmbignell@gmail.com

Station Manager: - Don Trotter, VE1DTR don_trotter@hotmail.com

Past President - Bill Elliott, VE1MR 865-8567 bowser.elliott@ns.sympatico.c

Director Emeritus - Bill Elliott, VE1MR 865-8567 bowser.elliott@ns.sympatico.ca

Committees/Offices/Prime Contacts

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QSL Bureau Mgr - Murray MacDonald (VE1BB) twomacds@ns.sympatico.ca
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2020 Field Day Coordinator John Bignell, VE1JMB 223-1945 johnmbignell@gmail.com

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.s

RAC Section Manager – Dave Hull, VE1HUL d.hull@ns.sympatico.ca RAC Assistant Director for HRM Scott Wood, VE1QD, 823-2191 ve1qd@rac.ca

Take-15 Net Controllers This will be the rotation. We need more net controllers. If you want to join, let Bill Elliott, VE1MR, know.



April	12	Bill	VA1ALW	
April	19	Cam	VE1BIT	
April	26	Peter	VE1WIN	
May	3	Gary	VA1GGM	
May	10	Bill	VA1ALW	
May	17	Cam	VE1BIT	

Please send any issues (broken links, missing information, etc.) found on the H.A.R.C. Website to our Website Manager, Brandon Fowler, VE1BMF, at bmfowler95@gmail.com

Deadline for submissions to the May 2020 Reflector is Saturday May 9, 2020 All phone numbers must be preceded by area code 902 when dialling, unless otherwise indicated

The April, 2020 General Meeting of the Halifax Amateur Radio Club will be held Wednesday, April 15 – the method to be determined. Check your e-mail for details as the date approaches. Also check the web site for any other updates. Currently there is no access to Station 50.

Due to the global pandemic most if not all events have been cancelled. See page 2 for coming events. You can also read about possible alternatives for some events in the following pages.

Since the March meeting was cancelled we will attempt to approve the February General Meeting Mintes if we have a quorum at the April meeting.

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 and TX tone 151.4 Hz

VE1HNS - 146.940 MHz - TX=82.5

PACKET: VE1NSD 145.050 MHz LAN NODE

Event for Your Calendar

The Shearwater Hobby Show is cancelled

SMART 2020 is cancelled

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May 23, - the **2020 Downeast Fleamarket** is cancelled

Field Day 2020 – June 27-28 Is currently being looked at – see other articles on the following pages.

The 2020 Downeast Fleamarket is cancelled for May and we are looking into possible dates later in the year. It might be likely that we cannot hold a flea market this year. We will book a date for 2021 while we are investigating what we can do in 2020.

From – Bruce Wade, VE1NB

It was an interesting hour. I sent "SAH", as I wasn't sure if I could spell that many words correctly in a sequence. Live.

We should do more, with more local talent on the air.

sent from an aged Dell laptop, by an antique Mariner

NOTICE

The club has purchased a new supply of Anderson Power Pole connectors and we need to count, bag and insert an instruction sheet into bags of 10 sets of connectors. Each connector set consists of a Red body, a Black body and 2 contacts. A small group of people can do this task in a fairly short time. If you are interested in helping please let Bill, VE1MR know by e-mail at:

bowser.elliott@ns,sympatico.ca

This will be scheduled once we can get back into Station 50.

STAY HOME QSO PARTY

A few nights ago, Bruce, VE1NB called me and said he had an idea that might be fun, especially since we are all home and the DX is only so so these days.

Also Bruce and Mike VE1ANU and I are on UHF almost every night, chasing DX together. Bruce suggested that we have a contest with just the three of us some evening.

The rules are simple, only 1 hour, all on the same band (40 Meters), same mode (CW), same power (200 Watts) and only vertical or wire antennas.....neat idea I saidlets try it.

I had also recently heard several stations, on the air, sending little notes like "Stay Home" after sending their signal reports like "599 Stay Home"; so I suggested that we should use that as our exchange......see how many stations we can work in the hour send that message and get back together on 444.350 + repeater and compare numbers at the end of the hour.

Well.....well......the band was in reasonable shape, but sort of quiet at 23:00 local last Thursday evening (2 April)the pressure was mounting....the sweat was pouring out.....coffee was within reach (or maybe it was beer).....the SWR checked, keyer programmed...... and then it was time 23:00 GO.... we were spread about 8 KHz apart and the CQ's started..... after only one or 2 CQ's the stations started calling us and we sent our "599 Stay Home", QRZ and on to the next one...... Several of the stations responded

with "Stay Safe".....and an HI and off we went for a crazy hour.

Then we were spotted on the DX cluster and the roof fell in on us....some of the stations worked all 3 of us......OMG it was fun. It was difficult not to chat to old friends that called but the pressure was on.....time for counting is when the dealin's done........

At the 00:00 time the rigs went quiet and UHF came alive.... How'd ya do?, asked Mike......so we compared notes.....look at the results....

VE1NB Bruce

33 QSO's 13 countries

VE1ANU Mike

33 QSO's 10 countries

VE1AI Dick

35 QSO's 10 countries

too close to call Can you believe it......

I gotta say...it was a blast.....Mike said "the most stressful hour of



his life".....LOL......I said I met a lot of friends and we wanted to chat......Bruce said "Dick did you say Stay Home to everyone?"...and I said I exchanged names ... with a lot as well.......LOL

What a fun thing....we may have started a new ham event.....Virus stay at home local DX QSO Hour contest......should we do it again?

Dick Grantham, VE1AI

PRESIDENT'S MESSAGE for April, 2020

Hello club members: well, we are going into another week of isolation and events continue to be cancelled well into June and beyond. There seems to be no end date to this pandemic in the foreseeable future. Based on the current cancellations, our Flee Market will not happen in May, but the executive IS looking into future dates when this may take place. Following our Flee Market is the Field Day event in June and according to the ARRL, field day will have to take on a new look. I encourage everyone to read their article that can be found on Google by typing In ARRL field day 2020 and then look at the article called ARRL field day 2020-a time to adapt. Please read this article remembering that gatherings and parks closings etc. will still be in effect.

I hope everyone has taken the opportunity to get on the air during this time of house arrest...it is our way of social distancing and has been for so many years. Yes, I know propagation is not all that good these days as it seems to be taking a break as well. How ever for those who want to get into cw or rtty or ft8 this is sure the time to do it – you are home anyway, why not improve or expand your skill sets and have some non pressure fun. Contests are typically on most weekends from simple 1 hour qso parties to full blown contests such as the wpx world wide, and so on.. again just some fun that our hobby offers. I certainly hope that our membership will get on the air in what ever form it may take.

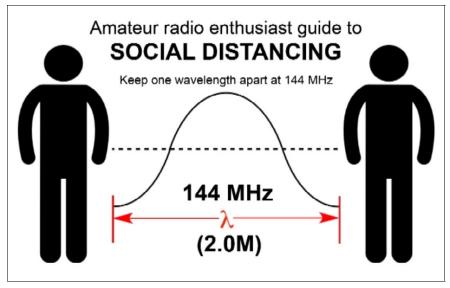
Our technical committee will meet on Tuesday night where I have invited the executive to join in this meeting to discuss Field Day and how we might be able to take this on and what strategy to use to make it a success. The technical team has done amazing work with regards to our internet, remote station setup and testing and more items than I can list here. I always look forward to Don's, VE1DTR meeting even as a observer as there is always a lot to learn. Look forward to seeing Don's report in the Reflector in the near future.

PLEASE remember that our club is closed as is the station 50 building: DARC is closed, again, so is the Spicer Building. In this regard I know that several of our members have probably sent in there memberships via mail and rest assured that as soon as we can gain access that we will process them as soon as possible, so every one be patient please.

There is not much else to say other than everyone please be safe and abide by the routine of washing hands, blowing or sneezing in to your elbow and of course the 6ft social distance that hopefully will slow down the spread of this vicious virus. You are all in my thoughts and prayers.

Thank you

73 - Brian Allen, VA1CC, President of the HARC



- * I used to spin the toilet paper like I was on Wheel of Fortune. Now I turn it like I'm cracking a safe.
- * I need to practice social distancing from . . . the refrigerator.
- * Still haven't decided where to go for Easter . . The Living Room or the Bedroom.
- * PSA: every few days, try your jeans on just to make sure they fit. Pajamas will have you believe all is well in the kingdom.
- * Homeschooling is going well. 2 students suspended for fighting and 1 teacher fired for drinking on the job!
- * I don't think anyone expected that when we changed the clocks we'd go from Standard Time to Twilight Zone.

Get on the Air on World Amateur Radio Day" Spe- tors, who give so much during these times of crisis, cial Event: Saturday, April 18

https://www.rac.ca/get-on-the-air-on-world-amateurradio-day-event/

On Saturday, April 18, 2020 (1200Z to 2359Z), Radio Amateurs of Canada is organizing a special on-air event to celebrate World Amateur Radio Day.

Every year on April 18, Radio Amateurs worldwide take to the airwaves in celebration of Amateur Radio and to commemorate the formation of the International Amateur Radio Union (IARU) on April 18, 1925.

World Amateur Radio Day is the day when IARU Member-Societies can show our capabilities to the public and promote global friendship among Amateurs worldwide.

The theme of World Amateur Radio Day (WARD) is "Celebrating Amateur Radio's contribution to Society" and this is especially relevant given the important role Amateur Radio will play as the current global crisis unfolds.

IARU President Tim Ellam, VE6SH, provided the following message:

COVID-19 crisis. A few short weeks ago many of us could not imagine the levels of isolation that we are now dealing with and the sacrifices of many on the frontlines of the pandemic. As we have done in past challenges to our society, Amateur Radio will play a key part in keeping people connected and assisting those who need support.

Having come off my own 14-day isolation after returning from an overseas trip, I am touched by the kindness of strangers who assisted me when I was unable to leave my house. It strikes me Amateur Radio opera-

are not limited to assisting over the air. Amateurs are true volunteers and I would encourage everyone to assist in the community as they are able to.

My wish for this World Amateur Radio Day is for everyone to stay safe, follow the advice of medical professionals and use Amateur Radio and your skills to help us through this crisis."

Radio Amateurs of Canada has decided to hold a new "Get on the Air on World Amateur Radio Day" special event in which we encourage as many Amateurs as possible to get on the air and contact as many RAC stations as possible.

RAC official stations will operate across Canada from 1200Z to 2359Z on April 18. The RAC official station call signs are VA2RAC, VA3RAC, VE1RAC, VE4RAC, VE5RAC, VE6RAC, VE7RAC, VE8RAC, VE9RAC, VO1RAC, VO2RAC, VY0RAC, VY1RAC and VY2RAC.

Those contacting one or more of these stations will be eligible for a special commemorative certificate noting their participation in RAC's Get on the Air on World Amateur Radio Day Event

"As I write this the world is in the midst of battling the Note: Starting at 1800Z, VA3RAC will be active in the Ontario QSO Party and will be sending the contest exchange. Stations contacting VA3RAC after 1800Z are encouraged to send their contest exchange in return (state/province/country or Ontario county).

> For more information on World Amateur Radio Day and the special event please visit:

https://www.rac.ca/operating/world-amateur-radioday-april-18/

Glenn MacDonell, VE3XRA President, Radio Amateurs of Canada

Don't Mess With The Field Day Rules

6 April 2020 | by Bob KØNR | Share | Leave a Comment (5)

Given the Chinese/Wuhan/COVID virus situation, many hams are anticipating a change to their ARRL Field Day operation. I've also seen a number of proposals to modify the FD rules to allow for a different kind of operation. I appreciate that kind of thinking outside the box but I think it is misguided. One of the strengths of FD is it already has a set of flexible rules and operating classes, so you can adapt it to what you or your club wants it to be. See my post: ARRL Field Day – Season to Taste Some Ideas:

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Some countries around the world are now allowing I am usually most active on 20m and 40m, split be-Radio Amateurs to use special "STAYHOME" call tween SSB and FT8. sign suffixes.

https://www.rac.ca/special-event-vc2stayhom-nowactive/

Michael Shamash, VE2MXU, is using VC2STAY-HOM to raise awareness for social distancing during the COVID-19 pandemic and global public health emergency. He is a member of Radio Amateurs of Canada and is based in Montreal.

"In Canada we are unfortunately limited to a 7character prefix, hence the VC2STAYHOM without the last 'E'. I would like to thank those at Innovation Science and Economic Development Canada (ISED) for expediting the process and allowing me to get this call sign up and running within a couple of days, without the traditional 60-day wait period.

I'm hoping that by using this call, I can help promote social distancing across the globe (or as far as my 100watt rig will get me!) and remind people that we each have a role to play in helping contain the spread of this A60STAYHOME: United Arab Emirates virus.

I will begin using the call on Monday, April 6, once the issued authority to use it begins, until the time it expires on Wednesday, May 6.

As a full-time undergraduate student in microbiology transitioning to Graduate studies in the fall, my schedule is quite busy over the next few weeks but I will try my best to get on the air and make contacts with those who would like this unique VC2 prefix and suffix in their logs!

Before the COVID-19 crisis arrived in Canada, we were already discussing its possible implications in classes. That's when I came up with the idea to get a call sign set up, and with the recent 'stay home' and 'shelter in place' orders issued by many governments worldwide, the time felt right to do so, and it would give those who are stuck at home one more fun aspect of the hobby to work on!"

Michael will operate on HF Bands and QSL via Logbook of the World (LoTW).

In addition to Canada, Australia has permitted the Radio Amateur Society of Australia (RASA) to use the special call sign AX2020STAYHOME. At 14 characters, that may set a record for world's longest call sign.

Here are some other special event call signs:

8A1STAYHOME: Indonesia

9K9STAYHOME: Kuwait Amateur Radio Society

HZ1STAYHOME: Saudi Amateur Radio Society

In addition, Turkey has permitted the use TC1STAY-HOME as a special event call sign for the awareness of COVID-19 pandemic.

"For a couple of weeks; stay home, stay safe please. We'll be on air between March 27 and May 25. Hope this threat leaves our World before the date ends."

Alan Griffin

RAC MarCom Director

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What are some of the proposals? The first one I noticed is a proposal to allow all Class D stations (home station with commercial power) to work other Class D stations for points. The FD rules do not currently allow this. Class E stations (home station with emergency power) are allowed to any class station. Obviously, this rule is to encourage people to develop emergency power capability (and use it) for their home station. This is perfectly aligned with the emcomm focus of Field Day.

Another proposal is to allow a "backyard operating" class, where you set up a portable station in your backyard. Of course, this is already allowed under the rules as a Class B station.

One of the more innovative ideas I've heard is to allow multiple stations (not colocated) to operate under one club callsign, coordinating their operation via the internet. This approach emulates a "normal" Class A FD op-

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Halifax Amateur Radio Club Minutes of the General Meeting 19 February 2020

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- 1. Welcome to the HARC monthly meeting for February 19, 2020: The meeting was called to order by President VA1CC, Brian at approximately 1910 hours.
- 2. Acceptance of the Agenda: A motion was made to accept the agenda by VE1MR Bill, seconded by VA1RST Roger, the motion passed.
- 3. Roll Call: 36 members and visitors were in attendance.
- 4. Report of any Silent Keys: VE1AI reported that Eric Dephart a past member of the Greenwood Club, now a VE3 had passed, call not available.
- 5. <u>Approval of Minutes of January 2020</u> as printed in the Reflector: A motion was made by VE1QD Scott, seconded by Fred VE1FA, motion passed.

6. Correspondence:

Andy Filmore MP visited Field Day last June and sent a Certificate of Achievement for finishing 1st in Canada and 8th overall in our class for Field Day 2020.

Banks statements were received from Scotia Bank.

The current month QST magazine was received and is in the rack in the office.

7. <u>President's Report</u>: Approval and the order of a new 30 foot foldover tower for the satellite antennas that were at St Andrews is in the works. Delivery is expected by the end of March with installation to follow. There will also be an HF vertical antenna installed on the top of the tower.

The Cowie Hill repeater site will undergo some antenna replacement and additions this year. A larger building to house the equipment and a location closer to the tower is being investigated. Keep an eye on the Reflector and the HARC website for

other items.

The following have passed the Advanced Class exam this past education training period, Tim Delaney, Don Trotter, Greg Estabrooks, Gordon Young, Gary Bugden, Ray Armstrong, Ralph Rosere, David Lewis, Cam Farnell, and Fraser McDougall. A round of applause followed to celebrate and acknowledge their achievement!

There will be a Ham Breakfast this coming Saturday the 22nd at the Young Street Steak and Stein at 10 am. See you there. So far 14 have indicated they will attend.

The Hobby Show will be at Shearwater on the 18th and 19th of April, contact Craig VE1JMA.

There will be a Ham Radio demonstration here at Station 50 with the Girl Guides with Dick VE1AI, Fraser VE1WO and Scott VE1QD on February 22nd at 2 pm.

- 8. <u>Treasurer's Report</u>: The income from the period of January 1 to January 31 was in the amount of \$1373.84. Expenses for the same period came to \$135.52 for a net of \$1238.32. The opening balance was \$9221.99 and the closing balance for the period was \$10432. A motion was made by VE1MR Bill to accept the report. VE1YL Helen seconded the motion, motion carried.
- 9. Other Executive Reports:
- 10. Committee, Event and Special Projects Reports:
- 1. Membership Report From Jim, VE1PPA, reported by Brian VA1CC for 2020 there are 43 Full, 3 Associate, 4 Life and 18 associate (complimentary) members for a total of 68 members. Compared to last year at this time membership is down 17 members, please send in dues.
- 2. <u>SAR/EMO</u> Dave George, VE1AJP was absent, there was a call received regarding a lost lady, she was found. George VE1CAW.

3. <u>Station Manager Report</u> - Don, VE1DTR absent due to illness, VE1GFX Greg. Technical committee member reported that the Remote Rig is up and running. A reminder that an Advanced class license will be required to operate the remote station. Sign-in and sign up for use protocols are being developed. Stay tuned for a forthcoming information session.

The internet service has been upgraded to Eastlink high speed to accommodate the new remote.

4. Other reports

MMA (Maritime Museum of the Atlantic) VE1AI Dick reported that we are gearing up for Spring Break in March, watch your email for a sign up sheet QSL Bureau, make sure that your address is updated with the Club and Radio Industry of Canada. Remember to contribute \$ to be able to receive your cards. HATS There will be a newsletter in the Reflector. Gary Murphy VA1GGM was not present.

- 5. Neil VE1YZ gave a report on the area repeaters VE1PKT (1983) and VE1CDN (1985), linking operations and the tie to the NSARA repeaters. The influx of the Yaesu promoted Fusion products has had an impact on repeater activity.
- 6. Fred VE1FA shared information regarding an Islands on the Air event, IOTA International competition sponsored by the Radio Society of Great Britain, RSGB, coming up this July 22-23. In the past, the NS competition team has usually placed first in North America operating from Bon Portage. Though, due to rising fees, two other locations are being reviewed. The sites being considered are Long Island and Little Tancook Island at approximately ½ the cost. The participating operators share in the cost. The group arrives at the site usually 2 days in advance to get the equipment to the site, boat,

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ferry, or other, and set up antennas and two operating positions in typically a rented cottage. Estimated costs are \$250/person for the Long Island site and \$350/person for Little Tancook. Sounds like a great experience! Contact Fred if you are interested.

7. Sheldon VE1GPY gave a summary report for Parks on the Air that was in the February Reflector. Over 24,000 QSO's were logged, and 2000 awards available via download for the Activators and Chasers.

11. Old Business:

- 1. <u>Digital Repeater</u>: Jason reported that the digital repeater is operational and awaiting better weather for antenna work.
- 2. Flea Market Chair/Field Day Chair: The Lower Sackville site has been secured. Table cost is \$10 and includes the seller's entry fee. John VE1JMB with assistants will be leading the effort, please contact him to volunteer for ticket sales, security, table set-up, and 50/50 draw.

Thanks John!

12. <u>Round Table</u> - Member News: the brief sharing of important personal news:

Field Day sites discussion and radio check out to be done.

- 13. 50:50 Draw: \$32.00 is the amount tonight, Greg VE1GFX was the winner!
- 14. Motion for Adjournment: Bill VE1MR, motioned, meeting adjourned 2030 hours.

Respectfully submitted by Roger Stein, VA1RST, HARC Secretary

From the Mail Bag



The HARC digital repeater is under test on Fusion in Fall River area on 444.700 +

Nice Shack..

https://www.youtube.com/watch?v=IxhEyk_PcUo&feature=emuploademail

I would guess he likes ICOM!!

Ken, VY2RU

This is an Excellent Web Site for COVID 19 Information

https://www.arcgis.com/apps/opsdashboard/index.html#/bda7594740fd40299423467b48e9ecf6

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eration, while everyone is locked down at home. This is not allowed as a Class A station: "All equipment (including antennas) must lie within a circle whose diameter does not exceed 300 meters (1000 feet)." This is roughly equivalent to a group of Class D or E stations working together towards a common score. Why not just operate as independent Class D and E stations, which is more like a real emergency situation? Adapt and Innovate

Our local radio club is considering different ways to adapt, seeing this as a training and learning opportunity. We will probably encourage our members to get on the air individually, with emergency power. We will likely encourage members to work other members, providing some kind of incentive or award. So our FD may look more like a local operating event, in addition to working distant stations. VHF/UHF will probably play an important role so that we include Technician licensees. Not sure just yet.

We are all experiencing some serious challenges this year and Field Day is not going to be the same. I am a bit surprised that the first thought about Field Day is to change the rules to make it easier or somehow better. I think we just need to adapt and innovate within the existing format. Existing Field Day Rules have plenty of flexibility.

That's what I say. What do you think?

73 Bob KONR

The post Don't Mess With The Field Day Rules appeared first on The KØNR Radio Site.

Bob Witte, KØNR, is a regular contributor to AmateurRadio.com and writes from Colorado, USA. Contact him at bob@k0nr.com.

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

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

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

REMINDER

Have you renewed your membership for 2020? Have you changed your mailing address? Your E-mail address? Got a new call sign? We need to know your correct address to get the newsletter to you. Please inform Membership chair Jim Calvesbert, VE1PPA jim.calvesbert@gmail.com of any address changes

HATS NEWS: April 2020

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)

WHAT'S NEW?

HATS really has nothing to report this month. We are working on some manuals. We are looking for new members but that is it.

73 de Gary Murphy, VA1GGM Coordinator Halifax Auxiliary Telecommunication Service (HATS) Email: garygmurphy@gmail.com Tele: 902 229-4658

	HALIFAX AM	ATEUR RADIO CLU	B MEMBERSHIP - For 202	0		
 □ Same address as last year □ 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. 						
HARC	E Mail Address	Please provide for our f	iles)			
10/0 CTQ1	Call Sign	Call Sign		Are you currently a RAC member?		
First Name	Initial	Surname				
Street Address (M	Iailing)		_			
City/Town	Provin	ice Posta	l Code Telep	hone Number		
Fees □ Full Me	mber, must be a licensed	Amateur (\$30.00)*	☐ Associate member (Non Vo	oting) (\$20.00)		
□ Family membership (one newsletter) $(\$30.00)^* + \20.00^* each additional person.* Amount submitted $\underline{\$}$.						
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 metho	od of payment □ c	heque □ cash	☐ Interac/e-transfer			
	nbership Chair	L	CARD			
205	fax Amateur Radio Clu 0 Hammonds Plains R nmonds PlainsNS B4E	oad	ENTERED			

Or if using Interac e-transfer to pay, please follow the instructions on the HARC website's Membership page for emailing 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.