



REFLECTOR

PO BOX 8895
HALIFAX NS
B3K 5M5

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club web site is www.halifax-arc.org



The H.A.R.C.'s 2016 Field Day Operation Will be at York Redoubt



HARC Club Station phone number - 902-490-6421

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RAC Section Manager - Craig Seaboyer, VE1DSS	cseaboey@stfx.ca
RAC Assistant Director for HRM Scott Wood, VE1QD, 823-2761	ve1qd@rac.ca

The June 2016 General Meeting of the Halifax Amateur Radio Club will be held Wednesday, June 15, 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: ARRL Field Day

Speaker: Wayne Harasimovich, VE1WPH

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

Guests are welcome

Huh? An Illinois man, pretending to have a gun, kidnapped a motorist and forced him to drive to two different automated teller machines, wherein the kidnapper proceeded to withdraw money from his own bank accounts.

Deadline for submissions to the September Reflector is Saturday September 10, 2016

Take-15 Net Controllers

This will be the rotation. We need a few more.

If you want to join, let Bill Elliott, VE1MR, know.



June 12 Doug VE1LDL	Aug. 7 Doug VE1LDL
June 19 Gary VA1GGM	Aug. 14 Gary VA1GGM
June 26 Bruce VE1MLW	Aug. 21 Bruce VE1MLW
July 3 Win VE1WIN	Aug. 28 Win VE1WIN
July 10 Doug VE1LDL	Sept. 4 Doug VE1LDL
July 17 Gary VA1GGM	Sept. 11 Gary VA1GGM
July 24 Bruce VE1MLW	Sept. 18 Bruce VE1MLW
July 31 Win VE1WIN	Sept. 25 Win VE1WIN

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

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 20 - Pizza night at the club
 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. which Rick VE1RGG is coordinating. He can be contacted at rsgardiner@eastlink.ca if you can help out

August 17 - Pizza night at the club
 This fall's Basic Amateur Course will start on September 22 at the club room. Contact Tom, VE1GTC. He can be reached at veltom@rac.ca or tom.caithness@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.

Puzzler - Do you know?

What is graphene and what's so special about?



Answer to Puzzler is on pg. 7

The complete and official rules for Field Day are available on the ARRL Web site at <http://www.arrl.org/contests/rules/>

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

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

*Dear Ugly People,
 You're welcome.
 Sincerely,
 Alcohol*



On May 11 the Club hosted the 2 Fairview Cub Pack to discuss Amateur radio and make contacts on the radio. They send their names in CW to each other, talked on 2 meters and talked on HF. There were 14 cubs and 3 leaders present. Members of the club that assisted in the evening were Doug VE1LDL on 2 meters at his home, Jim VA7JSF/VE1 on HF, Terry VE1TRB on CW and Tom VE1GTC on 2 meters at the club. The boys and leaders all had a great time and gave a rousing thank you.

Tom, VE1GTC

From the ARRL Letter, June 2, 2016
<http://www.arrl.org/news/the-doctor-will-see-you-now-2>

“All About Baluns” is the topic of the newest (June 2) episode of the “ARRL The Doctor is In” podcast. Listen...and learn!

Sponsored by DX Engineering, “ARRL The Doctor is In” is an informative discussion of all things technical. Listen on your computer, tablet, or smartphone — whenever and wherever you like!

Every 2 weeks, your host, QST Editor in Chief Steve Ford, WB8IMY, and the Doctor himself, Joel Hallas, W1ZR, will discuss a

broad range of technical topics. You can also e-mail your questions to doctor@arrl.org, and the Doctor may answer them in a future podcast.

Enjoy “ARRL The Doctor is In” on Apple iTunes, or by using your iPhone or iPad podcast app (just search for “ARRL The Doctor is In”). You can also listen online at Blubrry, or at Stitcher (free registration required, or browse the site as a guest) and through the free Stitcher app for iOS, Kindle, or Android devices.

If you’ve never listened to a podcast before, download our beginner’s guide at www.arrl.org/doctor

PRESIDENT'S MESSAGE for June, 2016

Hello all amateur radio operators, get ready for summer as it is fast approaching - June 21st which is just in time for our Field Day event at York Redoubt this year. Hopefully the weather will warm up some and it will not be cold and wet as we know it can be. Nothing would be worse than bad weather and very poor propagation. Propagation has been very bad since my last writing due to a lot of solar flares activity. Today was a better day but there were a lot of special event stations on; however, Europe did not open till mid morning. This was evident as we could not hear Italy which should have been pretty easy any other day. My interest today and this weekend is the Museum Ships on the Air weekend. To date, there are over 111 ships and museums listed on their web site and I managed to work 11 of them in the morning.

Museum Ships weekend is also being held on board the CSS ACADIA-call sign VE0MMA on Saturday & Sunday June 4/5. We have enough volunteers for this event, but as the summer goes forward, we will have openings for others to participate. It is always so much fun at these events and what an opportunity to meet other people and promote our club. Everyone is a salesman when it comes to promoting our club and hobby to the general public. A sales person at Eastlink saw my antenna on my car's roof and when I was finished talking she asked for Tom's number (VE1GTC), web site and course information - her husband will join her on our basic course. As in any project, there's always an issue or two and The Acadia install was no different. Dick, VE1AI and Jim, VE1JG had to troubleshoot the install and found a bad piece of coax cable. They changed it out and were on the air for around lunch time ... well done guys..

My update going forward is exciting and offers something for every one. We have

- the Flea Market at St Andrews on June 11/16 - always a good place to pick up a bargain;
- our monthly June meeting on the 15th then
- Field Day - set up on June 24; June 25/26 operations and take down;
- then in July and August we will have our Pizza night instead of a regular monthly meeting.
- September will find us all back in the saddle after an adventurous summer vacation.

Once again, I want all of you to be aware of on-line scams: Jim and I were approached again for a money transfer of approx. \$9000.00 to an RBC account out in Edmonton. Jim is getting very good at leading these people on and after a dozen e-mails this caller finally gave up, no doubt frustrated. So, watch closely what comes across your pc.

To be number one again this Field Day is going to take every one in the club: whether it is setting up the site: operating in the cw tent/ ssb tent or the GOTA tent as a mentor. We'll need all the people who can possibly be there to take it all down - many hands make for light work. WE NEED YOU Whatever you can do will spread the load and your presence counts in many ways. For the tower and install teams, be sure to attend Terry's tail gate meeting for all safety issues and procedures. Safety is now a bonus points issue (100) so be sure you are there for that. This is going to be an over the top event once again so be sure you are there and doing ... be a proud participant.

See you at the June general meeting.

Have a great summer and enjoy the dx - it's there for you and the world to enjoy. Get on the air !!

Thank you all,

Brian Allen, VA1CC, President of the 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

NOTE: - If no one comes forward soon we will have to give the money back and try to resell the antenna

Thank you- Bill Elliott, VE1MR

MS Walk - May, 2016

With another successful MS Walk completed, I'd like to thank all that helped out again this year.

We had an excellent turnout of Club members, with Pat, VE1PHK, Laura, VE1ZMB, and Dave, VE1DDC providing communications at the two rest stops along with Laura's sister and Laura's boyfriend who also helped out at a rest stop. Dave, VE1DDC, also helped me out in setting up the route signs before the event.

Jeremy, VE1JHF, Graham, VE1GFA, and Brandon, VE1BMF, covered the three sections of trails the walkers traveled.

Doug, VE1IDL, traveled in the First Aid vehicles providing valuable communications for those requiring help.

Tom, VE1GTC, provided transportation and communication to Amanda, who kindly provided photography coverage for the event.

Peter, VE1PJW, worked as a flagger ensuring walkers travelled the proper path depending on their desire to travel the short or the long route.

I helped out in setting up the route signs and stayed at the Canada Games Center ensuring field information was passed to the MS folks.



Amateur Radio ops (and a few conscripted friends) assembled before heading off to their communications assignments

This year, rather than using the VE1PSR repeater, we used VE1HNS, which provided us with excellent coverage. Thanks to Rob, VE1KS, for providing us with the Off & On codes to shut down links going into the repeater during the event.

Once again, thank you all for helping out with the MS Walk 2016, I'm sure those you provided communications support to appreciated your time.

The next event for MS will be the Bike Tour 23 & 24 July, which Rick, VE1RGG, is coordinating. He can be contacted at rsgardiner@eastlink.ca if you can help out.

Terry, VE1TRB

Photos by Amanda

Preliminary count -

Some 317 walkers took part in the 2016 MS Walk.

We radio-coordinated the pick-up of 2 who required pick-up when they ran out of steam part way through the route.



Caddie Comment:

Golfer: "Do you think it's a sin to play on Sunday?"

Caddie: "The way you play, it's a sin on any day."



These folks (posing with Terry, VE1TRB,) walked as a family - decked out with face paint, leis and smiles

VA1MMA NEWS

Work is progressing at the Maritime Museum. The new radio purchase by MMA is in progress and we anticipate that the new rig will be in place soon.

Since March break, HARC volunteers have done demonstrations and awarded over 800 Morse certificates to young people and a few adults. The response to our presence from the public and the museum staff has been very positive. Any visitors to the MMA know that HARC is on site as the ether of Morse and the sounds of amateur radio on 20 m and the repeater can be heard throughout the building. We are working with museum staff to man our wireless room at least one day a week as well as be in attendance for special events such as Titanic to Twitter.

HARC will be participating in Ships on the Air and Oceans Day. Since these events were upcoming, volunteers are in place up to July 1, 2016. An email will be going out soon to recruit folks for the summer months of July and August.

While we have a few volunteers, any of our members are welcome to join. The only requirement from the museum is a criminal records check, and all of our current volunteers have been successfully processed. This is a standard now for all public venues and is paid for by the museum. Working at the museum is an extremely rewarding experience and contributes greatly as a learning experience as well as highlighting the activities of our club.

Many thanks to all who have contributed their time to getting the station on the air and taking part in our activities at VA1MMA. If you would like to volunteer, please contact Dick (ve1ai@rac.ca) or Byron at brmullett@bellaliant.net).

From the ARRL Letter, June 2, 2016

Transatlantic VHF Digital Receiver Site Now Operational in Newfoundland

A transatlantic VHF digital receiver site has begun operation in Newfoundland. Frank Davis, VO1HP, reports that antennas were erected and a VHF SDR activated on May 19 to inaugurate the VO1FN "TransAtlantic VHF Digital Beacon Receiver Site." The receiver site, in grid square GN37, is sponsored by the Society of Newfoundland Radio Amateurs (SONRA), the Baccalieu Amateur Radio Klub (VO1BRK), and the Upper Trinity Amateur Radio Club (UTARC). Davis made his summer home and station in Freshwater, Conception Bay North, available for the receive-only site; it offers an unobstructed view of the North Atlantic, and he's open to suggestions as to how to take best advantage of the site's capabilities.

"The point of this experiment is to provide a North American receiver online 24/7 that can be used by European beacon operators or well-equipped VHF stations to test their transmissions," he told ARRL. "It is a receive-only site, but if it is proven over time that signals can be heard and correlated with propagation studies, then it might stimulate operators to equip their stations to attempt a two-way QSO."

Attempts have been made from Newfoundland and Labrador to transmit an Amateur Radio signal across the North Atlantic on 2 meters, with a two-way contact as the ultimate goal. The Irish Radio Transmitters Society (IRTS) offers its Brendan Trophy to the operators of the Amateur Radio stations to establish the first two-way communication on 2 meters between

Europe and North or South America.

The most recent effort to snag the Brendan Trophy took place from Newfoundland in 2014. The VC1T group set up a 33-meter long rope-supported Yagi and a sophisticated high-power station, and it transmitted toward Europe on digital modes.

Interest stemming from the VC1T experiment led to the VO1FN project, Davis said. John Anderson, M10AAZ, offered a Raspberry Pi computer and FUNcube Dongle Pro+ to the cause, although the current system uses a PC which can run SDR Console software. Davis said he'd very much like to upgrade from the FUNcube dongle to an Ethernet SDR with lower noise figure for weak VHF signals, but the project doesn't have the budget just yet.

Davis approached SONRA President Douglas Mercer, VO1DM, who canvassed the other two clubs involved for contributions and made a personal donation. The funds permitted the purchase of two InnovAntennas 5 element LFA-Q (loop-fed array quad) Yagis. Justin Johnson, G0KSC, of InnovAntennas donated a phasing harness and power combiner.

"The receiver site is up and running using an SDR and SDR Console software," Davis told ARRL. He explained that users would first have to install SDR Console V2.3, and he would open a free account permitting them to log in. Davis said the receiver has been listening continuously on 144.488 MHz for any JT65 signals from Irish beacon station EI2DKH, operated by Tony Baldwin, EI8JK.

"We are willing to rotate the Yagi array in any direction for testing with distant 144 MHz digital stations," Davis said.

The new International Amateur Radio Union Region 1 (IARU R1) HF Band Plan, effective on June 1, and the HF Managers Handbook ver 8.2 are now available for download. IARU Region 1 covers Europe, Africa, the Middle East, and Northern Asia. Go to <http://www.iaru-r1.org/index.php/downloads/Documents/HF/IARU-Region-1-HF-Band-Plan-2016/>

**The Halifax Amateur Radio Club
General Meeting Minutes
May, 2016**

Not available for publication

**Procedure for
Loan of Club Equipment**

This is an addition to Policy 13.0 printed in Constitution.

If two or more individuals / groups request the same equipment for the same time frame (such as for a repetitive annual event) the following guidelines will be used:

- A. The equipment cannot be requested after 60 days prior to the start of an Annual or Reoccurring Event.
- B. The equipment must be returned within 15 days of the end of the event.
- C. The intent is to allow groups to have equal access to equipment, eg. If group A had the gear the previous year then group B would have precedence if requesting the same gear. If more than 2 groups request the use of the same gear then the group that has not had the gear before or in the previous 2 years would have precedence. In the case of multiple pieces of similar gear being requested by two or more groups the Club Executive will attempt an equitable division if the groups cannot agree among themselves. Groups will always have precedence over an individual for equipment requested for the same period.
- D. The Executive will make a decision on loan within 15 days of the 60 day cutoff date.
- E. If a request comes in after the 60 day time period for a stand alone event, the EXEC will make a decision based on original criteria.

Every calendar's days are numbered

Following the nomination by the Board of Directors of RAC, the Board of Trustees of the **Canadian Amateur Radio Hall of Fame** is pleased to appoint Larry E. Price, W4RA, of Statesboro, Georgia as an Honorary Member of the Canadian Amateur Radio Hall of Fame.

The appointment is in recognition of Larry's many years of support of Radio Amateurs of Canada and Amateur Radio in Canada. Honorary appointments can only be initiated

by the Directors of RAC. This is the first Honorary appointment in the history of RAC.

Larry's induction to the Hall of Fame will take place in early 2016. A summary of his contributions to Amateur Radio will be published in future issue of The Canadian Amateur magazine.

Submitted by Ed Frazer, VE7EF
Chair, Board of Trustees of the
Canadian Amateur Radio Hall of
Fame

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/ Use appropriate cooking utensils. If you're cooking something in a deep layer of oil, use long-handled tongs to allow you to safely put food in and take food out without causing grease to splash out. In fact, deep fat cooking should only be done in a deep fryer.

2/ Watch for smoke. When your cooking oil starts smoking, that means it's close to catching fire and you need to carefully remove the pan from the heat source.

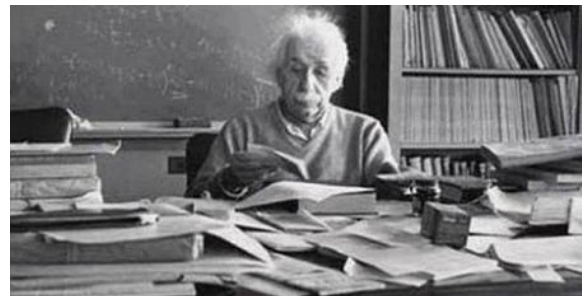
In case the worst-case scenario happens, be sure to have a fire extinguisher in the kitchen where it's in easy reach. Never, ever put water on a grease fire because it can make the fire spread.

Dallas Hubley

Cell: 902-817-7537



Need a tube for a repair, a restoration, a project? Contact Dallas Hubley 902-817-7537



"If a cluttered desk is a sign of a cluttered mind, of what, then, is an empty desk a sign?"

— Albert Einstein

May you laugh at yourself and realize if you were supposed to touch your toes while exercising, the Lord would have placed them further up, and may you realize the reason so many people take up jogging is to hear heavy breathing again.

Definition: ADULT:

A person who has stopped growing at both ends and is now growing in the middle.

Revised RAC 0-30 MHz Band Plan Released 2015-11-24 By ares-admin

The revised RAC 0-30 MHz Band Plan has been released with the effective date of December 1, 2015. This replaces the January 1, 2015 Band Plan version. It incorporates several updates to reflect feedback received on the earlier version. The Band Plan graphics have also been changed to improve readability and make it easier to determine which segments are recommended for which modes, especially for those who are colour-blind.

The RAC 0-30 MHz Band Plan is available on the RAC web site: wp.rac.ca/rac-0-30-mhz-band-plan or by

navigating through the “How to Start?” tab on the RAC home page. A downloadable PDF file is available by clicking the image.

Hats off to Vince d'Eon, VE6LK for the many hours of work preparing the graphics through numerous revisions. Thanks to the RAC Band Planning Committee, chaired by Al Penney VO1NO, with members Mel Martin VE2DC, Ken Asmus VA3KA, Frank VanderZande VE7AV, and Don Moman VE6JY for the over one-year commitment in reviewing the old band plans and current practices. Thanks also to Claude Lalande VE2LCF and Dann St-Pierre VE6TD for their help in producing the French language version and to Eric

Lysenko VE3EAL for his insights on improving readability. Finally, RAC would like to thank all those who provided comments on the January 1, 2015 Band Plan. This feedback was instrumental in producing a graphic of great use to Canadian Amateurs.

The RAC 0-30 MHz Band Plan is a living document. Comments and suggestions are welcome.

Please use the comment form wp.rac.ca/executives and select International Affairs Officer. Comments will be acknowledged and forwarded to the full RAC Band Planning Committee for consideration as future updates.

George Gorsline VE3YV
International Affairs Officer

The Board of Trustees of the Canadian Amateur Radio Hall of Fame is pleased to appoint Jim Dean VE3IQ (SK) of Ottawa, ON and Farrell (Hoppy) Hopwood VE7RD of North Vancouver, BC to the Hall of Fame for 2015. The awards will be presented at local ceremonies in coming months. A summary of their contributions to amateur radio will be published in The Canadian Amateur magazine.

The appointments are to recognize amateurs for outstanding achievement and for sustained service to amateur radio in Canada, or amateur radio at large. The Board of Trustees consists of an amateur radio representative from each province of Canada, appointed by the Directors of Radio Amateurs of Canada..

Ed Frazer VE7EF
Chair, Board of Trustees, Canadian Amateur Radio Hall of Fame
Radio Amateurs of Canada

The Maritime Amateur

Ham Radio
for Maritimers by Maritimers
www.maritimeamateur.ca



Answer to Puzzler on page 2

Graphene is a one-atom-thick layer of carbon atoms arranged in a hexagonal lattice. It is the building-block of Graphite (which is used, among others things, in pencil tips), but graphene is a remarkable substance on its own - with a multitude of astonishing properties which repeatedly earn it the title “wonder material”.

Graphene is the thinnest material known to man at one atom thick, and also incredibly strong - about 200 times stronger than steel. On top of that, graphene is an excellent conductor of heat and electricity and has interesting light absorption abilities. It is truly a material that could change the world, with unlimited potential for integration in almost any industry.

Graphene is an extremely diverse material, and can be combined with other elements (including gases and metals) to produce different materials with various superior properties. Researchers all over the world con-

tinue to constantly investigate and patent graphene to learn its various properties and possible applications, which include:

- touchscreens (for LCD or OLED displays)
- transistors
- computer chips
- batteries
- energy generation
- supercapacitors
- DNA sequencing
- water filters
- antennas
- solar cells
- Spintronics-related products

Graphene is pretty exciting and is getting a lot of hype - especially since the 2010 Nobel prize in physics went to Andre Geim and Konstantin Novoselov, who first isolated Graphene in 2004. Manchester City is quite proud of this discovery and they produced a nice video introducing graphene, its discovery and applications:

http://www.graphene-info.com/introduction?utm_source=SDLE-newsletter&utm_medium=e

AT&T fired President John Walter after nine months, saying he lacked intellectual leadership. He received a \$26 million severance package. Perhaps it's not Walter who's lacking intelligence.

From the Mail Bag



European hams announce NEW RADIO – a dual-band, multi-mode radio to support DMR, D-STAR and C4FM

The “NEW RADIO” developed by hams as a dual-band, multi-mode radio supporting FM, DMR, D-STAR and C4FM.

Read the full article at:

<http://www.va3xpr.net/newradio-dual-band-multi-mode-radio/>

Ken, VY2RU

VP8STI - S. Sandwich and VP8SGI - S. Georgia DX-Pedition Video....

The VP8STI, VP8SGI DX pedition 2016 - Gerstell Academy Youth Project was shown at Dayton Hamvention DX Forum.

The VP8STI - S. Sandwich Island and VP8SGI - S. Georgia Island DX-pedition Video is at

<https://www.youtube.com/watch?v=dySxiH8s2NI&feature=youtu.be>

That landing area with the rock cliffs looks a lot like the landing area on St.Paul Island when we were there! I think St.Paul had a bit higher cliffs though!

Enjoy - Ken, VY2RU

ALBERTA Distracted Driver Law, June 1, 2016 - Amateur and CFARS Mobile Operation is BANNED.

A call to Alberta Transportation the other day to check on this and was told that ONLY EMERGENCY VEHICLES can use two way radios in Alberta starting June 1st. No CB, Amateur allowed while driving according to them. I'm not sure they understand anything past what CB radio is.

Several other radio amateurs have received the same response.

VE6LS

Here is a good Podcast on DMR and other Digital Systems...long but interesting. Great price on a DMR/FM portable as well from MTC.

- Ken VY2RU

DMR or Digital Mobile Radio is one of the hottest things happening in the Ham Radio Hobby right now. Commercial success of the mode has driven down the prices and made it accessible to the Amateur Radio hobbyist. Join us to learn how this exciting mode is quickly becoming a game changer!

Listen to the excellant explainton of DMR and other Digital Systems:

http://hwcdn.libsyn.com/p/8/8/4/884bd37425266948/53final.mp3?c_id=11810269&expiration=1464733764&hwt=b56a7c77c0ee37c9e855bdb0d35d2a7c

Show Notes: <http://hamradio360.com/index.php/2016/05/31/ham-radio-dmr-with-k1rjz-digital-mobile-radio/>

The DMR-MARC Worldwide Network: <http://www.dmr-marc.net/>

VHF MD-380 <http://www.mtcradio.com/tytera-dmr-md-380-vhf-136-174-mhz-digital-handy-talkie-with-programming-cable-software/>

UHF MD-380: <http://www.mtcradio.com/tytera-dmr-md-380-uhf-400-480mhz-digital-ht-with-programming-cable-software/>

Thanks for listening! 73, K4CDN

Canada 150: Special Event Prefixes for Canada's Sesquicentennial 2016-05-25 By Alan Griffin

At the Dayton Hamvention, Radio Amateurs of Canada announced that it has secured permission for all Canadian Radio Amateurs to use special call sign prefixes to celebrate the 150th anniversary of Canada's Confederation.

National, regional and local events will take place throughout 2017 to celebrate the anniversary and Canadian Amateurs will let their counterparts around the world know of our celebration by using the following special prefixes:

Amateurs and clubs whose regular call signs start with VA will be able to use the CF prefix instead of VA (for example, VA3RAC will be authorized to use the CF3RAC call sign).

Amateurs and clubs whose regular call signs start with VE will be able to use the CG prefix instead of VE (e.g., VE4RAC will be authorized to use CG4RAC).

Amateurs and clubs whose regular call signs start with VO will be able to use the CH prefix instead of VO (e.g., VO1RAC will be authorized to use CH1RAC).

Amateurs and clubs whose regular call signs start with VY will be able to use the CI prefix instead of VY (e.g., VY2RAC will be authorized to use CI2RAC).

These special prefixes are optional and Amateurs can choose if and when to use the special prefix vs their normal prefix at any time during the year. Stay tuned to the RAC website for additional information

For more information on Canada150 visit

<http://canada.pch.gc.ca/eng/1342792785740>.

A government big enough to give you everything you want, is strong enough to take everything you have. Thomas Jefferson