



REFLECTOR

PO BOX 8895
HALIFAX NS
B3K 5M5

May 2016, Volume 77 Number 5
club web site is www.halifax-arc.org



MAY Your Spring & Summer 2016 be Exceptionally Good



HARC Club Station phone number - 902-490-6421

Executive

President - Brian Allen, VA1CC	489-4656	basailor@eastlink.ca
First V.P. - Don Trotter VE1DTR	823-1888	DonTrotter@SierraSystems.com
2nd V.P. - Ian Pearce, VE1IGP	469-3474	igpearce@hotmail.com
Secretary - Laura Muise, VE1ZMB	414-8691	lmuise101@gmail.com
Treasurer - Jim Guilford, VE1JG	466-2124	jimguilford@gmail.com
Director-at-Large: - Craig MacKinnon, VE1JMA	463-8517	cjmackinnon@gmail.com
Station Manager: Alex Tikhomirov, VE1RUS	444-1271	a.texer@gmail.com
Past President - Scott Wood, VE1QD	823-2761	ve1qd@rac.ca
Director Emeritus - Bill Elliott, VE1MR	865-8567	bowser.elliott@ns.sympatico.ca

Committees/Offices/Prime Contacts

Government & Media Relations - Gary Murphy, VA1GGM garygmurphy@gmail.com
 QSL Bureau Mgr - Tom Caithness, VE1GTC 477-7081 tom.caithness@ns.sympatico.ca
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 - Howard Dickson, VE1DHD dh dickson@eastlink.ca
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 2016 Flea market Chair - Tom Gaum, VE1BMJ papa1@bellaliant.net
 Field Day Coordinator Wayne Harasimovich, VE1WPH 835-4865 wayneph@bellaliant.net
 Safety Officer - Terry Bigelow, VE1TRB ve1trb@eastlink.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 - Everett Price, VO1DK vo1dk@rac.ca
 RAC Section Manager - Craig Seaboyer, VE1DSS cseaboey@stfx.ca
 RAC Assistant Director for HRM Scott Wood, VE1QD, 823-2761 ve1qd@rac.ca

Take-15 Net Controllers

This will be the rotation. We need more net controllers. If you want to join, contact Bill, VE1MR



Please note there has been a change

May 15	Doug	VE1LDL
May 22	Gary	VA1GGM
May 29	Bruce	VE1MLW
June 5	Win	VE1WIN
June 12	Doug	VE1LDL
June 19	Gary	VA1GGM

HARC's Newly-elected Second

Vice-President is Ian Pearce, VE1IGP, replacing Erik Hein, VE1JEH, who resigned from the HARC executive for health reasons.

Deadline for submissions to the June Reflector is Saturday June 4, 2016

Acupuncture is a jab well done.

The **May 2016 General Meeting** of the Halifax Amateur Radio Club will be held Wednesday, May , in the Senior's Room on the 1st floor of the St. Andrew's Centre, 3380 Barnstead Lane, Halifax.

6:30pm - Social with refreshments.

7:30-8:30pm Presentation
Topic: DIY Electronic Projects for the Armchair Tinkerer.

Speaker: Dave George, VE1AJP,

8:30-9:30pm Regular Monthly Business Meeting

Guests are welcome

ARE WE COMMUNICATING?

A man spoke frantically into the phone: 'My wife is pregnant and her contractions are only two minutes apart'. 'Is this her first child?' the doctor asked. 'No!' the man



shouted, 'This is her husband!'

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

Event for Your Calendar

Sunday May 29th - 2016 MS Walk
Contact Terry Bigelow VE1TRB,
HARC MS Walk Coordinator to volunteer your communications help.

June 11 - DownEast FleaMarket
Location: St. Andrews Center gym.
Contact Tom, VE1BMJ, to arrange to help with setup, take down, manning the door for admissions, etc.

June 25&26 - Field Day 2016
Contact this year's coordinator, Wayne, VE1WPH, to schedule your participation.

July 24th, 2016 is the date for the Ledwidge Lookoff Rally and they need and would appreciate our communications help.
Contact-Ian, VE1IGP, to volunteer.

July 23, 24 is the MS Bike Tour 2016. Please email Terry, VE1TRB, at ve1trb@eastlink.ca if you are interested in helping.

This fall's Basic Amateur Course will start on September 22 at the club room. Contact Tom, VE1GTC. He can be reached at ve1tom@rac.ca or tom.caithness@ns.sympatico.ca.

Message handling practice nets

On VE1PSR 147.270 +
Sundays at 1930 hrs.

Anyone wishing to become involved with the emergency communication message handling please contact Tom Caithness for voice practice. Tom.caithness@ns.sympatico.ca or Dave Musgrave for digital david.musgrave@ns.sympatico.ca

National Parks on the Air - USA

Throughout 2016, Amateur Radio will be helping the National Park Service celebrate their 100th anniversary. Hams from across the USA will activate NPS units, promote the National Park Service and showcase Amateur Radio to the public.

The program at the Maritime Museum of the Atlantic (VA1MMA) is sailing right along.

We do have one important note that we must all regard:

“There is to be **NO FOOD OR DRINK** in the museum display area, which includes the “Wireless Room”.

The **ONLY** exception is bottled water, and best not to have it on display.

There is a lunch room in the museum for volunteers, and if you bring a lunch, feel free to use the fridge, and the lunch room for coffee and lunches.

Byron Mullett VE1NFD has assumed the task of staffing for the days we will be manning the Wireless Room. Co-operation has been excellent and I want to thank the entire list of volunteers for their enthusiastic participation!

I have just received official word that the budget for the purchase of the new radio equipment has been approved by the museum and that now the procurement process can begin.

We are approaching the very busy summer season at the museum and there are a number of activities already being planned.

Dick Grantham, VE1AI

From: Whitney Machin
Subject: 2016 MS Walk

Hi Terry,

Happy Tuesday! I am connecting with you today regarding the upcoming MS Walk in Halifax. I am wondering if you and your team may be up for helping out again on Sunday May 29th, to provide radio communications and to help with route sign set-up.

I've just received the permit for the 2016 route, so it should be all the same as in the last several years. Start/finish at the Canada Games Centre, with a long route along the trail and over Farnham Gate Rd., and the short route on Lacewood, Dunbrack and Willet.

If you could please chat with your team about it, and let me know if you may be on board again for 2016, I would greatly appreciate it! Tim may have connected with you on this already, but I guess it never hurts to double check.

Have a great afternoon; talk soon!

Cheers, Whitney

Whitney Machin, BSc | Coordinator, Development | Atlantic Division
MS Society of Canada | 1-109 Ilsley

Avenue | Dartmouth, NS B3B 1S8
Ph: (902) 468-8230 ext. 1008 | Fax: (902) 468-5328 | Email: whitney.machin@mssociety.ca

From: [trbigelow](mailto:trbigelow@rac.ca)
To: Whitney Machin
Subject: Re: 2016 MS Walk

Hi Whitney, I was just thinking about you the other day and was wondering if you were going to send me an email soon.

On behalf of the Halifax Amateur Radio Club, we are pleased and honoured to help out once again in the same capacity as we have in the past.

I have cc'd Brian Allan, the club President in this email to ensure this is given the highest priority as in the past.


Brian, I will be soliciting those who have helped out in the past and will also be looking for new folks to take part.

Terry Bigelow VE1TRB.
HARC MS Walk Coordinator.



Caddie Comment:

Golfer: "Do you think my game is improving?"

Caddie: "Yes, you miss the ball much closer now." 

PRESIDENT'S MESSAGE for April, 2016

Hello all fellow hams both near and far - cq dx cq dx de VA1CC - I sure hope some of you have had good luck with propagation as there has been very little lately. I know Field Day is fast approaching and we will need the propagation in order to maintain our scores for Canada and for North America.

Your club has a lot happening this month (May) and there is something for everyone to participate in. In particular there will be events at the Museum of the Atlantic where Dick, VE1AI, who is project lead and Byron Mullet, VE1NFD, who will manage scheduling will have a column in the HARC Reflector to share event information and whether resources are required to support a particular function. This is a great project to get involved in and I'm sure Dick and Byron can use an extra hand for either a morning or afternoon shift.

Looking forward to June and what is happening then, again offers something for everyone and is very exciting. Involvement can be at any level to suit your abilities and interests.

June 4/5 we have Museum Ships weekend where a radio station is established on the Acadia

June 11 is our annual Flea Market at St Andrews under the watch full eye of Tom Guam

June 25/26 weekend is our Field Day Operation spear headed by Wayne, VE1WPH.

Each of these events will require member support to be successful and I know that each of you will be there to help out in some capacity. Please let Tom Guam know your table requirements and if you can help at the Flea Market.

Although I was not available last weekend to attend the Symposium in Amherst, I have been told that I missed a very good, well organized and successful event. It was widely attended. A friend in Yarmouth attended as well as many local hams. Kudos go to the event organizers, guest speakers and sponsors for a job well done. Now I look forward to next year's event. Truly, it is amazing just how much our hobby has evolved with all the new technology although at times I think technology has excessively complicated the operation of the radio gear with menus, sub menus, software definitions and so on.

Please stay tuned to this publication (The HARC Reflector), our web site (www.halifax-arc.org), and social media (Face Book) for upcoming events and news as your club moves into summer.

Please let the executive know of any events we may be able to participate in.

Thank you for your continued support of the best radio club in Canada - the H.A.R.C. - and be proud of what you have accomplished over the years; we're the oldest club in the country and have a rich history. Let us move forward in our daily activities for the upcoming months with enthusiasm, goal oriented and driven to continue to be the best in the country. This is who we are.

Respectfully, Brian Allen, VA1CC, President - H.A.R.C.

HELP NEEDED

We need someone to organize an antenna raising party for a visually impaired member. The location is in Lower Sackville and the antenna is the surplus club vertical antenna which was purchased by the visually impaired member. This vertical will be replacing the Amateur's current vertical so the ground radials and guys are already in place. The antenna has been refurbished by Bill, VE1MR and is currently in Bill's garage.

Please contact Bill, VE1MR for further information.

E-mail bowser.elliott@ns.sympatico.ca

Or phone: 902-865-8567

I can supply a recommended format for doing the net, it is quite simple.

Thank you- Bill Elliott, VE1MR



Get Well Soon !!!

To John, VE1CDD, who is in hospital for repair.

Hope his road to recovery is swift & smooth.

Congratulations to Melinda MacLean, VE1MEL and to George Pike, VE1GAP both of whom wrote and passed their Basic Amateur Radio exam with honours in April. Examiner - Jim, VE1JG

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

Atheism is a non-prophet organization.

Field Day Update

Preparations for this years Field Day event are ahead of schedule. During the last Executive meeting (May 4 2016) the Parks Canada Special Events Permit was endorsed by Brian, VA1CC (President) on behalf of the club. The document has been since returned to our contact at Parks Canada leaving the path open for the Parks Canada Superintendent to appy the final signature.

I'm also happy to say that the HARC membership has done it's part by stepping forward to assume a majority of the volunteer positions which are so important to the success of our Field Day effort. There are only 2 outstanding positions to be filled; one for the HF-Phone Captain position and the other is the "official" photographer. If your considering either of these positions or if you would like to volunteer in any other capacity you're invited to contact me directly. My contact information is available on the front page of this Reflector.

A a reminder that details regarding any and all of the HARC Field Day activities will be available on the club website (www.halifax-arc.org). This comes thanks to the efforts of Howard, VE1DHD. The HARC web site is the best source for the latest information for not only Field Day but for the many other club supported activites.

Also don't forget to visit the ARRL Field Day web site (www.arrl.org/field-day) for detailed Rules and Regulations. Using the Field Day Locator (www.arrl.org/field-day-locator) you'll be able to identify the other participants registered in this years Field Day. While you're there look for VE1FO.

Finally I'd like to remind readers that the success of any of the varied HARC activities depends on the participation of the club membership. If you have a few hours to spare you're invited to consider adding your support. Remember that you do have something to offer and there's a task for you!

Until next month ...
73 de Wayne, VE1WPH

ÑuSat-1 to Carry AMSAT Argentina Linear Transponder – Launch Scheduled for May 30, 2016

Posted April 25, 2016 by N8HM in AMSAT General News, New Satellites

The Argentinian earth observation satellite ÑuSat-1 will carry a linear transponder built by AMSAT Argentina. The satellite is scheduled to launch on a CZ-4B rocket from Taiyuan Satellite Launch Center in China on May 30, 2016 into a 500 km sun-synchronous orbit with an inclination of 97.5 degrees and a Local Time of the Ascending Node (LTAN) of 10:30.

The AMSAT Argentina U/v inverting transponder, named LUSEX, wiil have an uplink of 435.935 MHz to 435.965 MHz and a downlink of 145.935 MHz to 145.965 MHz. Total power output is 250 mW. There will also be a CW beacon at 145.900 MHz with a power output of 70 mW.

LUSEX on ÑuSat-1 – Launch Scheduled May 30, 2016			
Uplink LSB	435.965 MHz	through	435.935 MHz
Downlink USB	145.935 MHz	through	145.965 MHz
70 mW CW beacon 145.900 MHz			

For more information, see the AMSAT Argentina Facebook group.

Amateur Radio on the International Space Station (ARISS)

The ARISS program was created and is managed by an international consortium of amateur radio organizations and space agencies including National Aeronautics and Space Administration (NASA) in the USA, Rosaviakosmos in Russia, Canadian Space Agency (CSA) in Canada, Japan Aeronautics Exploration Space Agency (JAXA) in Japan and European Space Agency (ESA) in Europe. .

ARISS lets students worldwide experience the excitement of talking directly with crew members of the International Space Station, inspiring them to pursue interests in careers in science, technology, engineering and math, and engaging them with radio science technology through amateur radio.

ARISS Celebrates Its 1000th Contact!

North Dakota Space Grant Consortium (NDSGC), Grand Forks, North Dakota, USA hosted the 1000th scheduled educational contact March 10, 2016 at 19:08:55 UTC.

NASA released a series of videos with astronaut interviews paying tribute to the program. In the second in that series, in which Tim Peake describes how radio contacts are conducted from the ISS: "Amateur Radio on the International Space Station (ARISS) - Talking to Astronauts."

*Dear Fox News,
So far, no news
about foxes.
Sincerely,
Unimpressed*

Upcoming ARISS Contact
A telebridge contact via W6SRJ with students at AstroNuts Kids Space Club Academy, Duncan Observatory, Richmond Hill, Ontario, Canada, is scheduled for Sat 2016-05-14.

APPEAL

We are in serious need of several more Take-15 net controllers. It is an easy task that takes at most 20 to 30 minutes on a Sunday evening. It is also good practice for more formal net handling in the case of an emergency. During the summer the net often takes no more than 15 minutes. If we can get 2 or 3 more net controllers then your turn would only come up about every 2 months. To help the club out I am sure many people could spare a small amount of time on a Sunday evening once every couple of months.

Please contact Bill, VE1MR to get your name on the list.

E-mail

bowser.elliott@ns.sympatico.ca

Or phone: 902-865-8567

I can supply a recommended format for doing the net, it is quite simple.

Thank you- Bill Elliott, VE1MR

Training - "falling derrick" method for towers

Individuals who are interested in attending a training session on the "falling derrick" method of erecting a tower are encouraged to contact Wayne, VE1WPH (Field Day Chair). Contact information is posted on the front page of this edition of the Reflector.

A specific date has yet to be determined but will be based on the availability of the interested parties.

The falling derrick tilt up technique allows a tower which has been assembled on the ground to be raised into position. For more information please view the following video at

www.youtube.com/watch?v=psewv8s2v3E.

73, Wayne, VE1WPH

Chairman, Field Day 2016

Here are some ever-developing, yet state of the art, Joe Taylor modes, presented at a conference in Washington, DC last week. I was especially interested in the small, portable EME setups at UHF and above. Joe has obviously been very busy with many new weak signal modes & codes. As a selected 'crash test dummy' (my term), I was aware of the meteorscatter work, but not the EME advancements. HARC may be interested in getting some members using these modes or using them more. VHF and above is very usable now from the previously isolated 'line of sight' Maritimes.

Here is the Presentation http://www.physics.princeton.edu/pulsar/K1JT/K1JT_VHF_SuperConference_Apr_2016.pdf

73, Roger, VE1SKY

Safety

It seems to me that I've done more injuries to myself (all minor) in the kitchen than in any other room in the house (including ham shack & workshop).. With that in mind, here are some tips to help prevent a kitchen fire or other accident: -ed

1/ When handling hot pots, pans, etc. never use an oven mitt with a hole in it.

2/ Know your smoke points. Become familiar with the smoking points of the fats and oils you use for cooking. Oils with low smoke points brought to high temperatures can catch fire.

3/ Clean grease spills. If you spill grease during cooking and it falls into the drip pan under your stove's cooking element, turn off the heat and WAIT for the burner to cool down; then, clean up the spill. Otherwise, the next time you go to cook something, you'll probably forget about the grease being there and it could easily ignite.

VE3KCL balloon S-9 over Atlantic

On April 10, Canadian radio amateur David Beverstein VE3KCL launched a balloon transmitting WSPR, JT9 and CW in the 10 MHz (30m) band

WSPR messages are used for tracking - one normal WSPR message and one with a special data protocol to provide altitude, speed, IARU locator 5/6th characters, battery voltage, temperature and GPS/satellite status.

The transmitter has about 16mW power output, on 10 MHz band. It is sending CW and JT9 as well. Altitude is a little over 10,000m. So far it has traveled in several loops around Greenland and the North Atlantic.

Frequencies used are 10.1060 MHz CW, 10.140265 WSPR and 10.40480 JT9.

Daily reports on the balloon's progress are at:

<http://qrp-labs.com/ultimate3/ve3kcl-balloons/ve3kcl-s9.html>

The Maritime Amateur

Ham Radio
for Maritimers by Maritimers
www.maritimeamateur.ca

The complete-and official-rules for Field Day are available on the ARRL Web site

<http://www.arrl.org/contests/rules/>

Check out the RAC blog at:

<http://racblog.wordpress.com/transforming-radio-amateurs-of-canada-introduction/>

"With hurricanes, tornadoes, fires out of control, mud slides, flooding, severe thunderstorms tearing up the country from one end to another, and with the threat of bird flu and terrorist attacks, "Are we sure this is a good time to take God out of the Pledge of Allegiance?" - Jay Leno:

**The Halifax Amateur Radio Club
General Meeting Minutes
April 20, 2016**

In the absence of President Brian Allen (VE1AZV), 1st Vice President Don Trotter, VE1DTR, convened the meeting at 9p.m. There were ### members in attendance.

Silent Keys –

March 19 David Reagh Sudsbury, VY2DRS
March 29, Paul Kelvin “Kal” White VE9PK
March 29, Ralph Leland Dickieson, April 1, Gilles Lavigne VE9GIL
April 10, John Brown VE1LZ
April 15, Lloyd Robert Abbott VE9LRA
April 17, Eldon W. Rogers VE9RD

Approval of Minutes of January 20th 2016 monthly:

Motion – THAT the minutes of the previous 2016 monthly meeting of the Halifax Amateur Radio Club as published in the March 2016 edition of the Reflector and on the HARC website be approved.

Moved by: Byron Mullett, VE1NFD
Seconded by: Scott Wood VE1QD
Motion carried.

Treasurer’s Report: Jim Guilford (VE1JG) reported that the March opening balance was \$6490.19. Expenses for the month of April were \$47.70 + bank service \$2; income was \$510.10; outstanding cheques \$38.18 for a net bank account balance of \$6914.41. The full report is attached to the formal copy of these minutes.

\$1500 bill coming for insurance.

Motion – THAT the report of the treasurer be approved.

Moved by: Jim VE1JG Seconded by: Bill VE1MR
Motion carried.

Election of 2nd Vice-President: (Chaired by Don Trotter, VE1DTR) Ian Pearce, VE1IGP, was nominated..

After 3 calls for further nominations elicited none, Ian was proclaimed as

2nd. Vice President

Museum: Dick, VE1AI - Event on Tuesday looking for volunteers. Please speak with Dick.

Executive Reports:

Field Day - Wayne, VE1WPH, - Lots going on, Al Prossor, VE1AWP and the communication group has offered their command vehicle. Actively looking for volunteers, looking for HF phone captain and Photographer. A map is available on the website for everyone to view. 800 feet between the two stations.

Flea Market - Tom, VE1BMJ - June 11, in the gym at the St. Andrews Centre. RAC has been advised and is publishing the info. All of the clubs in the Atlantic Provinces have been spoken to and asked to distribute the flyer created by Amanda. We have 10 tables booked. Admission is 5\$/person. Suppliers from Ontario will be sending gift certificates as door prizes. Contact Tom, VE1BMJ, or Brian, VA1CC, by email on the club site if you wish to volunteer. Brian Allen, VA1CC is doing security. Accommodations can be arranged at the Comfort Hotel Bayer’s Lake for June 10th (Check website)

Shearwater Hobby Show - Craig, VE1JMA: The different location provided more room, although next year we will have to have two tables. We did see a large crowd over the weekend and many interested people. Thank you to Wayne, VE1WPH for bringing out his tripod to mount the Antenna. Everything ran fairly well.

Repeater update -Bill Elliott: Repeater is working very well in Shubenacadie and anyone can key it but the output power is low. Eventually will be linked into the system. More to come in the Reflector. The Dartmouth repeater is working, but not very well.

Looking for people for the Take-15

The day the world runs out of wine is just too terrible to think about.

Net controllers.

Other Upcoming Events

MS Walkathon- Sunday May 29 Canada Games Centre. Still looking for volunteers, email Terry, VE1TRB.

MS Bikeathon- July 23-24. Please email Terry, VE1TRB, if you are interested. Overnight available at Acadia university.

Car Rally- Ian, VE1IGP, noted that the Car rally could use more volunteers. Same day as MS bike tour.

Committee Reports:

Station Manager

– Alex Tikhomirov (VE1RUS)
All Stations are at same state as before; getting ready for replacement of the beam. Plan is to replace the current beam which covers 3 bands with one that will cover those same 3 plus 2 other bands. Thinking about how we can use both radios on one antenna. We still have to replace the control box for the rotator. Price range is ~\$290, and there is a company offering a kit for a current station for \$50.

EMO – David (VE1AJP)

Search and Rescue – David (VE1AJP) - First week in May - eco endurance challenge, where they put 64 points out in the woods and the first team to come back with all stamps wins, great fund raiser.

Vehicles for Field Day are all secured.

Open floor discussion: Wayne, VE1WPH, reported that in case the vehicles do have to leave we will have tents set up next to the vehicles on Field Day.

Door prize – Don Trotter, VE1DTR, with a 25\$ Canadian Tire gift certificate.

50/50 Draw– Jason VE1PYE with \$20.50

Respectfully submitted –
Laura Muise (VE1ZMB)
HARC Secretary

