

# marcOgram

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



Volume 50, Number 3

November 2004

## **“KEN FRASER, VE2KLF ON MEMS TECHNOLOGY”**

Wednesday 24 November 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)

Ken Fraser, VE2KLF, will be discussing specific applications in MEMS technology (Micro Electro-Mechanical Systems). At McGill study in many facets of this micro/nano technology are underway in such areas as medicine, physics, photonics, RF electronics, etc. Some aspects include micro linear motors, accelerometers, positioners, micro-resonator systems and 77 GHz collision radar on a chip. Micro batteries are a recent research proposal out of the US. High integration and small are the way things are going. Come out and learn about this interesting technology coming our way.

### **A WORD FROM THE PRESIDENT**

Hi folks,

This month's meeting topic promises to be somewhat different and interesting - probably much more interesting than the annual climatic change outside. I hope that I will see many of you there and also at our holiday dinner which also promises to be an interesting affair. Please be sure to tell John Grow that you are coming and how many persons.

We offer our condolences to the families and friends of Sonny Wachman, Harry Eastman and Bob Harper all of whom passed away recently. It is a painful reminder of our mortality when we see the passing of three friends in such a short time.

The MAB station is largely repaired except for the dipoles which will be repaired by the time you read this and the rotator which developed problems after we re-installed the HF beam following repairs. My thanks again to Leo and Nora (VE2SI and

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  
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 Secretary: Paul MacDougall, VA2YQ redmaple@ca.inter.net  
 Treasurer: Vernon Ikeda, VE2MBS.....514-684-7944  
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 Bob Paknys, VE2JBP ve2jbp@rac.ca  
 Raymond Faguy, VE2SJA ve2sja@rac.ca  
 John Grow VE2EQL

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

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.

- 24 Nov 2004 - Ken Fraser, VE2KLF on MEMS technology
- 26 Jan 2005 - TBA
- 23 Feb 2005 - TBA
- 30 Mar 2005 - TBA
- 27 Apr 2005 - TBA
- 25 May 2005- Show and Tell

### Radio Classes

Each year the MARC holds a basic radio course. Plans are underway to start the next session in the second half of January 2005. The course will be run in association with the Concordia University Amateur Radio Club and will most likely be held at the Loyola campus. For more information or if you know of any potential candidates please contact Vern Ikeda.

### MARC Hamfest

Planning is now underway for next springs hamfest now set for Saturday April 9th, 2005. The 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

VE2HAX) for their valuable assistance. More work will need to be done in the spring so please let me know if you can help.

Hopefully you have all got your antenna work done as it is getting nippy outside and as I write this from Quebec City there are even traces of snow on the ground. One never knows but perhaps there may be news from RAQI following the board of directors meeting and also the annual club presidents' meeting.

I hope to see you all at the meeting and also at the dinner which promises to be an inexpensive and most enjoyable evening.

73 de Jim, VE2VE

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### FROM THE EDITOR'S DESK

As this is the last issue of the Marcogram before the holiday season and the new year I want to take this opportunity to wish you and your families all the best for your holiday celebrations and a healthy and prosperous New Year.

The Montreal Amateur Radio Club in association with the Concordia University Amateur Radio Club will once again be offering a basic level course. The next session is planned to start on a Saturday in late January. So if you know anybody who is looking for something different to do in the New Year, how about suggesting this course. The course would make a good New Year's challenge. Jim Hay and Vern Ikeda would love more candidates participating in this course

On page 5 you will find details for the clubs pre-holiday dinner in December. This is a excellent opportunity to get together before the holidays and enjoy some good company and a great guest speaker. Contact John Grow to reserve a places.

This month's meeting will be start off with the auditor's report to which was not presented at the AGM last month. The we get to meeting presentation, MEMS, which should make for a interesting evening.

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.

### November 2004

LZ DX Contest	1200Z Nov 20 to 1200Z Nov 21
All Austrian 160-Meter Contest	1600Z Nov 20 to 0700Z Nov 21
ARRL Sweepstakes Contest SSB	2100Z Nov 20 to 0300Z Nov 22
NA Collegiate ARC Championship SSB	2100Z Nov 20 to 0300Z Nov 22
RSGB 2nd 1.8 MHz Contest CW	2100Z Nov 20 to 0100Z Nov 21
CQ Worldwide DX Contest CW	0000Z Nov 27 to 2400Z Nov 28

### December 2004

ARCI Topband Sprint	0000Z-0600Z Dec 2
ARRL 160-Meter Contest	2200Z Dec 3 to 1600Z Dec 5
TARA RTTY Melee	0000Z-2400Z Dec
CIS DX Contest CW	0000Z-2400Z Dec 5
ARCI Holiday Spirits Homebrew Sprint	2000Z-2400Z Dec 5
ARRL 10-Meter Contest	0000Z Dec 11 to 2400Z Dec 12
Fall NA Meteor Scatter Rally	0000Z Dec 11 to 0700Z Dec 15
Great Colorado Snowshoe Run	0200Z-0359Z Dec 11
Russian 160-Meter Contest	2100Z-2300Z Dec 17
MDXA PSK DeathMatch	0000Z Dec 18 to 2400Z Dec 19
OK DX RTTY Contest	0000Z-2400Z Dec 18
RAC Winter Contest	0000Z-2400Z Dec 18
Stew Perry Topband Challenge	1500Z Dec 18 to 1500Z Dec 19
International Naval Contest	1600Z Dec 18 to 1600Z Dec 19
RAEM Contest	0200Z-0959Z Dec 26
DARC Christmas Contest	0830Z-1059Z Dec 26

### January 2005

SARTG New Year RTTY Contest	0800Z-1100Z Jan 1
AGCW Happy New Year Contest	0900Z-1200Z Jan 1
Original QRP Contest	1500Z Jan 1 to 1500Z Jan 2
AGCW VHF/UHF Contest	1600Z-1900Z Jan 1
	1900Z-2100Z Jan 1
WQF QRP Party	0000Z-2400Z Jan 7
Midwinter Contest CW	1400Z-2000Z Jan 8
ARRL RTTY Roundup	1800Z Jan 8 to 2400Z Jan 9
North American QSO Party CW	1800Z Jan 8 to 0600Z Jan 9
EUCW 160m Contest	2000Z-2300Z Jan 8
	and 0400Z-0700Z Jan 9
NRAU-Baltic Contest CW	0530Z-0730Z Jan 9
Midwinter Contest Phone	0800Z-1400Z Jan 9
DARC 10-Meter Contest	0900Z-1059Z Jan 9
Kid's Day Contest	1800Z-2400Z Jan 9
Hunting Lions in the Air Contest	0000Z Jan 15 to 2400Z Jan 16
LZ Open Contest	1200Z-2000Z Jan 15
MI QRP January CW Contest	1200Z Jan 15 to 2359Z Jan 16
North American QSO Party SSB	1800Z Jan 15 to 0600Z Jan 16
BARTG RTTY Sprint	1200Z Jan 22 to 1200Z Jan 23
ARRL January VHF Sweepstakes	1900Z Jan 22 to 0400Z Jan 24
CQ 160-Meter Contest CW	0000Z Jan 29 to 2359Z Jan 30
REF Contest CW	0600Z Jan 29 to 1800Z Jan 30
UK DX Contest RTTY	1200Z Jan 29 to 1200Z Jan 30
UBA DX Contest SSB	1300Z Jan 29 to 1300Z Jan 30

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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>

### 2005 Hamfests

**Saturday, Feb 05** **St Catharines ON**  
Niagara Peninsula Amateur Radio Club Big Event 27  
<http://www.nparc.on.ca>

**Saturday, Feb 26** **Burlington ON**  
Burlington Spring Fleamarket - Burlington, Ontario  
<http://www.barc.ca>

**Saturday, March 05** **Montréal QC**  
The UMS Annual Fleamarket at the Centre Roussin, 12125 Notre Dame Est (East), Montréal, QC  
Time: Vendors 07h00 am - Public 09h00  
Admission: 5.00\$ Tables 10.00\$ Talk-in VE2RXW 146.700 (-)  
Reservations: 514-521-7765 or via e-mail at:  
hamfest@ve2ums.ca  
E-mail: hamfest@ve2ums.ca  
<http://www.ve2ums.ca>

**Saturday, April 2** **Laval QC**  
The Hamfest Laval-Laurentides 2004 at the Polyvalente Georges Vanier, 2995 boul. Lévesque Est, Saint Vincent de Paul (Laval), QC.  
Vendors: 07h00 Public 09h00 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  
<http://www.ve2crl.qc.ca/hamfest.htm>

**Saturday, April 02** **Iroquois ON**  
Iroquois A.R.C. 10th Annual Flea Market - Iroquois, Ontario  
<http://web.ripnet.com/~ve3ugw>

**Saturday, April 09** **LaSalle (Montreal) QC**  
The Montreal Hamfest and Fleamarket LaSalle (Montreal), Québec. Held 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  
<http://www.marc.qc.ca/fest/fest.html>

**Saturday, April 09** **Brampton ON**  
HAMEX 2004  
<http://www.ham-ex.ca>

**Saturday, April 16** **Oshawa ON**  
Whitby Hamfest  
<http://w.a.r.c.tripod.com>

**Saturday, April 23** **Whitby ON**  
Durham Region Hamfest  
<http://drhamfest.tripod.com>

**Saturday, May 14** **Etobicoke (Toronto) ON**  
Skyward Annual Spring Hamfest And Fleamarket.  
<http://webhome.idirect.com/~jproc/sarc>

**Sunday, May 29** **Amherstburg ON**  
Amherstburg Radio Club 2005 Fleamarket  
Information and Reservations: Carey Collard, VE3CFQ at 519-736-7694  
or Carmine Cristofaro, VA3TRL at va3trl@rac.ca

**Saturday, September 03** **Carp ON**  
Ottawa Amateur Radio Club 8th Annual Hamfest.  
<http://oarc.net/fleamarket>  
73 de Vernon Erle Ikeda, VE2MBS/VE2QQ  
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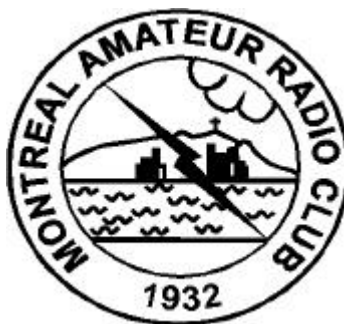
### CALLSIGN CHANGE

For those interested Robert Rodriguez, has a new callsign, VE3ROR. His contact info is 66 Ontario Avenue, Hamilton, ON, L8N 2X2

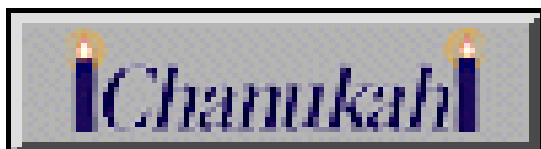
73 de Vern, VE2MBS/VE2QQ

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# Montreal Amateur Radio Club



## Holiday Dinner



**Door Prizes**

**Guest Speaker**

**"Graeme Decarie"**

**Good Food**

**Great Company**

**Date:** Saturday December 4<sup>th</sup>. 2004

**Time:** 7:00 PM

**Where:** Buffet Vichy (Across from Plaza Vertu)  
3500 Cote Vertu  
St. Laurent,  
Tel: 514-336-2322

*Free Parking - Access via Cote Vertu Metro*

**RSVP:** John Grow, VE2EQL  
H: 450-672-1545  
jgrow@sympatico.ca

*Response required by:*

November 27<sup>th</sup>. 2004

**Estimated Costs: \$ 15.00 per person**  
**Wine & Spirits Extra**

We will have our own enclosed separate area, only if we have 48 to 50 persons. This is a non-smoking area. It is important to call to reserve your place. Friends and family are welcome.

**GUEST SPEAKER:** Graeme Decarie topic will be enjoyed by the whole family.

**VOLUNTEERS NEEDED FOR SWEEPSTAKES  
CONTESTING IN NOVEMBER**

**MARCOGRAM WEB SITE CHANGES**

The MarcOgram web site moved: The archived set of MarcOgrams dating back to September 1999 have been moved to a new server on space given to us by Hay-Net Networks. The new URL is:

<http://www.hay-net.net/~ve2arc/mgram.html>

The club's web site is still:

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

and is still hosted by LKS Internet of Belleville, Ontario.

The main reason for the change for the location of the on-line edition we were well over our file space quota and we had to make the choice of either deleting older issues or move pictures and other binaries elsewhere. Jim Hay, VE2VE gave the the club some free space on his server so we could continue to make older issues available and a place to put pictures and new news articles as they arrive. I had hoped to finish doing a 2004 news/pictures page up on hay-net but as I write this up, it is still far from complete. I hope that I can get it done before this Christmas so you can see pictures from the various public service events we did this year.

73, de Vernon - VE2MBS/VE2QQ

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**ASSISTANCE REQUESTED**

Dave Melanson, VE2MPD, is looking for assistance in getting the Echolink program up and running over a highspeed Internet connection. If anyone can be of assistance please contact Dave at [davem@wapda.com](mailto:davem@wapda.com)

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Earl Paris, VE2ESP, and the Montreal Association for the Blind, (MAB), radio station are looking for active volunteers to help man the MAB station for the ARRL Sweepstakes contest over the weekend of November 19th to 21st. Earl needs both operators and loggers to man the station throughout the event. The actual hours of contest operations are 2100Z Nov 20 to 0300Z Nov 22. Use this excellent opportunity to participate in a contest and gain some contest and operating experience. If you are interested please contact Earl either at either home 514-524-4633 or work 514-489-8201 local 1015.

73 de Craig, VE2YGK

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**CLASSIFIED**

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

For Sale:

# **IC-24AT** **Dual-Band Hand Held FM Transceiver**  
Complete with:

New PB-86 Battery, New Lithium Back-Up Battery, Wall Charger, Belt Clip, Instruction Book. In excellent condition-Like new \$ 150.00.

Other items:

**CH - VIRTUAL PILOT High Performance Flight Yoke**  
\$ 75.00

# **PD-55-KAS CH - Aircraft Foot Pedals (Rudders)**  
\$ 75.00

**Microsoft Flight Simulator Software**  
**ZIP Drive**

Contact Hy Reinish- VA2HY , at 514.487.7592 or [VA2HY@rac.ca](mailto:VA2HY@rac.ca)

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# Silent Keys

## **SILENT KEY -**

### **ROBERT HARPER VE2WBW**

It is with regret that we announce the death of Robert Harper, VE2WBW. Bob recently joined the amateur community and had been active at the MAB's station VE2MAB and members will recall having met Bob at MARC meetings this past winter. Bob was also interested in promoting amateur radio as a means of emergency communications and public service.

On behalf of the members and directors of the Montreal Amateur Radio Club I offer the condolences of the club to Bob's family and friends.

73 de James R. Hay, VE2VE

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## **SILENT KEY -**

### **HARRY EASTON VE2HE**

This is to let you know about the passing of Harry Easton, VA2HE, "Happy Engineer" last Friday evening, 05 November 2004. For those of you who had attended Club meetings in the last few years, Harry was one of the regulars who rarely ever missed a meeting. Recently however, poor health did not permit him to attend meetings as often as he would have liked but in past winter/spring he was able to come to meetings thanks to Wally Robinson, VE2AGK. The last meeting that I saw Harry at was in April, 2004 and even though he wasn't well, he certainly still had the interest in the featured topic that evening. The funeral and visitation were Friday 12 November. Thanks to John Grow, VE2EQL for the details.

On behalf of the Directors and members of the Club, I would like to express condolences to the Sonny's family and to his many friends.

73, Vernon - VE2MBS/VE2QQ

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## **SILENT KEY -**

### **SAUL "SONNY" WACHMAN VE2ALW**

I received word from Marty Hornstein, VE2MH that Saul "Sonny" Wachman, VE2ALW passed away on 09 November 2004. While not active recently, Sonny's name came up frequently in conversations that I had with the regulars on the VE2RED repeater back in the early 1990's when I first came into the hobby.

On behalf of the Directors and members of the Club, I would like to express condolences to the Sonny's family and to his many close friends.

73, Vernon - VE2MBS/VE2QQ

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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