

marcOgram

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



Volume 49, Number 4

January 2004

“DANIEL LAMOUREUX, VE2KA, THE NEW PRESIDENT OF RAC”

Wednesday 28 January 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

Daniel Lamoureux, VE2KA, who is the new RAC president will be leading a discussion about the cw requirement and, no doubt, will talk about other issues and challenges facing amateur radio as well as Radio Amateurs of Canada. This is an evening that should not be missed. Come on out and the share the experience of what should be a very interesting and informative meeting.

A WORD FROM THE PRESIDENT

Hello,

As I write this I have to admit to mixed feelings.

As I look back on last year it ended on a sad note with the passing of Shirley Watson, VE2SLO, and Alan Peterson, VE2KWE. Shirley attended meetings regularly with her husband Bob, VE2WRE, and was always optimistic and curious about things and encouraging when the club ventured into something new. She enjoyed several years of remission but last fall the cancer returned. Only a week after attending Shirley's funeral I attended that

for Allen Peterson. Many of you will remember Allen as being very helpful when we held our Field Day in Kahnawake. Allen also lent a helping hand to local amateurs needing assistance in repairing their equipment.

Both Allen and Shirley will be missed and our sympathies go to both of their families and their many friends.

Looking forward the new year brings with it an interesting and valuable opportunity for the club. In November I mentioned the possibility and this past week the club received a request from the United Irish Societies for communications assistance at the St. Patrick's Day Parade. This will be the

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, VE2YGK 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.

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: James R. Hay, VE2VE.....514-697-7205
 jrhay@HayA.qc.ca
 Vice President: Sheldon Werner, VA2SH va2sh@rac.ca
 Secretary: vacant
 Treasurer: Vernon Ikeda, VE2MBS.....514-684-7944
 ve2mbs@rac.ca
 Directors: Don Dashney, VE3RM/VE2SH.....613-675-4715
 dash@hawk.igs.net
 Paul MacDougall, VA2YQ redmaple@ca.inter.net
 Earl Paris, VE2ESP.....514-524-4633
 David Mallette, VE2ARY ve2ary@hotmail.com
 Raymond Faguy, VE2SJA ve2sja@rac.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 (+)
 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

Tentative Schedule

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.

28 January 2004 - Daniel Lamoureux, VE2KA, the New President of RAC
 25 February 2004 - TBA
 31 March 2004- TBA
 28 April 2004 - TBA
 26 May 2004 - Show and Tell

Radio Classes

Each year the MARC holds a basic radio course. The 2004 course has just started with another group of keen students. Jim Hay or Vern Ikeda will supply progress reports as the class moves forward.

MARC Hamfest

Planning is now underway for next spring's hamfest. The date is set for Saturday, the 17th of April, 2004. 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 Centre450-662-4240
 Longueuil 911 Centre450-646-8570
 Sûreté du Québec 310-4141
 Kahnawake Peace Keepers 450-632-6505

These numbers are for emergencies ONLY

180th parade and we are being asked to provide operators to assist along the parade route. We will assist with ensuring that the parade route is clear for the parade to pass and that problems and information are communicated to the parade organizers. Our role will be similar to the assistance which we provide at the equestrian events each year.

The St. Patrick's Day Parade is a major event in Montreal and will give amateur radio an exposure which can only help us. We likely will be provided with commercial radios but a two metre backup network will also be used. We have a chance to show off Amateur Radio and I hope that as many of you as possible will come to assist on March 14.

This month's meeting promises to be interesting. Daniel Lamoureux, VE2KA, the new president of RAC will join us to discuss the future of the cw requirement in Canada and I am sure that he will have some other things to discuss as well. This will prove to be an interesting and fruitful meeting and I look forward to seeing you all on the 28th.

73 de Jim, VE2VE

- . . . -

FROM THE EDITOR'S DESK

Welcome back after the holiday break. I hope you all had enjoyable holidays. With an old fashioned cold snap I am sure we all look forward the the upcoming hamfest season which is one of the signs spring is on the way. Until that time comes we still have the challenge of enjoying the rest of the winter.

The 2004 basic course has just started. Please make sure we all give the students a warm welcome to the world of amateur radio. Thanks to the students for taking time to invest in learning about, and working toward their license.

73 de Craig, VE2YGK

- . . . -

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.

January 2004

CQ 160-Meter Contest CW	0000Z Jan 24 - 2359Z Jan 25
ARRL January VHF Sweepstakes	1900Z Jan 24 - 0400Z Jan 26

February 2004

North American Sprint CW	0000Z - 0400Z Feb 1
Vermont QSO Party	0000Z Feb 7 - 2400Z Feb 8
New Hampshire QSO Party	0000Z Feb 7 - 2400Z Feb 8
10-10 Inter. Winter Contest SSB	0001Z Feb 7 - 2400Z Feb 8
North American Sprint Phone	0000Z - 0400Z Feb 8
FYBO Winter QRP Field Day	1600Z - 2400Z Feb 8
ARRL School Club Roundup	1300Z Feb 9 - 0100Z Feb 14
CQ WW RTTY WPX Contest	0000Z Feb 14 - 2400Z Feb 15
YL-OM Contest CW	1400Z Feb 14 - 0200Z Feb 16
FISTS Winter Sprint	1700Z - 2100Z Feb 14
RSGB 1.8 MHz Contest CW	2100Z Feb 14 - 0100Z Feb 15
ARRL Inter. DX Contest CW	0000Z Feb 21 - 2400Z Feb 22
CQ 160-Meter Contest SSB	0000Z Feb 28 - 2359Z Feb 29
North American QSO Party RTTY	1800Z Feb 28 - 0600Z Feb 29
High Speed Club CW Contest	0900Z - 1100Z Feb 29 and 1500Z - 1700Z Feb 29
North Carolina QSO Party	1700Z Feb 29 - 0300Z Mar 1

- . . . -

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 Season

February 7

St. Catharine's ON

On Saturday, February 7 the Niagara Peninsula Amateur Radio Club Big Event 26 - St. Catharine's, Ontario at the Canadian Auto Workers Hall, 125 Bunting Road, St. Catharine's, ON. Vendors 07h00 - Public 09h00 to 13h00 Admission \$6.00, Tables \$20.00 (includes 1 admission)

Talk-in: VE3NRS 147.240 (+)

For tables please call Dave Wilson at 905-262-5588/ve3bbn@rac.ca and for all other information call Ron Counsell at 905-688-8137/ve3ndi@rac.ca

[Web Page: http://www.qsl.net/ve3vm](http://www.qsl.net/ve3vm)

Talk-in VE3PRC 146.880 (-)
Admission: T.B.A. - Tables T.B.A.
Information: ham-ex@sympatico.ca

February 28

Milton VT

On February 28, the Northern Vermont Winter Hamfest and ARRL Vermont State Convention (**Milton Hamfest**) at the Milton High School, Route 7, Milton, Vermont from 08h00 until 13h00.

Vendors: Early Vendors Entrance (via rear door) 06h30 - Regular Vendor Entrance (via main door) 08h00 - 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 announcements on 146.67 MHz on the day of the hamfest.

Information: Phone: (802)-879-6589, before hamfest day or via email at: w1sj@arrl.net

<http://www.ranv.org/milton.html>

February 28

Burlington, ON

On February 28 the Burlington Spring Fleamarket at the Royal Canadian Legion, 828 Legion Road, Burlington, Ontario. Vendors 07h00, Public 09h00 - 12h00. Admission \$6.00 Tables \$10.00

Talk-in VE3RSB 147.210 (+)

Information and Table reservations: Ken Robinson, VE3WN at 905-637-0772. Mail reservations and cheques to Ken Robinson at 1389 Olga Drive, Burlington, Ontario L7S 1L1, e-mail: va3wn@rac.ca

<http://www.barc.ca>

March 06

Montreal (PAT) QC

The UMS Hamfest, Saturday March 6 at the Centre Roussin, 12125 Notre Dame East, Montreal. Opens at 09h00 for the public, admission \$5.00.

Talk-in 146.700-

Information and reservations 514-521-7765 or by email to hamfest@ve2ums.ca

http://www.ve2ums.ca/agenda/pub2004_pdf.pdf

March 20

Brampton ON

On Saturday, March 20, HAMEX 2004 at the Brampton Fall Fairgrounds, Heart Lake Road corner of Old School Road, Brampton, Ontario.

Talk-in VE3PRC 146.880 (-)

Admission: T.B.A. - Tables T.B.A.

Information: ham-ex@sympatico.ca

<http://www.peelarc.org>

April 10

Iroquois ON

On Saturday, April 10, the Iroquois A.R.C. 9th Annual Flea Market, at the Iroquois Civic Centre, Iroquois, Ontario

Vendors: 08h00 Public: 09h00 - 12h00

Talk-in VE3IRO 145.290 (-)

Table reservations/Information: Gordon Knights, VE3UGW (613)-657-3640 or e-mail ve3ugw@ripnet.com

<http://web.ripnet.com/~ve3ugw>

April 17

LaSalle (Montreal) QC

On Saturday, April 17, the **Montreal Hamfest and Fleamarket** in LaSalle (Montreal), Québec at the Royal Canadian Legion Branch 212 (LaSalle), 7771 Bouvier, corner of Shevchenko. STM Bus 109 at the door.

Vendors 07h30 Public 08h30 to 12h00. Admission - 4.00\$

Talk-in VE2RED 147.270 (+)

Information: James R. Hay, VE2VE -

(514)-697-7205

E-mail: ve2arc@rac.ca

[Web page: http://www.marc.qc.ca/fest/fest.html](http://www.marc.qc.ca/fest/fest.html)

April 17

Oshawa ON

On Saturday, April 17, the Whitby Hamfest, at the Jubilee Pavillion, 55 Lake View Park, Oshawa, ON

Vendors 07h00 Public 09h00 to 13h00. Admission - \$5.00 Tables \$10.00

Talk-in - VE3WOM 147.150 (+)

Information: Betty Huidar, 87 Thicksen Road, North Whitby, ON LIN 3P7 or Phone 905-579-1800

e-mail: ve3blh@rac.ca

<http://w.a.r.c.tripod.com>

May 8 Smiths Falls Amateur Radio Fleamarket - **Smiths Falls ON**

[Web page: http://www.falls.igs.net/~rlarc](http://www.falls.igs.net/~rlarc)

May 08

Skyward Annual Spring Hamfest And

Fleamarket Etobicoke(Toronto), Ontario

[Web page http://webhome.idirect.com/~jproc/sarc](http://webhome.idirect.com/~jproc/sarc)

May 30 Amherstburg Radio Club 2nd Annual Fleamarket - recommends that:
Amherstburg, Ontario

- Amateur repeaters in this portion of the band be grandfathered to continue operation for a number of years, with the number to be decided by Industry Canada.

June 12 Central Ontario Fleamarket -Hamfest **Fergus ON**
[Web page: http://www.hamfest.on.ca](http://www.hamfest.on.ca)

- A section of 150 kHz of spectrum in the 220-222 MHz band be designated as public service spectrum to be shared by amateur and mobile services for special public safety and disaster communications applications.

Sept 04 OARC 6th Annual Hamfest **Carp ON**
[Web Page: http://oarc.net/fleamarket](http://oarc.net/fleamarket)

- The band 219-220 MHz is allocated on a secondary basis to the Amateur service in Canada, which would be in harmony with a similar allocation in the USA.

- The band from 222-225 MHz remains as a primary exclusive amateur allocation.

73 de Vernon Erle Ikeda, VE2MBS
© 2004 - Vernon Erle Ikeda
- . . . -

Following consultation with Canadian amateurs in a survey conducted in July 2002 RAC, as a member of the RABC, has vigorously opposed these proposed changes without success.

Industry Canada must now take this advice, together with input from RAC, decide on a course of action, and in all likelihood conduct a public consultation before issuing a decision. The prospects do not look good.

RAC BULLETIN 03-031
RAC EXECUTIVE OFFICERS FOR
2004-2005

For the full story, visit the RAC web site at:

<http://www.rac.ca/news/canada.htm>

The RAC Board of Directors is pleased to announce the Executive Officers for the 2004-2005 term as follows:

Comments to: rachq@rac.ca

Daniel Lamoureux VE2KA, President
Robert Nash VE3KZ, First Vice President
James Dean VE3IQ, Vice President Regulatory Affairs
Pierre Mainville VA3PM, Vice President Field Services and International Affairs
Noel Marcil VE2BR, Secretary

- . . . -

OTTAWA COMPANY STUDYING USE OF BPL
(BROAD BAND OVER POWER LINE) FOR
HOMEOWNER CONNECTION TO THE INTERNET

CBC radio reported today that a Hydro Ottawa affiliate is hoping internet users will go online through their electrical outlets.

A Telecom Ottawa spokesperson was reported as saying that testing of the technology in Ottawa is still in the very preliminary stages, but the U.S. and Quebec have also been testing the system to see, " if it actually works and, if it's compatible with Canadian distribution systems" .

The company says they will work with Industry Canada to make sure the technology complies with all federal regulations. German utilities company RWE started offering internet service over power lines the summer of 2001, and Swedish company Sydkraft also offers the service. Canadian

RAC BULLETIN 03-034E
CANADIAN AMATEURS MAY LOSE PART OF THE
220 MHZ BAND

After studying the spectrum needs of various services over the past 18 months, the Radio Advisory Board of Canada (RABC) has decided to recommend to Industry Canada that the 220-222 MHz band be transferred from the amateur to the mobile service. The RABC also

**COMMUNITY SERVICE
ST PATRICK'S DAY PARADE**

tech company Nortel ran tests of the technology in Britain in the late 1990s and concluded that it would be far too expensive to adapt power grids to carry internet signals. Hydro-Québec plans to start testing the service this month, and hopes to offer the service in a few years.

Jim Carroll, author of "Surviving the Information Age" was quoted as saying that "broadband over power line" has its critics. Ham radio operators in the U.S. are complaining that the new technology will interfere with their signals.

The CBC did not mention the opposition from Canadian amateurs, nor the concerns of other users of the HF spectrum. Neither did he mention the studies that have been done in Europe to demonstrate the high level of interference caused by BPL systems there.

From the RAC webpage:

<http://www.rac.ca/news/canada.htm#Ottawa%20Company>

- . . . -

RADIO COURSE UPDATE

The January 2004 Basic Radio Course started on January 17 at the Loyola campus of Concordia University. The following are students in the course:

Bill Venieris
Graham Layton & Judy Carlson
Wendy Brett
Brian Carpenter
Bryan Cooke
Mark Gervais
Annie Golanowski
David Bassenden
Doug Yeudall

It looks like we have another good class in progress. Welcome to amateur radio and good luck in your studies.

- . . . -

We have received a request from the United Irish Societies for communications assistance at the 180th annual St. Patrick's Day Parade to be held Sunday March 14, 2004. We have been asked to provide as many operators as possible to assist along the parade route. We will be assisting the organizers to ensure that public leaves sufficient room for the parade to pass.

It is anticipated that commercial radios will be provided however two metre hand held radios will be used for back-up communications. Those familiar with the operations at equestrian events will be familiar with what we will be expected to do.

The parade goes regardless of the weather so please be prepared. We hope for good weather but nothing has stopped the parade yet and with 180 years of Irish determination I doubt anything will stop it now. Details will be finalized later but we should expect to meet at 7:30 AM and it is expected that after the parade a meal will be served for the volunteers.

This is an important event and it will serve to raise the profile of amateur radio so I hope to hear from as many of you as possible. Please contact me to volunteer or if you have any questions.

73 de Jim, VE2VE

- . . . -

**SCANNERS HEAR IT FIRST
BY FREDERICK HART, VE2LSQ**

Welcome back from the holidays hope all went well for you and yours....By the way "Happy New Year" and all the best for 2 0 0 4...I look forward to keeping you, the readership entertained by way of my scribblings about scanning the frequencies that interest us the most.

There was a lot of action over the holiday period so your ears were certainly getting their full...Unfortunately some of the incidents that happened in the Montreal area involved loss of life which is saddening to hear. SSIM (Montreal Fire Dept.) went out of 2003 and came into 2004 with fatal house fires. The end of December incident was in the territory of SSIM station 66 (this fire was just a dozen or so houses away from where I am hospitalized). A young man perished in a early morning blaze in a two story structure that was a total loss. An SSIM lieutenant fell from

an aerial-platform apparatus and suffered a broken hip during the opening moments. The January fatal fire was in the territory of SSIM, station 38. There, two elderly women perished in a residence they lived in.

Cold temperatures are also playing havoc for the fire services when they have to battle blazes in sub zero Celsius. It becomes a whole different ballgame of strategies. SSIM is in full swing with it's digital trunking system to which only those with the newer digital trunk-trackers are able to get the full earshot. They still rebroadcast the major announcements on 412.7625 but not near as entertaining as the action frequencies. For those on the web you can get a lot of info about what you hear on the scanner on these websites: www.incendie.com, www.firefighting.ca, www.coderouge.com These sites have stories and picture of most of what comes in on the scanner in the Montreal and surround areas so check them out.

That's it for this month we will be profiling the SSIM system codes,frequencies,talkgroups,etc next month

so flick through the pages next month and catch a glimpse

73's de Fred VE2LS and a Q

-. . . . -

CLASSIFIED

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

.

SILENT KEY -
SHIRLEY WATSON, VE2SLO

This is to let you know that Shirley Watson, VE2SLO passed away on December 8, 2003 at the Anna Laberge Hospital in Chateauguay. Shirley was the wife of Bob Watson (VE2WRE) and mother of Carol, Susan and Robert and as well her grandchildren Angela, Sarah, Laura, Kevin, Kelsey and Robert.

I first met Shirley Watson sometime in the early 1990's when I was the President of the Montreal Amateur Radio Club. She had come to the meeting with her husband, Bob, VE2WRE and as I recall from that meeting, she showed a great deal of interest in the particular subject that was the topic that evening and not too much later I had heard that she had passed the amateur exam and was heard frequently on the air from home or the car while travelling out on errands or to meetings.

I found out a little while later that Shirley was also involved with computers and Microcozm, the local computer club.

On behalf of the Directors and members of the Club, I would like to pass condolences to her husband Bob, her children, grandchildren and other family and friends.

73 de Vernon, VE2MBS
-. . . . -

SILENT KEY -
ALLEN PETERSON, VE2KWE

It is with profound sadness that I must announce the passing of Allen Peterson, VE2KWE, of a heart attack on December 15, 2003.

Allen got his amateur license in the early 1990s and was a frequent user of the local repeaters and when MARC held its Field Days at Kahnawake Allen was always helping by loaning equipment of various types and even providing breakfast for those who had been on the site overnight.

Allen enjoyed his friends, helping and entertaining he ran the Riverside Inn successfully for several years before selling the business to allow his family to spend more time together. He was a devoted husband and father and a good friend who will be missed.

On behalf of the Montreal Amateur Radio Club I extend our sincerest sympathy to Allen's wife Rose, his son Wally and his family and friends.

73 de Jim, VE2VE
-. . . . -



RADIO HF

Sheldon Harvey, Prop.

P.O. BOX 67063-LEMOYNE
ST. LAMBERT, QUEBEC J4R 2T8

TELEPHONE or/ou FAX: 450-671-3773
TOLL FREE / SANS FRAIS
1-800-463-3773

HEURES D'OUVERTURE/BUSINESS HOURS
LUNDI AU SAMEDI - 10h00 a 17h00
MONDAY TO SATURDAY - 10 AM to 5 PM

radiohf@sympatico.ca

<http://www3.sympatico.ca/radiohf>

SHORTWAVE & AM/FM RADIOS RADIOS ONDES COURTES & AM/FM

A.O.R., BAYGEN, DRAKE, GENERAL ELECTRIC, GRUNDIG, ICOM, KENWOOD,
LOWE, SANGEAN, SONY, SUN-MATE, YAESU

SCANNERS / BALAYEURS D'ONDES

A.O.R., ALINCO, ICOM, RELM, UNIDEN/BEARCAT, WELZ, WINRADIO,
YUPITERU

AMATEUR RADIO / RADIO-AMATEUR

A.D.I., ALINCO, CHEROKEE, ICOM, KENWOOD, MAHA-REXON, YAESU

CITIZENS BAND (CB) / BANDE PUBLIQUE (CB)

ASTATIC, CHEROKEE, COBRA, K40, MACO, MAXON, MIDLAND,
PARADYNAMICS, RANGER, ROAD NOISE, SHAKESPEARE, SOLARCON/ANTRON,
UNIDEN, VALOR, WILSON, WORKMAN

FAMILY RADIO SERVICE (FRS)

DISPOSITIFS RADIO DOMESTIQUES (DRD)

CHEROKEE, COBRA, ICOM, KENWOOD, MAXON, MIDLAND, MOTOROLA, UNIDEN

ANTENNAS / ANTENNES

ALPHA DELTA, ANTENNA SUPERMARKET, COMET, CREATE, CUSHCRAFT,
DIAMOND, HUSTLER, L.F. ENGINEERING, LARSEN, MFJ, OUTBACKER,
SCANMASTER, TELEX HYGAIN, VALOR/PRO-AM, VAN GORDEN, WORKMAN

SPECIALTY PRODUCTS / PRODUITS SPECIALISES

ADVANCED BATTERY SYSTEMS (PERIPHEX), AMERITRON, ASTRON, BENCHER,
DAIWA, D.C.I., HEIL, KANTRONICS, KIWA ELECTRONICS, MAHA, MFJ,
MIRAGE, NYE VIKING, OPTOELECTRONICS, PALOMAR ENGINEERS, PALSTAR,
PREMIER, RF CONCEPTS, R.F. SYSTEMS, RAMSEY KITS, S.G.C.,
TIMEWAVE, UNADILLA, UNIVERSAL, VECTRONICS, VIBROPLEX

PUBLICATIONS / PUBLICATIONS

A.R.R.L., ARROWHEAD, ARTSCI, BAYLIN PUBLICATIONS, BILLBOARD
(WRTH), CQ, CRB, ANDRE GUEVIN, HARUTEQ, HIGHTEXT, IBS (PASSPORT),
KLINGENFUSS, LOOMPANICS, NATIONAL RADIO CLUB, RSGB, RADIO AMATEUR
CALLBOOK, RADIO AMATEURS OF CANADA, RADIO AMATEURS DU QUEBEC,
SCHIFFER BOOKS, SONORAN, TAB, TIARE, UNIVERSAL RADIO