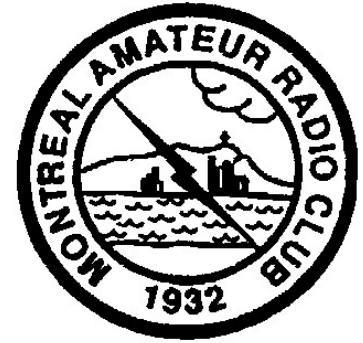


marcOgram

Official Publication of The Montreal Amateur Radio Club Inc.
Box 53047 - RPO Dorval, Dorval Quebec H9S 5W4



Volume 64, Number 7

April 2018

NEXT MEETING



Tuesday 24 April 2018



Ragchew and Fleamarket: 19:30
Club meeting: 20:00

St. Ignatius of Loyola Parish Church

4455 West Broadway (corner of Terrebonne) in N.D.G. - Montreal

**** VE2EVN Marc-André ****

Kenwood TS940S CAT Project.

FROM THE EDITOR'S DESK

Please note! All future General meetings, will be held on the last **Tuesday** of the month, at St. Ignatius of Loyola lounge in the basement. For further information, and reasoning, see page 6.

Well. What a disappointing Spring! Anybody seen it lately? It appears to be MIA.

On a more encouraging note, see page 5 for news on an additional 15 kHz for the 60 Metre Band, and Ken Magee, VE2EXC/VE2LZR, has generously donated a Yaesu FT-101E with the matching FV-101B VFO for independent receive and transmit frequencies, a FL2000B linear amplifier and a Heathkit HN-31 Antenna. Official notice and thanks to follow.

73 de Nora, VA2NH

- . . . -

MARC HAMFEST - RESULTS

Most of the vendors who reserved tables showed up and there was good attendance with many eager hamfesters through the front door.

Table revenue was excellent, with the gate receipts and a few donations. The expenses were affordable for the hall and the amount spent on the books for the grand prize was minimal. Bottom line, we have a surplus, including the donations from vendors not wanting change.

It was another successful hamfest and I did hear from two or three vendors that it went well for them, and we'll likely see them again next year.

Thanks to Marc-André, Craig Brander, Shahrar Rezaei for their help today and to RadioWorld and RAQI for their help with door prizes.

73 de Jim, VE2VE, secretary-treasurer.

The MarcOgram is published nine times per year on the second to last Wednesday of September through June, excepting December by the Montreal Amateur Radio Club. Advertising and copy deadline is one week prior to publication.

Annual fees are:
General Members ... \$30.00
Family Members (per family) ... \$35.00
Postal delivery of MarcOgram ... \$ 5.00

The membership year runs from September 1 to August 31. Memberships received on or after June 1 commence immediately and extend through the subsequent membership year - covering a period of up to fifteen months.

Articles published in the MarcOgram may be reproduced providing credit is given to the original author and the Montreal Amateur Radio Club as the source.

The opinions expressed herein are, unless otherwise stated, solely those of the authors concerned, and not those of the Club, the Directors or members and do not represent the policy of the Club.

Directors

President: Marc-André Gingras, VE2EVN... ve2evn@marc.ca
Vice President: Leo Nikkinen, VE2SI..... ve2si@marc.ca
Secretary-Treasurer: James R. Hay, VE2VE..... ve2ve@marc.ca
Directors: Sheldon Werner, VA2SH..... va2sh@marc.ca
Nora Hague, VA2NH..... va2nh@marc.ca
George Hedrei, VE2NGH
Eamon Egan, VE2EGN..... ve2egn@marc.ca
Mario Piacitelli, VA2TMP..... va2tmp@marc.ca
Paul Iarrera, VE2OFH..... ve2ofh@marc.ca

Club Call Sign: VE2ARC

Club Website: <http://www.marc.qc.ca>

Repeaters

VE2BG 147.06 MHz (+)

Owned and operated by the Montreal Amateur Radio Club. Located on the Pointe Claire water tower.

VE2RED 147.27 MHz (+) 103.5

On the air from Ridgewood Ave. in Montreal; CTCSS tone of 103.5 Hz for access. Thanks to Claude Everton, the VE2RMP group and Metrocom for making this possible.

The repeaters are open to all amateurs.

Meetings of the Board of Directors

Meetings of the Board of Directors are open to any member to attend. Board meetings are held on the first Tuesday of the month (Aug to June) at 19:30 in the Wardens' Room, St. Ignatius of Loyola Parish, 4455 West Broadway. Should you wish to attend one of the meetings you are welcome; just speak to one of the directors before-hand to make certain that the meeting has neither been cancelled, nor the location changed.

Club Activities

Monthly Meetings

(red indicates Tuesday)

24 Apr 2018 — VE2EVN Marc-André on Kenwood TS940S CAT Project.

29 May 2018 — Show & Tell.

Radio Classes

A basic level course is held starting in January of each year. If you know of anyone interested in taking the course they should send a message to:

classes@marc.ca

MARC Hamfest

The 2018 flea market was held at the LaSalle Legion on 7 April. Plans are afoot for next year's fest.

Go to

<http://www.marc.ca/fest/fest.html>

for more information as it happens.

Incoming QSL card service

As has been mentioned in previous MarcOgrams, we are resuming the club's service of having incoming QSL cards sent to the club for members to pick up at meetings. This is a service which we are offering to our members which both saves the individual members money as well as makes more efficient use of our collective resources.

If you would like to avail yourself of this service please send an e-mail to qsl@marc.ca and we will add you to the list of cards that the incoming bureau sends to the club and bring them to the monthly meetings.



UPCOMING FLEAS

2018

What: VE2MO Hamfest

Who: Radioamateurs Mauricie Centre-du-Québec

When: Samedi, 21 avril, 2018

Where: 350 côte Richelieu, Trois-Rivières O. QC

What: 42nd Annual Durham Hamfest

Who: North Shore & South Pickering Amateur Radio Clubs

When: Saturday, 28 Apr, 2018

Where: Pickering, ON

What: The NEAR-fest

Who: New England Amateur Radio Fest

When: Friday, 4 May, 2018

Where: Deerfield Fairgrounds, Deerfield, NH

What: St-Colomban hamfest

Who: VE2CVN Club Radioamateur de la Rivière-du-Nord

When: Samedi, 12 mai, 2018

Where: Centre communautaire, St-Colomban, QC

What: Sorel-Tracy hamfest

Who: VE2CBS Club Radio Amateur Sorel-Tracy

When: Dimanche, 27 mai, 2018

Where: Club de Curling, Sorel-Tracy, QC

What: Rochester Hamfest 2018

Who: RARA, Rochester Amateur Radio Association

When: Saturday, 2 Jun, 2018

Where: 137 South Ave., Hilton, NY

Donation to MARC

The Club would like to thank Terri, XYL of SK David Renwick, VE2KZB, for the donation of the station's equipment to the Montreal Amateur Radio Club.

The equipment is available for sale; here's a list of the items. Please contact Jim VE2VE or Marc-André VE2EVN to arrange the details.

The suggested value of each item in Canadian funds has been estimated by Leo, VE2SI, based on his years of experience at cruising any hamfest within range.

Note there was a misprint in the previous list: the Heathkit power supply is \$35.00, not \$350.00! There is a reduction in the estimate for the ICOM IC-2AT handheld; the battery condition is unknown so the estimate is now \$75.00

Remember! The NEARfest is upcoming at Deerfield, NH, on 4-5 May 2018, for more of the same type of bargains.

Atlas 215X transceiver	\$325.00
ICOM IC-2AT transceiver	\$75.00
Heathkit HW-2036A transceiver	\$70.00
Heathkit HWA-2036-3 AC power supply	\$35.00
Denton GLA-1000 amplifier	\$350.00
Atlas model 206 oscillator	\$100.00
Realistic pro-2003 direct entry programmable scanner	\$30.00
Yaesu YD 148 dynamic microphone	\$30.00
Earphones (1 of 2)	\$20.00
Earphones (2 of 2)	\$20.00

The Solder Spot

By Leo Nikkinen, VE2SI

(reprinted to attract potential builders!)

SolderSpot is a group build program that's intended to get amateurs and electronic hobbyists into building electronic projects. Although SolderSpot is a MARC activity, the projects are open to anyone that's interested, not just MARC members. The club obtains the materials, rents space for the build and club members provide instruction and help where needed.

The cost to participants is intended to cover the price of the materials and room rental, and depends on the project and its time requirements.

Whether you're new to electronics or an experienced builder, all projects with active circuitry require a power source. Batteries can be used to power some circuits, however, a power supply with an adjustable output voltage is a useful piece of equipment and invaluable when developing new circuitry.

The coming MARC SolderSpot project will be the construction of a power supply (PS) with an adjustable output voltage and digital output meters. The exact design is being finalized, but the PS will likely have dual outputs, 0 to +20 volts and 0 to -20 volts, with a maximum output current of 500 mA. A PS of this type is suitable for powering single-supply circuitry (eg. transistor circuits) or equipment that requires "plus" and "minus" supplies (eg. op-amp circuits). The PS will be constructed in a plastic case with most, or all, of the mechanical components in a ready-to-assemble form. This type of PS is often referred to as a bench power supply.

Builders will receive a kit with parts and an instruction manual, that covers both the construction of the PS and an explanation of the way that a PS works. Build sessions will start with a brief outline of the day's work and a few words of explanation for that part of the circuit. The project cost will be finalized once the prototype unit is completed, but it is expected to be around \$100, will take 4-6 sessions to complete, and will start in Autumn 2018.

The project has several goals: 1) to encourage an interest in building electronic equipment; 2) to develop soldering and assembly skills, and show how an electronic project is built; 3) to increase understanding of the way that electronic circuitry works; and 4) give the builder a power supply that will be useful for future projects.

Interested parties may contact me directly or through the Club.

Leo Nikkinen, VE2SI
leo49@videotron.ca

-...-



We regret to inform you that Durham Radio Sales & Service Inc., after nearly 25 years in the industry, closed its doors forever at 3:00 PM on Saturday, April 14th.

We would like to thank our dedicated staff, loyal customers and friends for your continued support and for many great years in this hobby. Unfortunately, times have changed and it has become impossible to remain competitive in this industry without making drastic changes to our business model. We have decided that it would be better to close the business rather than change the products we carry and reduce customer service.

If you need product support please contact the manufacturer.

If you've recently ordered something and it did not arrive, please track your shipment to make sure it's on the way. If tracking is not available please contact your credit card company for a refund.

For any legal issues ie. contracts, creditors etc, please contact Jason Sklar at 416-498-9200 for more information.
Email: contact_us at durhamradio.com.

ADDITIONAL 15 KHz FOR 60 METRE BAND

Revised Canadian Table of Frequency Allocations now includes additional 15 kHz for 60 Metre Band with the same power limits as earlier allocated spot frequencies.

RAC-Bulletin, for immediate release:

In August 2017, the Department of Innovation, Science and Economic Development Canada (ISED) issued "Proposed Revisions to the Canadian Table of Frequency Allocations". These proposed changes followed decisions made at the World Radiocommunications Conference in 2015 (WRC-15) that included a 15 kHz-wide allocation for the Amateur Service in the 60 metre band. The proposed revisions to the Table would retain the original five 5 MHz spot frequencies with 100 watts of effective radiated power, but restrict the new 15 kHz allocation to only 15 watts (eirp), the agreement at WRC-15 that accommodated concerns of a few countries over possible interference to their domestic communications. Decisions these days at World Radio Conferences require unanimous consent of all member nations.

Radio Amateurs of Canada noted in its response to the proposed changes that there had been no reports of interference from Amateur Radio operations on the existing five 60m spot frequencies following their use in Canada since 2014 and in the USA for even longer. Further, the rationale for allocating the spot frequencies had been based on the value of 60m for emergency communications and the low power limit adopted at the WRC would seriously limit this use. Other responses from the Radio Advisory Board of Canada (of which RAC is a member organization), the Ottawa Valley Mobile Radio Club, the Marconi Radio Club of Newfoundland and several individual Radio Amateurs also recommended 100 watts. The new allocation will be more effective and manageable for domestic SSB communications and consistent with the existing use of the band on the five spot frequencies now enjoyed by Canadian Amateurs. The responses can be read at: <https://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf11346.html>.

We are happy to report that in their release of the Revised Table of Frequency Allocations (<http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf10759.html>) issued on April 13, 2018, ISED has addressed the concerns of the Canadian Amateur Radio community. The Revised Table now allocates the band 5351.5 kHz - 5366.5 kHz (which overlaps one of the previous 60m spot frequencies) and the four previously allocated spot frequencies (5332, 5348, 5373 and 5405 kHz). The conditions for the use of the band and spot frequencies remain the same as those governing the spot frequencies previously: maximum effective radiated power of 100 watts PEP, 2.8 kHz emission bandwidth and permitted modes telephony, data, RTTY and CW. The Table notes that the Amateur 60m allocations are not in accordance with international frequency allocations and that Canadian Amateur operations shall not cause interference to fixed or mobile operations in Canada or other countries. As in the previous allocation of the spot frequencies, the Table notes that if interference occurs the Amateur Service may be required to cease operations. This is a standard condition of domestic allocations and as noted previously by RAC has not occurred during operation on the previously allocated and authorized spot frequencies.

Even though the Canadian Table of Frequency Allocations now identifies this new 60 metre allocation for the Amateur Service, Canadian Amateurs must **await authorization** by ISED before using the new 15 kHz segment. Such authorization is normally effected via a revised issue of document RBR-4 – Standards for the Operation of Radio Stations in the Amateur Radio Service (<https://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf10650.html>).

Radio Amateurs of Canada will be urging ISED to authorize the new 15 kHz segment as soon as possible.

Glenn MacDonell, VE3XRA
RAC President and Chair
ve3xra@rac.ca

[Editor's note: See page 8 for Canadian Band Plans]

- . . . -

MARC GENERAL MEETINGS

As promised and following consultation at meetings, the board has made the decision to move the General meetings to Tuesday evenings going forward. At the last board meeting, a motion was adopted to make this change permanent.

This change was due to the unavailability of the venue on Wednesdays both in spring and in fall. There was a preference by a majority of members to keep the same venue, and to change the meeting day.

So meetings will be held every last Tuesdays of the month (September to May, except for December) in the lounge at St. Ignatius of Loyola.

Board meetings will also move to the first Tuesday of the month.

We look forward to seeing you all at the meetings.

Marc-André VE2EVN, President.

- . . . -

Production Manager

Edward Wielgus
D.C.S., B.Eng., M.Eng., VE3VMF

Montréal, Quebec, H2K1J2, Canada

Fax.: (514) 360-2956
ed_die.2@Hotmail.com
Facebook, LinkedIn, Twitter

LIFE IS SIMPLE



WORLD AMATEUR RADIO DAY

Every April 18, radio amateurs worldwide take to the airwaves in celebration of World Amateur Radio Day. It was on this day in 1925 that the International Amateur Radio Union was formed in Paris.

Amateur Radio experimenters were the first to discover that the short wave spectrum — far from being a wasteland — could support worldwide propagation. In the rush to use these shorter wavelengths, Amateur Radio was “in grave danger of being pushed aside,” the IARU’s history has noted. Amateur Radio pioneers met in Paris in 1925 and created the IARU to support Amateur Radio worldwide.

Just two years later, at the International Radiotelegraph Conference, Amateur Radio gained the allocations still recognized today — 160, 80, 40, 20, and 10 meters. Since its founding, the IARU has worked tirelessly to defend and expand the frequency allocations for Amateur Radio. Thanks to the support of enlightened administrations in every part of the globe, radio amateurs are now able to experiment and communicate in frequency bands strategically located throughout the radio spectrum.

From the 25 countries that formed the IARU in 1925, the IARU has grown to include 160 member-societies in three regions. IARU Region 1 includes Europe, Africa, the Middle East, and Northern Asia. Region 2 covers the Americas, and Region 3 is comprised of Australia, New Zealand, the Pacific island nations, and most of Asia. The International Telecommunication Union (ITU) has recognized the IARU as representing the interests of Amateur Radio.

Today, Amateur Radio is more popular than ever, with more than 3,000,000 licensed operators!

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

[Source: www.iaru.org, retrieved 2018-04-17]

- . . . -

18 APRIL
**WORLD AMATEUR
RADIO DAY**

اليوم العالمي لراديو الهواة

Día Mundial del Radioaficionado

Всемирный День радиолюбителя

Journée mondiale de la radio amateur

世界业余无线电日

Celebrating Amateur Radio's Contribution to Society



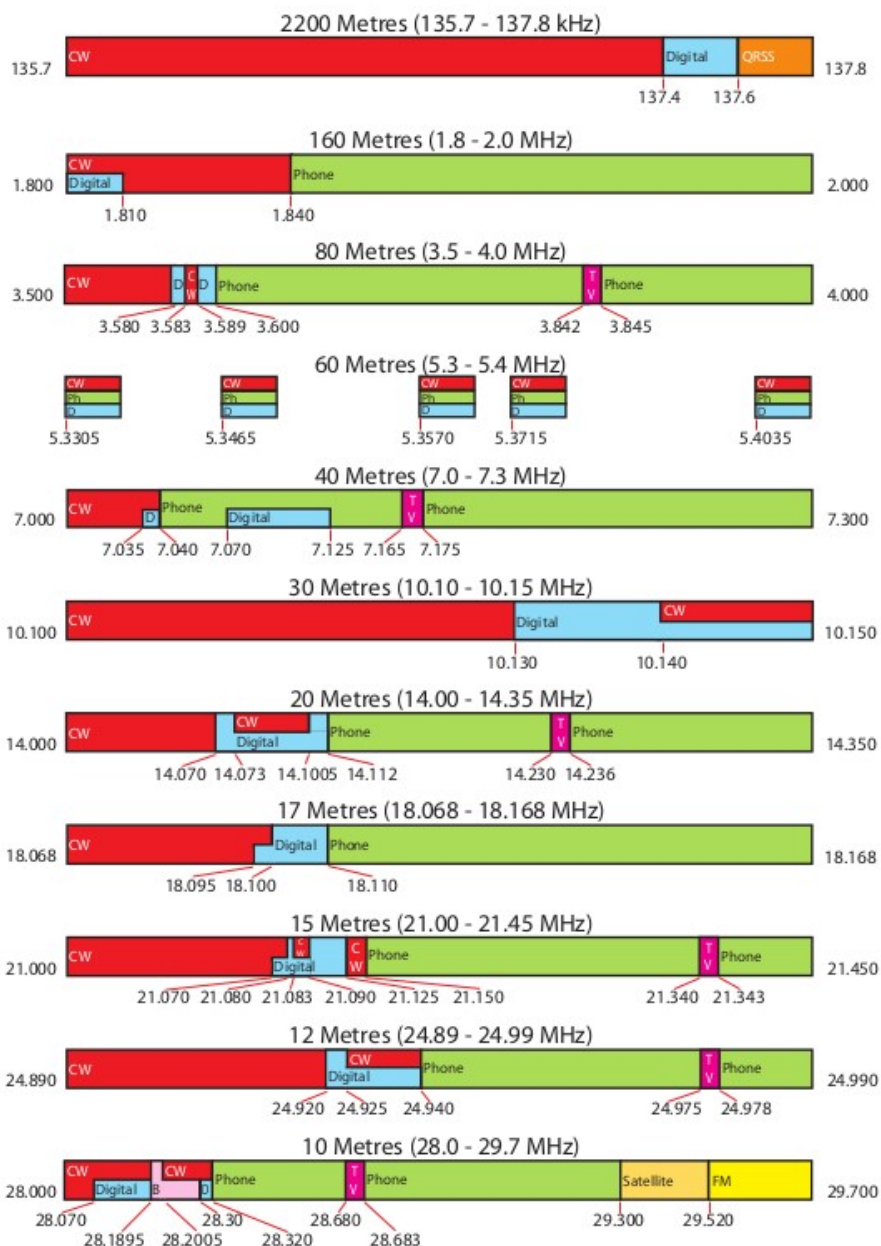


Canadian 0 - 30MHz Band Plan

**Effective Date:
December 1, 2015**

1. This is a simplified version of the official RAC Band Plan. Not all permissible modes/activities are represented.
2. LSB is used on 160, 80 and 40m. USB is used on all other bands that permit SSB, including 60m.
3. Consult various online resources for detailed information on what digital modes are used.
4. Maximum bandwidth permitted on 2200m is 100 Hz. Maximum power is 1 Watt EIRP.
5. Refer to the IC and RAC websites for full details before operating on the new 60m channels.
6. Remember not to allow your signal to spill over into adjoining band segments when operating close to the edges. During major weekend contests, activity in certain modes can spill over into other segments. Operators should avoid NCDXF beacons on 14.100, 18.110, 21.150, 24.930 and 28.200 MHz.
7. This graphic is a living document and will be reviewed and updated periodically to reflect changes in the band plans and operating habits.

www.rac.ca



Key

CW	CW	FM	FM	TV	SSTV
QR	CW QRSS	B	Beacons	D	Digital
Ph	Phone	S	Satellite		

Graphics © 2009-2015 -- Vincend'Eon, VE6LK / A7LK