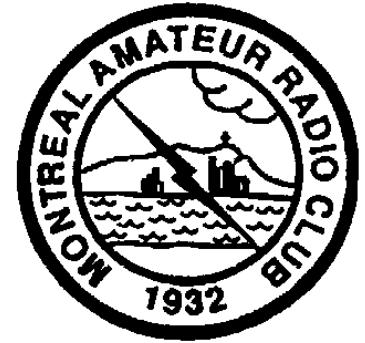


marcOgram

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



Volume 48, Number 2

October 2002

“M.A.R.C. ANNUAL GENERAL MEETING”

Wednesday 30 October 2002

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

The October meeting will be the Annual General Meeting of the Montreal Amateur Radio Club. The details were published in last month's Marcogram and a notice with meeting highlights is inside this month's Marcogram. This is an important meeting and you are encouraged to attend. Please remember that in order to participate you must be a paid up member of the M.A.R.C.

After the general meeting, time permitting, we hope to be able to show a very interesting account of the A52A Bhutan 2000 DXpedition, written and filmed by James Brooks, 9V1YC. This is the official DXpedition video to the Kingdom of Bhutan, land of the Thunder Dragon, and one of the most wanted DXCC entities of all time. Take a look behind the scenes with some of the best operators in one of the world's ultimate destinations.

A WORD FROM THE PRESIDENT

Hello,

Fall is here and with it comes the Annual General Meeting. This is the opportunity for the membership to give direction to the club. We will be

electing a new board of directors to manage the club for the coming year.

It is my understanding that all of the current directors and officers are intending to stand for re-election. We can have up to ten directors so if any of you are interested in joining the board please

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.

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Published By

THE MONTREAL AMATEUR RADIO CLUB
Incorporated

MONTHLY PUBLICATION MENSUELLE

1972 Marcogram Masthead

Club Activities

Meetings

30 October - Annual General Meeting and Video
 27 November - TBA
 29 January 2003 - TBA

Radio Classes

A basic level course will start in January and be held in association with the Concordia University ARC. The course will be held on Saturdays. Details are being finalized. For more information please contact Jim Hay or Vern Ikeda.

MARC Hamfest

The club will holding its annual hamfest Saturday 12 April 2003. Contact Jim Hay for more information.

Directors

President: James R. Hay, VE2VE.....514-697-7205
 jrhay@HayA.qc.ca
 Vice President: Steven Faguy, VA2SMF va2smf@rac.ca
 Secretary: Sheldon Werner, VA2SH
 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
 Earl Paris, VE2ESP.....514-524-4633
 Dave Melanson, VE2MPD

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.

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

consider putting your name forward at the AGM.

As I write this we have just completed our 70th Anniversary Dinner and I thank all of you who attended. The food was good and the speaker gave an excellent presentation. Those of you who were present were treated to a most interesting talk on the early history of radio and the work of Messrs. Marconi and Fessenden. I noticed that a good many friendships were renewed and many a reminiscence was shared as various members brought copies of Jean-Guy Renaud's recently published history of Amateur Radio in Quebec.

As usual after the annual meeting we will be showing a video which promises to be quite interesting. Please remember that we are now meeting in our new location at St. Ignatius of Loyola Church on West Broadway.

I look forward to seeing you all there.

73 de Jim, VE2VE

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FROM THE EDITOR'S DESK

The Montreal Amateur Radio Club in association with the Concordia University Amateur Radio Club will once again be holding a basic level course. The course will start in January and will held on Saturdays. The exact location and other details are being finalized. If you are interested or know of anybody who might be, please contact Vern Ikeda or Jim Hay as soon as possible so that the appropriate resources can be obtained.

Thanks go out to our board of directors and everybody else who helped out with the planning and very successful running of the MARC 70th Anniversary Dinner held last weekend, as well as to our the guest speaker, Dr. John (Jack) Belrose, VE2CV who provided some insights into the early Trans-Atlantic radio transmission experiments. This was a great evening, with some good conversation, good food, and an interesting after dinner presentation.

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.

October 2002

CQ Worldwide DX Contest SSB	0000Z Oct 26 - 2400Z Oct 27
ARRL International EME Contest	0000Z Oct 26 - 2400Z Oct 27
10-10 Int. Fall Contest CW	0001Z Oct 26 - 2400Z Oct 27

November 2002

Ukrainian DX Contest	1200Z Nov 2 - 1200Z Nov 3
ARRL Sweepstakes Contest CW	2100Z Nov 2 - 0300Z Nov 4
IPA Contest SSB 0600Z - 1000Z Nov 3 and 1400Z - 1800Z Nov 3	
High Speed Club CW Contest	0900Z - 1100Z Nov 3
	and 1500Z - 1700Z Nov 3
DARC 10-Meter Digital Contest	1100Z - 1700Z Nov 3
WAE DX Contest RTTY	0000Z Nov 9 - 2359Z Nov 10
OK/OM DX Contest CW	1200Z Nov 9 - 1200Z Nov 10
Anatolian ATA PSK31 Contest	1800Z - 2400Z Nov 9
Japan Int. DX Contest Phone	2300Z Nov 8 - 2300Z Nov 10
All Austrian 160-Meter Contest	1600Z Nov 16 - 0700Z Nov 17
ARRL Sweepstakes Contest SSB	2100Z Nov 16 - 0300Z Nov 18
LZ DX Contest CW	1200Z Nov 16 - 1200Z Nov 17
North American Collegiate ARC Championship SSB	2100Z Nov 16 - 0300Z Nov 18
RSGB 1.8 MHz Contest, CW	2100Z Nov 16 - 0100Z Nov 17
CQ Worldwide DX Contest CW	0000Z Nov 23 - 2400Z Nov 24
ARRL International EME Contest	0000Z Nov 23 - 2400Z Nov 24

December 2002

QRP ARCI Holiday Spirits Sprint	2000Z - 2400Z Dec 1
QRP ARCI Topband Sprint 1800 local Dec 4 - 0600 local Dec 5	
ARRL 160-Meter Contest	2200Z Dec 6 - 1600Z Dec 8
TARA RTTY Sprint	1800Z Dec 7 - 0200Z Dec 8
TOPS Activity 80m Contest	1800Z Dec 7 - 1800Z Dec 8
ARRL 10-Meter Contest	0000Z Dec 14 - 2400Z Dec 15
Great Colorado Snowshoe Run	0200Z - 0400Z Dec 15
AGB Party Contest	2100Z - 2300Z Dec 20
OK DX RTTY Contest	0000Z - 2400Z Dec 21
Croatian CW Contest	1400Z Dec 21 - 1400Z Dec 22
DARC Christmas Contest	0830Z - 1059Z Dec 26
RAC Winter Contest	0000Z - 2400Z Dec 28
Stew Perry Topband Challenge	1500Z Dec 28 - 1500Z Dec 29 Original
QRP Contest CW	1500Z Dec 28 - 1500Z Dec 29

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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>

73 de Vernon Erle Ikeda, VE2MBS
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OCT 26 **Longueuil QC**
Saturday, October 26 - Hamfest de Rive-sud de
Montréal - Longueuil, Québec. Location: Place
Desaulniers, 1023, Blvd Taschereau, Longueuil, QC
Vendors 06h00 - General Admission 09h00 - 15h00
Talk-in: VE2RSM 145.390 (-)

E-mail: ve2clm@amsat.org

Web page:

<http://www.cam.org/~ve2clm/hamfesta.htm>

NOV 02 **Markham ON**

On Saturday, November 2 the 6th Annual York Region
Hamfest at the Markham Fairgrounds, McCowan Road at
Elgin Mills Road East, Markham Ontario.

Vendors at 06h30 General Admission at 09h00

Vendor Tables - see: <http://www.yrarc.on.ca/regform.htm>
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

Web Page:

<http://www.yrarc.on.ca/fallfest.htm>

APR 12 2003 **LaSalle QC**

Montreal Amateur Radio Club Hamfest

Details are being finalized

Location: Royal Canadian Legion Branch 212 (LaSalle,
QC), 7771 Bouvier corner Shevchenko.

Table Reservations: James R. Hay at 514-697-7205

e-mail jrhay@haya.qc.ca

A reminder - if you have web access you can also
check the list of hamfests on the club's web page at:

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

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NEW LOCATION FOR MARC MEETINGS

The Montreal Amateur Radio Club will now be
holding meetings at the St. Ignatius of Loyola Parish Church
at 4455 West Broadway (corner of Terrebonne) in N.D.G. -
Montreal. As usual the Ragchew starts at 19h30 (7:30
P.M.) and gavel at 20h00 (8: P.M.).

Please enter via the right hand side (south side)
entrance toward the back of the building.

The STM bus number 51 from the Snowdon Metro
stops across the street and the 105 (Sherbrooke) and 162
(Westminster) stops one block south at the corner of West
Broadway and Sherbrooke Street West.

This information is also available on the club web
site at:

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

73 de Vernon Erle Ikeda, VE2MBS

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MARC 70TH ANNIVERSARY DINNER

The MARC 70th anniversary dinner was held
Saturday October 19th, 2002 at the Antico Martini
Restaurant. Those who attended were treated to a great
evening. We had the chance to make new acquaintances as
well as catch up with old acquaintances while enjoying a first
class meal. We also had a chance to see the new book on the
history of amateur radio in Quebec, "L'Histoire du Monde
Radioamateur au Quebec - Tome 1" by Jean-Guy Renaud,
VE2AIK. The author was in attendance so a few people
were able to purchase autographed copies of this
informative book.

The highlight of the dinner was a presentation by
Dr. John (Jack) Belrose, VE2CV. Dr. Belrose gave an
interesting talk on the first Trans-Atlantic Radio
transmissions by Guglielmo Marconi and Reginald

Fessenden as well as overview of the equipment used including the limitations of the designs, and doubts about the success of Marconi's Trans-Atlantic communications.

After the presentation there was an interesting question and answer period going into some more details about Fessenden, Marconi, and Tesla.

For more information on the evening's presentation you can start with the following web sites which have more information on Fessenden and the beginnings of radio communications including articles by our guest Dr. John Belrose:

<http://www.radiocom.net/Fessenden/>

<http://www.radiocom.net/Fessenden/Belrose.pdf>

The Canadian IEEE sites seems to be undergoing a re-organization (<http://www.ieee.ca>) and the papers at the IEEE seem to be available at:

http://www.ewh.ieee.org/reg/7/millennium/radio/radio_about.html

including the paper that was published in The Radioscientist & Bulletin, 1994.

The audio visual paper "Sounds of a spark transmitter" can be found on:

<http://www.hammondmuseumofradio.org/spark.html>

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SEPTEMBER MEETING RECAP

RAC PRESENTATION

Radio Amateurs of Canada at the M.A.R.C. September 25, 2002 meeting.

At the September 25th meeting of the Montreal Amateur Radio Club, James G. Dean, VE3IQ (Vice President, Regulatory Affairs - Radio Amateurs of Canada) and Dr. Kenneth Pulfer, VE3PU (Vice President, Government and International Affairs - Radio Amateurs of Canada) spoke on the various regulatory topics that will be discussed at next year's World Radio Conference (WRC-2003). Of prime interest to users/listeners on/around 7

MHz, the push for a world-wide Amateur exclusive allocation that is 300KHz wide at or near 7000 - 7300 KHz. This will mean that finally the 40-metre band will be the same in all three ITU regions.

Section S.25 (the Morse Code requirement for HF operation) is also to be discussed at WRC-2003, but it's passage at this time appears to be uncertain given the priority that the International Amateur Radio Union (IARU) is giving to the 40-metre question. As well, there is at least one country that is opposed to any change in S.25.

They also gave a brief look at various local problems/threats including the possible loss of spectrum at 220-222 MHz in Canada, the problems of primary status in the bands 144 MHz and up, interference from low-powered, unlicensed devices and the threat in Europe of Power Distribution companies using High Voltage power lines to deliver internet and phone service which could cause interference to the HF bands.

Ken Pulfer will be attending the WRC-2003 Conference next year as part of IARU delegation. The IARU only has Observer Status at WRC-2003 but works though local National Member Societies working hand in hand with Regulatory Agencies such as Industry Canada (IC) and the (U.S.) Federal Communications Commission (FCC) in helping guide through and formulate proposals to help and protect Amateur Radio interests. Jim Dean will also be attending as a member of the Canadian delegation.

Please consider contributing to the Defence of Amateur Radio Fund via RAC as there are many important issues that need our attention and with many band threats (particularly above 30 MHz), it is extremely important that something be done to save our spectrum for future use and experimentation.

For more information:

Radio Amateurs of Canada
<http://www.rac.ca>

International Amateur Radio Union
<http://www.iaru.org>

Band/Regulatory Threats
<http://www.rac.ca/threats.htm>

Enforcement of Regulations
<http://www.rac.ca/faggovt4.htm>

IARU WRC-2003 Page
<http://www.iaru.org/iaru-index.html#wrc2003>

73 de Vernon Erle Ikeda, VE2MBS
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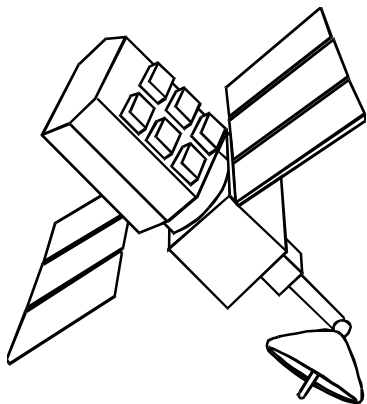
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AMSAT OSCAR 7 AO-7 NEWS

The Amsat Oscar 7 AO-7 Satellite has recently come back to life after being dormant for over twenty years. The satellite had significant Canadian involvement. The Canadian AMSAT team spent thousands of hours supporting the design, especially Larry Kayser VE3LK, Dick Bonnycastle VE3FUA and Bob Pepper VA3BI (EX VE2AO) who was involved in the design of the 435.1MHz Beacon in 1973! More information is available from the AMSAT Journal July-August 2002.

TECHNICAL INFORMATION

Uplink: 145.850 to 145.950 MHz CW/SSB
Downlink: 29.400 to 29.500 MHz CW/SSB



Beacon: 29.502 MHz, 145.975 MHz
Launched: November 15, 1974 by a Delta 2310 from Vandenberg Air Force Base, Lompoc, California.
Status: Semi-operational in sunlight.

After being declared dead 21 years ago in mid

1981 due to battery failure, AO-7 has miraculously sprung back to life and was first detected by Pat Gowen, G3IOR on June 21, 2002 at 1728 UTC. Jan King, W3GEY reports AO-7 is almost certainly running only off the solar panels. It is very likely to be on only when in the sun and off in eclipse. Therefore, AO-7 will reset each orbit and may not turn on each time. It is in Mode A when the 29.502 MHz beacon is detected.

On July 11, 2002 AO-7 was successfully commanded for the first time since it was declared dead 21 years ago. Commands were sent and accepted to change the CW beacon code speed.

Command investigation continues. So far, 11 different commands have been accepted by AO-7.

Yoshi Imaishi, JF6BCC is compiling an excellent list of observations. Please send him whatever you have. jf6bcc@jarl.com

You can view the list at:

<http://plaza16.mbn.or.jp/~palau/temp/AO7-mode-report.xls>

Tim, K3TZ has written a program to decode AO-07 telemetry. The program can be downloaded at:

http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

For more info:

<http://www.amsat.org/amsat/sats/n7hpr/ao7.html>

[ANS thanks Pat Gowen, G3IOR and Jan King, W3GEY for this information]

From the web site:

<http://www.amsat.org/amsat/news/ans2002/wsr02265.html#ao-7>

with additional information from Bob Pepper, VE3BI and the AMSAT Journal July-August 2002.

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A HISTORY OF AMATEUR RADIO IN QUEBEC

A new book on the history of amateur radio in Quebec has just been released. The book published in French, "L'Histoire du Monde Radioamateur au Quebec - Tome 1" by Jean-Guy Renaud VE2AIK is available from RAQI. The book includes a chapter on the MARC among many interesting topics. Those who attended the MARC 70th anniversary dinner had a chance to see this book. This book is over 450 pages long and has numerous photos. This book will be of interested to anyone wanting more information on the history of amateur radio in Quebec.

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SCANNERS HEAR IT FIRST BY FREDERICK HART, VE2LSQ

Fred's column is unavailable this month.

73 Fred and the cats.

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CLASSIFIED

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

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NOTICE OF MEETING

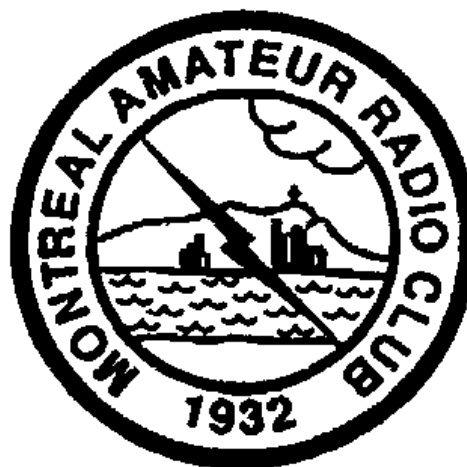
Notice is hereby given that the Annual General Meeting of the Montreal Amateur Radio Club, Inc. will be held on Wednesday, October 30th. at eight o'clock in the evening at the St. Ignatius of Loyola Parish Church at 4455 West Broadway (corner of Terrebonne) in N.D.G. Please enter via the right hand side (south side) entrance toward the back of the building.

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 5th day of September, 2002.

(sgd) Sheldon Werner
Sheldon Werner, VA2SH
Secretary.





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: radiohf@total.net

WEB: www.total.net/~radiohf

SHORTWAVE & AM/FM RADIOS / RADIOS ONDES COURTES & AM/FM
A.O.R., DRAKE, FAIRHAVEN, GENERAL ELECTRIC, GRUNDIG, ICOM, KENWOOD,
LOWE, 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)
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)
AUDIOVOX, COBRA, GARMIN, ICOM, KENWOOD, MAXON, MOTOROLA, STANDARD

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

SPECIALTY PRODUCTS / PRODUITS SPECIALISES
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ELECTRONICS, L.D.G., MAHA, MFJ, MIRAGE, NYE VIKING, OPTOELECTRONICS, PALOMAR
ENGINEERS, PALSTAR, PREMIER, RF CONCEPTS, R.F. SYSTEMS, RIGBLASTER, S.G.C.,
TIMEWAVE, UNADILLA, UNIVERSAL, VECTRONICS, VIBROPLEX

PUBLICATIONS / PUBLICATIONS
AMERICAN RADIO RELAY LEAGUE (ARRL), ARROWHEAD, ARTSCI, BAYLIN PUBLICATIONS,
BILLBOARD (WRTH), CQ, CRB, ANDRE GUEVIN, HARUTEQ, 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