

# marcOgram

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



Volume 50, Number 1      September 2004

## “JOHN GROW, VE2EQL ON THE NVQS FIELD DAY (QRP) AND LOBSTERCON 2004 (QRP)”

Wednesday 29 September 2004

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

(Please enter by the back door)

John Grow, VE2EQL will give a talk and slide show on the NVQS (Northern Vermont QRP Society) Field Day, and Lobstercon 2004, the premier QRP event in Northern New England. Come hear and see the pleasures of spending field day at Mount Mansfield. John will display some of the equipment types used during field day. John's talks are always entertaining and informative and this will be no exception. This is a meeting to attend.

### A WORD FROM THE PRESIDENT

Hello,

Well, summer is nearly over and the fall is upon us and with that another season commences. I hope that you have all had an enjoyable summer. This year I am looking forward to another good year but we will need your help also. As I write this I am still looking for someone to assist us with the tower work at the MAB. Also we are looking at the possibility of a social function sometime around the Christmas season.

The September meeting promises to be an interesting one and I hope that I will be seeing many of you there. Please remember that your annual dues are now due and it helps the club considerably if you pay early. Vernon will be more than happy to receive your form and money at the meeting or at the Post Box.

We have again been invited to join the Laval-Laurentide club for their field day in 2005 and I would like to find someone to organize the club's participation.

**Membership Renewal Reminder** - Your membership renewal form is enclosed with this month's Marcogram. Now is the time to return your form and dues to show your support for M.A.R.C. and amateur radio. Thank-you.

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.

Editor:  
 Craig Brander, VE2YKG craigyul@total.net 514-488-5109

Annual fees are:  
 General Members ... .. \$23.00  
 Associate Members ... .. \$23.00  
 White Cane Members... .. \$10.00  
 Family Members (per family) ... .. \$30.00

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.

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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: James R. Hay, VE2VE.....514-697-7205  
 jrhay@HayA.qc.ca  
 Vice President: Sheldon Werner, VA2SH ag4tg@videotron.ca  
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 Treasurer: Vernon Ikeda, VE2MBS.....514-684-7944  
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 Raymond Faguy, VE2SJA ve2sja@rac.ca

Club Call Sign: VE2ARC

Club Website: <http://www.marc.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 (+)  
 Owned and operated by the Montreal Amateur Radio Club. Located near Decarie and Cote St. Luc Road.

VE2RJS 449.975 MHz (-)  
 Owned by the Montreal Amateur Radio Club and operated by the Cote St Luc Amateur Radio Association. Located near Decarie and Cote St. Luc Road.

The repeaters are open to all amateurs and VE2RED also offers a phone patch available to all amateurs during the day and evening.

### Meetings of the Board of Directors

Meetings of the Board of Directors are open to any member to attend. Board meetings are held the first Wednesday of the month (Sept. to June) at 7:30 PM at the Montreal Association for the Blind, 7000 Sherbrooke St West. 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

Club meetings are held at the St. Ignatius of Loyola Parish Church which is located at 4455 West Broadway (the corner of West Broadway and Terrebonne) in the N.D.G. District of Montreal. The meetings will be held in the Lounge which is the rearmost door on the south side of the building unless we have reason to hold it in the Parish Hall which is the first door on the South side of the building. An informal fleamarket and ragchew session starts at 19:30 with the formal meeting starting at 20:00. The STM Buses 51, 162 and 105 stop nearby.

- 29 Sept 2004 - John Grow, VE2EQL on the NVQS (QRP)  
 Field Day and Lobstercon 2004 events
- 27 Oct 2004 - Annual General Meeting
- 24 Nov 2004 - TBA
- 26 Jan 2005 - TBA
- 23 Feb 2005 - TBA
- 30 Mar 2005 - TBA
- 27 Apr 2005 - TBA
- 25 May 2005- TBA

### Radio Classes

Each year the MARC holds a basic radio course. Plans are underway to start the next session in January 2004. We will have more details latter in the fall. For more information or if you know of any potential candidates please contact Jim Hay for Vern Ikeda.

### MARC Hamfest

Planning is now underway for next springs hamfest. If you want to contribute to the organization or for more information contact Jim Hay or Vern Ikeda.

## IN CASE OF EMERGENCY

- Montreal 911 Centre ..... 514-280-2121
- Laval 911 Centre .....450-662-4240
- Longueuil 911 Centre .....450-646-8570
- Sûreté du Québec ..... 310-4141
- Kahnawake Peace Keepers 450-632-6505

These numbers are for emergencies ONLY

Once again this year the club supported the Harmony Horse Trials in Ste-Justine de Newton and, as always, the organizers were most appreciative of our help. Ken Magee, VE2EX, who organizes the amateur radio participation at that event has forwarded a donation from the organizers to the club which he has asked be put toward improving our portable repeater.

That's all for now. I hope to see you all at the meeting.

73 de Jim, VE2VE

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## FROM THE EDITOR'S DESK

Welcome back to another season of MARC meetings. Enclosed with this months newsletter is your membership renewal form. Please remember to return your form promptly, or, better yet why not come on out to the meeting to personally hand deliver it.

We have some articles on some of activities that club members participated during the summer. I hope to see you at the meeting and here's looking forward to another great year.

73 de Craig, VE2YGK

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## CONTEST CALENDAR

More on contests including full rules can be found on the Internet. Check:

<http://www.hornucopia.com/contestcal/index.html>

This site has concise rules etc., for the current week's contests.

### September 2004

CQ Worldwide DX Contest RTTY	0000Z Sep 25 to 2400Z Sep 26
Tesla Cup Phone	0000Z-2400Z Sep 25
Scandinavian Activity Contest SSB	1200Z Sep 25 to 1200Z Sep 26
Arkansas QSO Party	1400Z Sep 25 to 0600Z Sep 26
	and 1800Z Sep 26 to 0200Z Sep 27
Texas QSO Party	1400Z Sep 25 to 0200Z Sep 26
	and 1400Z-2000Z Sep 26
AGCW VHF/UHF Contest	1600Z-1900Z Sep 25
	and 1900Z-2100Z Sep 25
Alabama QSO Party	1800Z-2400Z Sep 25
Tesla Cup CW	0000Z-2400Z Sep 26
UBA ON Contest	6m 0600Z Sep 26 to 1000Z Sep 6
Fall QRP Homebrewer Sprint	0000Z-0400Z Sep 27
222 MHz Fall Sprint	1900 local -2300 local Sep 28

### October 2003

TARA PSK Rumble Contest	0000Z-2400Z Oct 2
Oceania DX Contest Phone	0800Z Oct 2 to 0800Z Oct 3
EU Autumn Sprint SSB	1500Z-1859Z Oct 2
California QSO Party	1600Z Oct 2 to 2200Z Oct 3
UBA ON Contest SSB	0600Z-1000Z Oct 3

RSGB 21/28 MHz Contest SSB	0700Z-1900Z Oct 3
German Telegraphy Contest	0700Z-0959Z Oct 3
ARS Spartan Sprint	0100Z-0300Z Oct 5
YLRL Anniversary Party CW	1400Z Oct 6 to 0200Z Oct 8
432 MHz Fall Sprint	1900 local -2300 local Oct 6
SARL 80m QSO Party	1700Z-2000Z Oct 7
EU Autumn Sprint CW	1500Z-1859Z Oct 9
Pennsylvania QSO Party	1600Z Oct 9 to 0500Z Oct 10
	and 1300Z-2200Z Oct 10
FISTS Fall Sprint	1700Z-2100Z Oct 9
North American Sprint RTTY	0000Z-0400Z Oct 10
10-10 Int. 10-10 Day Sprint	0001Z-2359Z Oct 10
UBA ON Contest CW	0600Z-1000Z Oct 10
Microwave Fall Sprint	0600 local -1300 local Oct 16
Worked All Germany Contest	1500Z Oct 16 to 1459Z Oct 17
Asia-Pacific Fall Sprint CW	0000Z-0200Z Oct 17
UBA ON Contest 2m	0600Z-1000Z Oct 17
RSGB 21/28 MHz Contest CW	0700Z-1900Z Oct 17
W/VE Islands QSO Party	1600Z Oct 23 to 2359Z Oct 24
50 MHz Fall Sprint	2300Z Oct 23 to 0300Z Oct 24
FISTS Coast to Coast Contest	0000Z-2400Z Oct 24
CQ Worldwide DX Contest SSB	0000Z Oct 30 to 2400Z Oct 31
10-10 Int. Fall Contest CW	0001Z Oct 30 to 2359Z Oct 31
ARCI Fall QSO Party	1200Z Oct 30 to 2400Z Oct 31

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## COMING EVENTS

For up to date Canadian Fleamarket listings, please check the Radio Amateurs of Canada site at:

<http://rac.eton.ca/>

or for up to date American listings, go to the American Radio Relay League Hamfest website at:

<http://www.arrl.org/hamfest.html>

### 2004 Hamfests

#### Sept 26

#### London ON

On Sunday, September 26, the London Amateur Radio Club 2004 Fleamarket at the Western Fair Grounds, Special Events Building, London ON.

Vendors 07h30 - Public 09h00 to 13h00

Admission: General Admission \$6.00 - Tables \$10.00

Talk-in VA3LON 147.060 (+) ctcss 114.8

Information: Tim Cobban, VA3TAC at 519-264-1029 or via E-mail at: hamfest@hamster.foxhollow.ca

<http://www.larc.on.ca/>

#### Sept 25

#### Drummondville QC

On Saturday, September 25, the 16ieme Annuale Hamfest Centre du Québec at the College St. Bernard, 25 Avenue des Freres, Drummondville, QC.

Talk-in: VE2CRD - 146.625 (-) CTCSS 110.9 -

Information: Jacques Genereux at 819-478-2847

E-mail: jacques@9bit.qc.ca

<http://www.9bit.qc.ca/~ve2crd/hamfest/index.html>

**Oct 16** **Ancaster ON**  
 On Saturday, October 16, the Hamilton Amateur Radio Club Hamfest 2004, at Merritt Hall (Ancaster Fair Grounds) on Highway 53 (Garner Road) between Southcote Road and Kittymurry Lane, Ancaster, Ontario  
 Vendors 07h00 - General Admission 09h00 to noon / Tables - 10.00\$ General Admission 6.00\$  
 Talk-in: VE3NCF 146.760 (-)  
 Reservations: Mardy (905)-648-0187 or via e-mail at meedson@cogeco.ca  
<http://www.hwcn.org/link/radio>

**Oct 23** **Longueuil QC**  
 On Saturday, October 23, the Hamfest de Rive-sud de Montréal, at Place Desaulniers, 1023, Blvd Taschereau, Longueuil, QC  
 Vendors 06h00 - General Admission 09h00 - 13h00 Talk-in: VE2RSM 145.390 (-)  
 E-mail: hamfest@ve2clm.ca  
<http://www.ve2clm.ca/hamfesta.htm>

**Oct 30** **Markham ON**  
 On Saturday, October 30, the 28th Annual York Region Hamfest, at the Markham Fairgrounds, McCowan Road at Elgin Mills Road East, - Markham, Ontario.  
 Vendors General Admission at 09h00  
 Admission Vendor Tables - see web page for more information.  
 Vendor Information: Tables are available by Mail only and payment must accompany your registration. No bookings will be taken by E-Mail, Phone, over the air or via Packet. Tables will be reserved only if pre-payment is received.  
 Talk-in: VE3YRA 145.350 (-)  
 Information/Reservations: The York Region Amateur Radio Club, P.O. Box 28590, Aurora, Ontario, L4G 6S6  
<http://www.yrarc.on.ca/hamfest>

73 de Vernon Erle Ikeda, VE2MBS  
 © 2004 - Vernon Erle Ikeda  
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**RAC BULLETIN 04-22E**  
**INDUSTRY CANADA GAZETTE NOTICE**  
**DGRB-003-04 ON MORSE CODE**

On Saturday, 28 August, 2004, Industry Canada published Canada Gazette Notice DGRB-003-04 - Consultation on "Recommendations from Radio Amateurs

of Canada to Industry Canada Concerning Morse Code and Related Matters", and invited comments. Amateurs have sixty days in which to respond.

The RAC proposal deals with the WRC-2003 decisions concerning Morse as a mandatory qualification for HF operation in the Amateur Service. RAC has recommended that Industry Canada delete the mandatory requirement for Morse testing but leave it as a voluntary qualification as it may be required for reciprocal operation in those countries retaining a Morse requirement.

Amateurs should address comments to Industry Canada as directed in the Notice. RAC recommends that Canadian amateurs endorse this proposal.

Amateurs with questions for RAC should direct them to their regional RAC Director.

The Notice is available at:

<http://strategis.ic.gc.ca/epic/internet/insmt-gst.nsf/en/sf06456e.html>

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 For more information, please read TCA and/or QST. RAC does not necessarily endorse, support or vouch for the accuracy of the information provided.  
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Note from Vernon Ikeda : To find out who your RAC regional director is, go to:

<http://www.rac.ca/service/bod.htm>

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**UPDATE ON ROMAN MASSONOV**

Just after last June's Marcogram was sent out we received this progress report from John Grow about Roman Massonov passing his basic exam:

Roman passed his basic exam on Sunday afternoon. The papers have been sent to Industry Canada, and we are awaiting the response. His call sign if everything goes well, will be VE2RKM. He will be spending the Field Day weekend with me and Suzanne in Vermont with the Northern Vermont QRP Society. There will be a few other kids his age present. He is very happy, and tired. It took him 4.5 hours to complete the exam. After field day, I'll be working with him on getting his CW on-line.

At the Tracey hamfest, I bought him a new Yeasu

(Continued on page 6)

# APCO CONFERENCE 2004 - MONTRÉAL QUEBEC - AUGUST 8-12, 2004

This year's APCO (Association of Public Safety Communications Officials) Annual Conference was held in Montréal, Quebec and members of the Montreal Amateur Radio Club and the Club Radio Amateur Rive-Sud Montréal played a role at the conference. The amateur radio presence at the conference was organized by the Director General (General Manager) of RAQI, our provincial Amateur Radio organization, M. Guy Lamoureux, VE2LGL.

The primary purpose of our attendance was to give Amateur Radio visibility at this very important annual conference of Public Safety officials, in particular local government agencies that still are not aware of the capabilities of Amateur Radio in emergency situations. A secondary role of welcoming visiting Amateur Radio operators developed after a few Amateurs stopped by the table on Sunday afternoon while it was being manned by James and myself. It was decided that we should start

keeping track of those who passed by the booth from that time on. We did have the CRA Rive-Sud Montréal (VE2CLM) communications trailer on Monday and Tuesday during the business hours of the conference.

Many thanks to the CRARSM club and to Guy Mercier, VE2GMP and Jean-Paul Harvey, VE2HPP for bringing the trailer both mornings and setting it up and then coming back in the afternoon to dismantle the installation and take the trailer back to Longueuil. A very special thank you from both James and myself to Steven Henke, W9SH for helping re-program the Kenwood TM-742A that we were using at the station we were operating in the Convention Centre. It had lost its CTCSS setting and despite my efforts to reprogram it, the radio refused all my efforts to do so. Steve works for Kenwood USA and when his efforts to try and correct the problem failed, he called the Kenwood Service tech in Atlanta, GA and it was through his efforts he enabled us to get back on the air on 70 cm. Also thanks to Steven Verbil, NA1SV and Chris Verbil, N5CV for helping Paul MacDougall get the FT-897 HF radio in the VE2CLM communications trailer working.

The APCO conference was a very good opportunity to meet other Amateurs and to share information which could prove useful in the future. James and I both visited the Exhibits on both Tuesday and Wednesday for a short time and saw a lot of nice toys that we both wish we could afford including a couple of Mobile Command Centres that was there on display. Of special interest to me was the talk given by Dan Miller, K3UFG, the ARRL Emergency Communications Course Manager entitled "Not a Last

Resort -- Amateur Radio in support of Homeland Security". While it does deal with Homeland Security and the role Amateur Radio will play in it, the concepts can be borrowed to Canadian ARES and other emergency operations to improve both communication and inter-personal skills of both Amateur radio operators and managers.

Operators from The Montreal Amateur Radio Club included Ron Campbell, VA2RJC, Paul "Mac" MacDougall, VA2YQ, Vernon Ikeda, VE2MBS



The CRA Rive-Sud Montreal (VE2CLM) communications trailer, in operation outside the APCO conference at Le Palais de Congres in Montreal.

and James Hay, VE2VE and from the Club Radio Amateur Rive-Sud Montréal, Guy Mercier, VE2GMP and Jean-Paul Harvey, VE2HPP a special thanks for trailer. In addition, the RAQI President, Mario Bilodeau, VE2EKL came on Monday morning to help set up the trailer and Jean-Guy Renaud, VE2AIK passed by the booth on Tuesday to take pictures for the RAQI news bulletin, "Le RadioAmateur". We had a steady flow of visitors through out the conference, both at the booth and the trailer. At least 65 amateurs signed the sign-in sheet that we had out. We did get a number of comments but the most common ones were "I wish that Amateur Radio could be more visible at events like this", "I should have brought my handi-talkie" and "You folks are doing a great job of helping promote the hobby". I have to admit that I really enjoyed spending the nearly four full days (half days Sunday and Thursday and Monday to Wednesday from 08:00 to 17:00).

73 de Vernon, VE2MBS

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(Continued from page 4)

X-150 2 metre HT. This was possible through the sale of the Alinco DJ-580 dual band HT, given by Bob Stein. Roman, likes this HT better and it is easier to use.

73 de John, VE2EQL

Note from Vernon Ikeda: For those of who may not be aware, Roman is a young lad that attended meetings this past meeting season and while Roman does suffer from both visual and physical disabilities, he is certainly very much looking forward to meeting many of you on the air. Many thanks to John Grow for taking charge of the situation and helping Roman, to Bob Stein, VE2MHO for the donation of the radio, Earl Paris and Sheldon Werner of the MAB radio Room for lending some help and to the other club members who helped.

73 de Vernon Erle Ikeda, VE2MBS

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### HAM RADIO AT THE JAY CHALLENGE 2004



Earlier this year, the Montreal Amateur Radio Club was asked to help supply communication support for the Jay Challenge across the border in Northern Vermont. The Jay Challenge is a three-day event (July 23-25) designed by Daniel DesRosier and is developing a reputation of being somewhat extreme.

In the first event, on Friday the 23rd, all the participants were to gather at 8 am in Magog, Quebec, to Kayak across Lake Memphremagog in the "Jay Crossover." This is a 26-mile race to Newport, Vermont. Everything was planned, and then the weatherman interfered. Because of a

severe weather warning for noon on Friday, the race start time was moved up to 4 am. The Hams were advised of this change on Thursday at 6 pm. This meant that sleep was going to be a rare commodity on Thursday night. But in the spirit of good service we were going to be there on time. When most of us arrived in Jay on Thursday night it was already raining, so we settled in for the short night. I noticed at that point that we were missing a Ham, Ron, VA2RJC.

The next morning (if you call 3 am morning), we were on our way out to Magog. We heard from Jacques, VE2CT who was on his way to Magog directly from Montreal. When we met in Magog, Jacques set up an APRS transmitter on the chase boat so that we could keep track of the racers. Unfortunately, it developed an intermittent problem. So we had to do without the APRS for this event. The race went well up until the skies opened up and decided it was time to water the lawn. The downpour was torrential to say the least. By the time the race was over, nobody was dry. Frank, VE2TOR was on the chase boat and at the end we had to run him through the wringer to dry him off. His HT was wet but it survived. A good hot shower and a nice fire in the fireplace took care of making Frank human again. Then we heard from Ron who had not arrived in Jay the night before. Ron had arrived, but he got stuck on the edge of a ditch in the parking lot of the Jay Peak Resort where we were staying, and the rain was so bad that he decided to get some sleep in his car and deal with the situation in the morning. Ron did not know about the time change on the start time nor did he know we were listening for him on the Jay repeater. When Ron woke up, he contacted the auto club and had his car towed out of the ditch. With great relief he found no damage to his car. He finally contacted us but by then the event for the day was almost over. So we met back at the Condo and got some rest.

The next day, Saturday the 24th was the 26-mile off-road "Jay Marathon." This event takes the runners up Jay Peak and around the Jay area. Our job was to transmit information and emergency traffic between checkpoints. Carole, VA2MOO was put in charge of the checkpoint on the top of Jay. The ride up to Jay was not what she expected. The tram that took the crew up to the top left on time but nobody advised us what time that was and there was only one trip up and one trip down that day. So Carole was treated to a ride up Jay Peak on an ATV. Not the smoothest ride in the world. The runners were blessed with a wonderful sunny day and lots of mud left over from the rain of the day before. It was quite a laugh to see the runner's faces when they got to the last checkpoint before the end, and saw that the last trail was knee-high mud. At the finish line we noticed a large garbage bin full of discarded dirty and muddy running shoes.

That evening Carole and I met with Daniel, the organizer, to plan for the next day. After looking at the map and seeing all the mountains that could interfere with the access to the repeater, we decided to go and see first hand if we could access it from all the checkpoints. We left at 10 pm and got back to the condo at 12:30 am. HT's were not going to cut it on this part of the event.

On Sunday the 25th was the 67-mile Mountain Bike Race with over 10, 500 feet of climbing to do. Can you spell gruelling? I must say that I was impressed by the exceptional coverage of the Jay repeater. We needed to be inventive but we were able to access the repeater from all the checkpoints including the one furthest from Jay, a checkpoint 8.5km south of Montgomery Center in the woods. I have never seen so many happy and filthy people in my life. Of 76 participants that started, 70 made it to the finish line. One of these participants, on arriving at the finish line, rolled off his bike and lay down for a moment to catch his breath. When Daniel came to congratulate him, the participant looked at him and said "Daniel, you are crazy." He continued, with a big smile: "great race, man."

I would like to express my appreciation to the Hams that participated in this event:

- \* Bob Henry, WB4OOV
- \* Carole Albert, VA2MOO
- \* Max Davies, VA2PMD
- \* Ron Campbell, VA2RJC
- \* Jacques Boucher, VE2CT
- \* Ray Faguy, VE2SJA
- \* Frank Torontour, VE2TOR

Also many thanks to the owners and operators of the Jay repeater for the use of their repeater, and to Bob WIWAW for his support. Amateur Radio operators came from the the Montreal Amateur Radio Club, Covey Hill Amateur Radio Club and West Island Amateur Radio Club.

73 de Raymond Faguy - VE2SJA  
 Edited by Steven Faguy VA2SMF

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**CLASSIFIED**

DEADLINE for classified ads is the second Wednesday before the monthly meeting.

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**NOTICE OF MEETING**

Notice is hereby given that the Annual General Meeting of the Montreal Amateur Radio Club, Inc. will be held on Wednesday, October 27th, 2004 at eight o'clock in the evening at the St. Ignatius of Loyola Parish Church, 4455 West Broadway (corner of Terrebonne) in N.D.G., Montreal

The meeting is called to

- Receive and if thought fit, approve the reports of the officers,
- Receive, and if thought fit, approve the report of the auditor,
- Elect a President and elect other executive positions for the ensuing year,
- Elect the remaining Board of Directors for the ensuing year,
- Transact such other business as may properly come before the meeting.

Given at Montreal this 1st day of September, 2004.

(sgd) Sheldon Werner  
 Sheldon Werner, VA2SH  
 Acting Secretary.

**SILENT KEY -**

**LEONARD ROSEN VE2LAA**

We are sad to report the passing of Leonard Rosen, VE2LAA on Wednesday August 25th, 2004. He was father of Howard Rosen, VE2AED. Leonard had been a member of MARC since the late 1980's and regularly attended club meetings until recent years.

On behalf of the Board of Directors and the membership of the Montreal Amateur Radio Club, we would like to pass condolences to Leonard's family friends.

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**Radio HF**  
C.P./BOX 67063-Lemoyne  
St. Lambert, Quebec  
J4R 2T8

Sheldon Harvey, Prop  
VE2SHW

**TELEPHONE & FAX: 450-671-3773**

**SANS-FRAIS/TOLL FREE:**  
**1-800-463-3773**

**E-MAIL/COURRIEL:**  
[radiohf@sympatico.ca](mailto:radiohf@sympatico.ca)

**WEB:** [www3.sympatico.ca/radiohf](http://www3.sympatico.ca/radiohf)

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**SHORTWAVE & AM/FM RADIOS / RADIOS ONDES COURTES & AM/FM**  
A.O.R., DRAKE, FAIRHAVEN, GRUNDIG/ETON, ICOM, SANGEAN, SONY, YAESU

**SCANNERS / BALAYEURS D'ONDES**  
A.O.R., ALINCO, ICOM, UNIDEN/BEARCAT, WINRADIO, YUPITERU

**AMATEUR RADIO / RADIO-AMATEUR**  
A.D.I., ALINCO, ICOM, KENWOOD, RANGER, YAESU

**CITIZENS BAND (CB) / BANDE PUBLIQUE (CB)**  
ALAN, ASTATIC, CHEROKEE, COBRA, GALAXY, K40, MACO, MAXON, MIDLAND,  
PARADYNAMICS, RANGER, ROAD NOISE, SHAKESPEARE, SOLARCON/ANTRON, UNIDEN,  
VALOR/PRO-AM, WILSON, WORKMAN

**FAMILY RADIO SERVICE (FRS) / DISPOSITIFS RADIO DOMESTIQUES (DRD)**  
AUDIOVOX, COBRA, ICOM, KENWOOD, MAXON, MOTOROLA

**ANTENNAS / ANTENNES**  
ALPHA DELTA, ANTENNA SUPERMARKET, ARROW, ATOC, BUTTERNUT, COMET, CUSHCRAFT,  
DIAMOND, FIRESTICK, FORCE 12, GLOMEX, HUSTLER, HYGAIN, LARSEN, MFJ, MIRACLE WHIP,  
OUTBACKER, PRYME, VALOR/PRO-AM, VAN GORDEN, WORKMAN

**SPECIALTY PRODUCTS / PRODUITS SPECIALISES**  
AMERITRON, ASTRON, BENCHER, DAIWA, D.C.I., GARMIN, GEOCRON, HEIL, KANTRONICS,  
KIWA ELECTRONICS, L.D.G., MAGELLAN, MAHA, MFJ, MIRAGE, NYE VIKING,  
OPTOELECTRONICS, PALOMAR ENGINEERS, PALSTAR, PREMIER, RF CONCEPTS, R.F. SYSTEMS,  
RIGBLASTER, S.G.C., TIMEWAVE, UNADILLA, UNIVERSAL, VECTRONICS, VIBROPLEX,  
WEST MOUNTAIN RADIO

**PUBLICATIONS / PUBLICATIONS**  
AMERICAN RADIO RELAY LEAGUE (ARRL), ARROWHEAD, ARTSCI, BAYLIN PUBLICATIONS,  
BILLBOARD (WRTH), CQ, CRB, HIGHTEXT, IBS (PASSPORT), KLINGENFUSS, LOOMPANICS,  
NATIONAL RADIO CLUB, RADIO SOCIETY OF GREAT BRITAIN, RADIO AMATEUR CALLBOOK,  
RADIO AMATEURS OF CANADA, RADIO AMATEURS DU QUEBEC, SCHIFFER BOOKS, SONORAN,  
TAB, TIARE, UNIVERSAL RADIO