

# marcOgram



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

A MARC Monthly Newsletter

Volume 51, Number 5 February 2006

## *Meeting - Wednesday 22 February 2006*

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)

## February MARC meeting

Don Dashney, VE3RM will be giving a talk on HF operating

## It's Hamfest time again

See page 5 for locations and dates

"SUITSAT-1" DESIGNATED AO-54,  
SPONSORS CALL IT "TREMENDOUSLY SUCCESSFUL"

<http://www.amsat.org/amsat-new/index.php>



### *Antenna Farm on the Pride of Aloha*

## A Word from The President

Hello,

Well, we're getting to that time of year - when it is fabled to be the time to make emergency adjustments to the antenna system which render it in the finest operating condition possible. Seriously winter has been kind to us thus far and let us hope Mother Nature continues to look upon us favourably.

March 19th. is the annual St. Patrick's parade and we are again providing assistance. Communications is becoming more important to the parade and I therefore urge you to consider participating. All you need is an HT, spare batteries and warm cloths. Some personnel will be walking the parade route while others will have stationery positions and some others may have special assignments - this has yet to be finalized. It is a great event and all of "the right people" get to see us in action.

This month Don Dashney, VE3RM will be giving a talk on HF operating and he would like to answer your questions. Frequently we have ques-

tions so nows the time to learn more about operations on HF.

At the AGM we discussed the fact that our biggest expense is the printing and mailing of the MarcOgram. Just after the AGM we learned of an increase in the rental for the room at St. Ignatius. This is leading the directors to talk more seriously about the idea, which we said we would investigate, of a separate fee for receiving the printed MarcOgram. While we haven't discussed an amount please let one of the directors know if you have any thoughts on this subject and give consideration to receiving the MarcOgram by e-mail.

The club offers a QSL service in which we receive the cards incoming for our members and then you can collect them at the meeting. Vernon usually lets you know when he has cards for you. If you know members who have not renewed or who might benefit from this service let them know.

Also remember that the hamfest is coming up in April so if you want to dispose of any surplus equipment or parts or know someone who does please contact me to reserve tables.

See you at the meeting and I hope you have some good contacts this month.

73 de Jim.

## January Meeting



John VE2EQL giving his very informative presentation on surface mounting kit building at the January MARC meeting.

At this meeting. Alex Vegh VE2VH showed a dual band portable J-pole antenna that could fit into your pocket. The web link that shows the antenna if someone wants to build it is:

[www2.arrl.org/tis/info/pdf/0302038.pdf](http://www2.arrl.org/tis/info/pdf/0302038.pdf)

## DIRECTORS

- President:** James R. Hay, VE2VE  
514-697-7205  
[jrhay@HayA.qc.ca](mailto:jrhay@HayA.qc.ca)
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613-675-4715
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[jgrow@sympatico.ca](mailto:jgrow@sympatico.ca)
- Ron Campbell, VA2RJC  
[va2rjc@rac.ca](mailto:va2rjc@rac.ca)
- Club Call Sign:** VE2ARC
- Club Website:** <http://www.marc.qc.ca>

## Repeaters

VE2BG 147.06 MHz (+)

Owned and operated by Montreal Amateur radio Club. Located on the Point Claire water tower.

VE2RED 147.27 MHz (+)

Owned and operated by the Montreal Amateur radio Club.

VE2RJS 449.975 MHz (-)

Owned by the Montreal Amateur Radio Club and operated by the Cote St. Luc Amateur radio Association.

## 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 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.

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

Ron Campbell, VA2RJC [va2rjc@rac.ca](mailto:va2rjc@rac.ca)

Tel: 514-767-2804 Cell: 514-825-8954

## 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. Membership received on or after June 1 commences immediately and extends 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.

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.

James R. Hay, President



## SuitSat-1

## From the Editor's Desk

So it's March already!!!!



As you can tell from the above, your editor is pretty much in a sleep mode, that's because his wife dragged him off to some exotic island in the middle of the Pacific ocean called Hawaii. We first took a 7-day cruise around the islands and stopped at Kauai, Hilo Big Island and Maui. The most fascinating part of our trip was walking through and around the erupting volcano

While onboard the ship, I did attempt to tour some of the more technical facilities (particularly the communications and navigation) however, I was informed that due to security regulations, no unauthorized persons (that includes all passengers) were permitted to enter these areas. The best I could do was to take some photographs of the open view variety of antennas (see top of page 2).

In another column of this newsletter there is coverage of an introduction of amateur radio to some cub scouts. Yours truly was there to shoot some footage for the on-going DVCAM-HAM video. Well, that famous "Murphy's Law" intervened. Lights were set, sound was set and I was ready for the first "action shot." You guessed it, have camera - but it no work. I took battery out - battery in, tape out - tape in, gave it the usual gentle shake. It still no work. Lucky for me, my YL with a still camera started shooting, but me desperate Ron, rolling on the floor with silent curses (all those good cubs around), I began to pack all



away. OK one last attempt, and wow, it all worked. I made a silent prayer and just began shooting. In attempt to identify the problem I called Sony (the camera manufacturer) but no help. I then tried 2 other manufacturers with same results. My last attempt was to a director/instructor, He came up straight away with a possible answer --- condensation. He said when they go from a cool temperature (such as an air conditioned hotel) into a hot humid environment, he usually wraps his cameras in airtight bags and gives them time to adjust to the new environment. He suggest that it would be the same here in the cold. So beware of any equipment with mechanical devices, and CONDENSATION. That's it for now, your Ed....  
rjcam the video-ham.  
VA2RJC

## Club Activities - Monthly Meetings

Club meetings are held on the last Wednesday of the month. The meetings will be held in the Lounge which is the rearmost door on the South side of the 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 flea-market and ragchew session starts at 19:30 with the formal meeting starting at 20:00. STM buses 51, 162, and 105 stop nearby.

### 29 March 2006

A preview of the DVDCAM-HAM will be given by Ron (VA2RJC). This session will provide some details regarding the pre-production planning, the production stage (taking of video footage) and the post-production stage (editing, titling and sound). A selection of the footage taken will be shown.

26 April 2006

TBA

31 May 2006

Annual Show and Tell Meeting

## Radio Classes - Winter 2006

We started the Winter 2006 classes on January 21 with eleven students, most of whom are boaters via the Canadian Power and Sail Squadron. Many thanks to Steven Faguy, VA2SMF of the Concordia University ARC for getting us a room and to Sheldon Harvey, VE2SHW of Radio HF for getting us the books for the course.

Please welcome Michael Andronov, Fred Boulos, Michael Kusalic, Suzanne Lafontaine, Johan Langmyr, Jim Laverdiere, Ming Lu, Norm Ness, Ranganath Udura, Claude Vadnais and Antoine Zabal who are taking the course this year.

## Other Activities

Other club activities that are in the planning stage. The amateur radio fleamarket to be held on 22 April 2006. Now is the time to book your table.

## St. Patrick's Day Parade - March 19, 2006.

This is to announce that the St. Patrick's Day Parade is on Sunday, March 19, 2006 and that we are looking for volunteers for this event. The briefing is at approximately 10h00 or so at the control centre, the exact time and location to be determined in the near future. This is a portable event so handi-talkies and spare batteries are a must.

This event goes on rain, snow, cold or sunshine, so plan on bringing proper attire along too.

Please contact me if you are interested in participating in this event. I can be contacted at the club address at: [ve2arc@rac.ca](mailto:ve2arc@rac.ca) if you want more information or want to volunteer.

James R. Hay, VE2VE - President,  
Montreal Amateur Radio Club

## St. Lazare Cyclo-Tour - Sunday, May 28, 2006.

This is to announce that the St. Lazare Cyclo-Tour will be on Sunday, May 28, 2006 starting at the usual location of Bedard Park in the Town of St. Lazare. This communications event will start around 10h00 so you need to be there about 08h30 A.M. for the briefing. We will be using the M.A.R.C. portable repeater on 147.015 (+) and 146.460 simplex, so have your radios pre-programmed for this event. This event is mostly done roadside, so most stations/checkpoints can be operated from one's car.

This event goes rain or shine, so plan on bringing wet weather gear along too. Please contact Ken Magee, VE2EXC if you are interested in participating in this event. Ken can be contacted at [ve2exc@rac.ca](mailto:ve2exc@rac.ca) if you want more information or want to volunteer.

## 2006 Hamfests

**Montreal Amateur Radio Club 2006 Fleamarkets/Hamfests page** 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>

Saturday - February 25

**Burlington Spring Fleamarket - Burlington, Ontario** Location: Royal Canadian Legion - 828 Legion Road, Burlington, Ontario. Vendors 07:00, Public 09:00. Admission

\$6.00 Tables \$10.00 Talk-in VE3RSB  
147.210 (+) PL 131.8 Hz Information: Chuck  
Wilson, VE3IUO at 905-667-8534. Reservations  
and cheques to Norm at 2129 Lara-  
bee Court, Burlington, Ontario, L7P 3S3

E-Mail: [barc@cogeco.ca](mailto:barc@cogeco.ca) Web page:  
<http://www.barc.ca>

Saturday, February 25

Northern Vermont Winter Hamfest - ARRL  
Vermont State Convention Milton Hamfest -  
Milton, Vermont Location: Milton High  
School, Route 7, Milton, Vermont. Time:  
08:00 until 13:00. Vendors: Early Vendors  
Entrance (via rear door) 06:30 - Call or  
write for more information. Admission:  
5.00\$. Under 18 years, free. Canadian  
money accepted at par from Canadian  
residents, exact change only. Cash only, no  
checks. Talk-in: 145.150 (-) WB1GQR. Pre-  
recorded hamfest information and an-  
nouncements on 146.67 MHz on the day of  
the hamfest. Information: Phone: (802)-879-  
6589, before hamfest day or via E-mail at:  
[w1sj@arrl.net](mailto:w1sj@arrl.net) Web page:  
<http://www.ranv.org/milton.html>

Saturday, March 4 UMS Annual Fleamarket  
- Montréal, Quebec Location: Centre Rous-  
sin, 12125 Notre Dame Est (East), Montréal,  
QC Time: Vendors 07:00 am - Public 09:00  
Admission: 5.00\$ Tables 10.00\$ Talk-in  
VE2RXW 146.700 (-). Reservations: 514-  
521-7765 or via e-mail at:  
[hamfest@ve2ums.ca](mailto:hamfest@ve2ums.ca) E-mail:  
[hamfest@ve2ums.ca](mailto:hamfest@ve2ums.ca) Web page:  
<http://www.ve2ums.ca>

Saturday, March 25

HAMEX 2006 - Brampton, Ontario. Loca-  
tion: Brampton Fall Fairgrounds, Heart  
Lake Road corner of Old School Road,  
Brampton, Ontario. Time: Vendors at - Pub-  
lic at 09:00 to 13:00 - Seminars 1300-1800.  
Talk-in VE3PRC 146.880 (-) PL 103.5 Hz  
Admission: 6.00\$ - Tables TBA. Informa-  
tion: [ve3xr@rac.ca](mailto:ve3xr@rac.ca) or 905-453-6096 Web  
page:<http://www.ham-ex.ca>

Saturday, April 1

Hamfest Laval-Laurentides 2006 - Laval,  
Québec. Location: Polyvalente Georges  
Vanier, 3995 boul. Lévesque Est., Saint  
Vincent de Paul (Laval), QC. Vendors: 07:00  
Public 09:00 Admission: 5.00\$ per person.  
Tables: 10.00\$ Talk-in: VE2REL 147.315  
Mhz (+). Information and reservations:  
(514)-708-8033 or via e-mail at  
[hamfest@ve2crl.qc.ca](mailto:hamfest@ve2crl.qc.ca). Web page:  
<http://www.ve2crl.qc.ca/hamfest.htm>

Saturday, April 1

Iroquois A.R.C. 11th Annual Flea Market -  
Iroquois, Ontario. Location: Iroquois Civic  
Centre. Vendors: 08:00 Public: 09:00 -  
12:00. Free Admission / Tables 10.00\$. Talk-

in VE3IRO 145.290 (-). Table reservations/  
Information: Gordon Knights, VE3UGW.  
(613)-657-3640 or E-mail  
[ve3ugw@ripnet.com](mailto:ve3ugw@ripnet.com) Web Site:  
<http://www.iarc.dyndns.org:8080/>

Saturday, April 22

Montreal Hamfest and Fleamarket LaSalle  
(Montreal), Québec. Location: Royal Cana-  
dian Legion Branch 212 (LaSalle), 7771  
Bouvier, corner of Shevchenko. STM Bus  
109 at the door. Vendors 08:00 Public 09:00  
to 12:00. Admission - 4.00\$ Talk-in VE2RED  
147.270 (+) - Information: James R. Hay,  
VE2VE - (514)-697-7205 E-mail:  
[ve2arc@rac.ca](mailto:ve2arc@rac.ca). Web page:  
<http://www.marc.qc.ca/fest/fest.html>

Saturday, April 22

Durham Region Hamfest - Whitby, Ontario  
Location: Iroquois Park Arena - Victoria  
Street corner of Henry Street. Vendors  
07:30 - Public 09:00 to 12:00 Admission  
6.00\$ Tables: 25.00\$/50.00\$ - Hydro \$5.00  
extra. Talk-in: 147.375 (+) VE3SPA  
Information/Reservations: Gary Heagle,  
VE3EPY at e-mail at:[ve3epy@rac.ca](mailto:ve3epy@rac.ca) Reser-  
vations by mail only. See web site for more  
information. Web Site:  
<http://drhamfest.tripod.com>

Sunday, April 30

Brandon Amateur Radio Club Mini-fest -  
Brandon, Manitoba. Location: Riverview  
Curling Club, 420 Maryland Avenue, Bran-  
don, MB. Vendors - 11! General Admis-  
sion 12:00 - Tables \$5.00 - General Admis-  
sion \$2.00. Talk-in: VE4CTY 146.640 (-) In-  
formation - Dave Snyder, VE4XN at 204-  
728-2463 or via e-mail at: [dsnydal@mts.net](mailto:dsnydal@mts.net)

Sunday, May 7

O.C.A.R.C. 2nd Annual Flea Market -  
Kelowna, British Columbia. Location: Elli-  
son Heritage School Community Centre,  
4411 Old Vernon Road, (East of the  
Kelowna Airport), Kelowna, B.C. Vendors  
08:00, Public 09:00 Admission 2.00\$ Tables  
10.00. Talk-in: 146.680 (-) Information: Keith  
Manhard, VE7KNG, 250-766-2179 or Carl  
Bertholm, VE7CLC 250-769-4184 E-mail:  
[ve7kng@rac.ca](mailto:ve7kng@rac.ca) Web page:  
<http://www.ocarc.ca/hamsale>

Saturday, May 13

22nd Annual Smiths Falls Amateur Radio  
Fleamarket - Smiths Falls, Ontario Loca-  
tion: Smiths Falls Youth Arena (behind 150  
Elmsly Street North, Corner of Cornelia  
Street (County Road 43) and Elmsley  
Street) Smiths Falls, ON. Vendors 07:00  
Public 09:00 to noon Tables 10.00\$ General  
Admission 3.00\$. Talk-in: VE3RLR 147.210  
(+) Table reservations/Information via The  
Rideau Lakes Amateur Radio Club Inc., c/o  
John Aikman VA3JHA, Secretary, RR 1,  
Portland, ON, K0G 1V0 E-mail:

[irmajohn@perth.igs.net](mailto:irmajohn@perth.igs.net). Web page:  
<http://www.falls.igs.net/~rlarc>

Saturday, May 13

Down East Fleamarket - Halifax, Nova Sco-  
tia Location: Halifax Forum Complex at the  
corner of Young and Windsor Streets.  
Time: Vendors at 06:30 and General Public  
at 09:00 - Tables: T.B.A. Vendors must re-  
serve tables in advance - General Public:  
T.B.A. Talk-in: VE1PSR 147.270 (+) E-mail:  
Web Page:  
[http://www.halifax-arc.org/harcweb/Events/  
Fleamarket.html](http://www.halifax-arc.org/harcweb/Events/Fleamarket.html)

Saturday, May 27

Amherstburg Radio Club 2005 Fleamarket -  
Amherstburg, Ontario. Location: Kinsmen  
Scout Hall on the corner of Victoria and  
Simcoe Streets. Vendors 07:30 and the  
Public 09:00. Tables 5.00\$ General admis-  
sion Free. Talk-in: 145.290 (-) VE3EXT and  
146.520 simplex Information and Reserva-  
tions: Carey Collard, VE3CFQ at 519-736-  
7694 e-mail [ve3cfq@hotmail.com](mailto:ve3cfq@hotmail.com)

Saturday, June 10

Central Ontario Fleamarket and Hamfest. -  
Fergus, Ontario. Location: Fergus & Dis-  
trict Community Centre, 10 km north of  
Guelph off Highway 6. See  
[www.hamfest.on.ca](http://www.hamfest.on.ca) for a map. Vendors at  
06:00, Tailgaters at 07:00 and the Public at  
08:00 to 12:30. Admission \$6.00 -- Vendors  
- \$12.00 plus admission -- Tailgaters \$7.00  
plus admission. Talk-in: 145.210 (-)  
VE3ZMG, switch to 146.520 simplex in the  
Fergus.. E-mail: [info@hamfest.on.ca](mailto:info@hamfest.on.ca) Web  
page: <http://www.hamfest.on.ca>

Saturday, July 8

Ontario Hamfest 2006 - Milton Ontario. Lo-  
cation: Milton Agricultural Fairgrounds,  
Milton ON. Times Inside Vendors: 07h00 -  
Robert Street Gate only. Tailgaters:08h00 -  
Robert Street gate only - General Admis-  
sion: 09h00 - Thomas St gate only. General  
Admission - 6.00\$ Inside Vendors - 10.00\$  
per table plus

6.00\$ per person Tailgaters - 5.00\$ tailgate  
permit (per space) + 6.00\$ per person. Talk-  
in: 146.520 Simplex. E-mail: Registration:  
[ve3czi@rac.ca](mailto:ve3czi@rac.ca) or Norm Freidin at (905)-  
335-8962 - Information:Chuck Wilson,  
VE3IUO E-mail: [ve3iuo@rac.ca](mailto:ve3iuo@rac.ca) phone (905)  
667-8534 Web Page:  
<http://home.cogeco.ca/~barc>

Saturday, September 2

Ottawa Amateur Radio Club 10th Annual  
Hamfest. - Carp, Ontario. Location: Carp  
Agricultural Fair Grounds, 3970 Carp Rd (at  
Falldown Lane), Carp, ON. Vendors - 08:00  
Tailgaters - 08:00 General Public - 10:00 to  
13:00. Forum T.B.A. - 13:00 General Admis-  
sion 5.00\$ Tables 10.00\$ plus admission  
Tailgaters 5.00\$ plus admission. Talk-in:

VE2CRA 146.940 (-) Greg Danylchenko,  
 VE3Y TZ at (613) 236-9291 (H) E-mail:  
[fleamarket@oarc.net](mailto:fleamarket@oarc.net) Web Page:  
<http://oarc.net/fleamarket>

Saturday, September 16

West Island Auction - Dollard des Ormeaux  
 (Montreal), Quebec, Location: Karnak Shiner  
 Hall, 3350 Boulevard des Sources, Dol-  
 lard des Ormeaux, QC. Vendors - T.B.A -  
 General Public T.B.A. - Auction General  
 admission T.B.A. - Tables T.B.A. Talk-in:  
 VE2RWI 146.910 (-). Information: e-mail to  
[ve2cwi@rac.ca](mailto:ve2cwi@rac.ca) Web page:  
<http://shell.pubnix.net/~wiarc>

### Submissions for entry into marcOgram

For submissions of text only it is preferable  
 that you send as a ".txt" file, however, MS  
 Word is acceptable.

For pictures please use "jpg" format with  
 maximum size 400 x 240. Where possible  
 use at least 240 dpi.

For clip art if possible use "gif".  
 Maximum size 480 x 340 pix. This will give  
 a picture size of approximately 8 Kb.

Contact me at:

[va2rjc@rac.ca](mailto:va2rjc@rac.ca) [va2rjc@marc.ca](mailto:va2rjc@marc.ca)

Home Tel: 514-767-2804

Snail mail: Ron Campbell, 201 Du Club  
 Marin, Apt. 209, Verdun, QC. H3E 1T4

This very generous offer by Guy will now  
 be considered by the board of directors  
 and a decision will be forthcoming.

For Guy, just hang tight I'm sure this  
 body of learned gentlehams will come to  
 a decision in the near future.

### Scout Presentation

As previously reported, John Grow  
 VE2EQL with support from Suzanne  
 Thauvette VE2SZN gave a presentation  
 of Amateur Radio to the Greenfield Park  
 Scout troop. The presentation, showed the  
 basics of communications, and what  
 Amateur radio is all about. These were a  
 real keen bunch of youngsters and  
 showed enthusiasm throughout the eve-  
 ning.



John, will be repeating this demonstration  
 with a elder group of scouts sometime in  
 March. Ron VA2RJC will be there again  
 with his camera etc.

John Grow, VE2EQL will be a guest  
 speaker at the North Vermont Hamfest.  
 He'll be hosting a forum on High Per-  
 formance wire Antennas for HF and  
 VHF/UHF communications.

### SMALL ADS

**FOR SALE:** A HYGAIN ANTENNA  
 "JUNIOR 10-15-20" IS AVAILABLE FROM  
 MAB. THE ANTENNA WOULD REQUIRE  
 SOME WORK TO BRING IT BACK TO  
 STANDARD. IF INTERESTED PLEASE  
 CONTACT EARL PARIS, VE2ESP, HOME  
 514-524-4633, WORK, 514-489-8201  
 LOCAL 1015.

**For Sale** – Used Ameritron AL 80B Linear  
 Amplifier – 1 KW output. Used very little.  
 Too big to store. Worked fine when I discon-  
 nected it from Grandfathers station ~ 2 years  
 ago. \$1000 obo. Serious inquiries only.  
[belyea\\_david@yahoo.ca](mailto:belyea_david@yahoo.ca) or 514-624-3904

### Fun Corner

### IN CASE OF EMER- GENCY

- Montreal 911 Centre**  
 .....514-280-2121
- Laval 911 Centre**  
 .....450-662-4240
- Longueuil 911 Centre**  
 .....450-646-8570
- Surete du Quebec 911 Centre**  
 .....310-4141
- Kahnawake Peace keepers**  
 .....450-632-6505

### MARC Community Web Site

In the January marcOgram, we ran an  
 article refering to an offer from Guy Fos-  
 ter, VE2HVZ to set-up and run a commu-  
 nity web site on behalf of MARC. There  
 was some discussion at the January  
 MARC meeting but no firm action was  
 taken.

**ATTENTION!**

**electronic hobbyists, computer builders, parts collectors,  
ham operators, citizen banders, shortwave listeners,  
scanner listeners, tinkerers, builders, inventors, & others...**

Make **SURE** you attend the  
**NORTHERN VERMONT**

**WINTER HAMFEST**  
**MILTON, VERMONT**

**SATURDAY, FEBRUARY 25, 2005**

**Vermont's BEST Radio and Electronics Show!**

**FLEA MARKET**

Vintage radios, electronic & computer parts, connectors, tubes and more!  
Bring stuff to sell – tables **FREE** while they last!

**FORUMS**

High Performance Antennas, QRP, Power Line Interference, ARRL,  
RFI and Consumer Devices, Radios in High Altitude Balloons,  
Computers in the Shack and Introduction to Amateur Radio.  
Demonstration of IRLP, PSK-31 and K1D Event Station.

**PEOPLE**

Meet hams, SWL's, scanner buffs, collectors, hobbyists – all under one roof!

**24YEARS OF GREAT HAMFESTING FUN!**  
**“still the best little hamfest in the world”**

**Milton High School – 8AM until 1PM**

**ADMISSION \$5 UNDER 18 FREE**

**TALK-IN:**

WB1GQR 145.15-  
W1NVT 146.67

**DIRECTIONS:**

MILTON HIGH SCHOOL, ROUTE 7  
I-89 Exit 17, Route 7 NORTH 4 Miles  
I-89 Exit 18, Route 7 SOUTH 5 Miles

**FOR MORE INFO:**

Mitch: (802) 879-6589  
w1sj@arrl.net  
<http://www.ranv.org>



**RADIO HF**

TELEPHONE & FAX: 450-671-3773

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

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

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

Sheldon Harvey, Prop.  
VE2SHW

web:  
[www.radiohf.ca](http://www.radiohf.ca)

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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, COBRA, GALAXY, K40, MACO, MAGNUM, 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, MOTOROLA

**ANTENNAS / ANTENNES**  
ALPHA DELTA, ANTENNA SUPERMARKET, ARROW, ATOC, BUTTERNUT, COMET,  
CREATE, CUSHCRAFT, DIAMOND, FIRESTICK, FORCE 12, HUSTLER, HYGAIN,  
LARSEN, MFJ, MIRACLE ANTENNA, OUTBACKER, PRYME, SCANMASTER,  
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), 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