

marcOgram

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



Volume 49, Number 9

June 2004

“ARRL FIELD DAY AT THE COSMODOME”

Saturday - Sunday June 26-27 2004

Set-up Saturday 08:00

Contest Operation 14:00 - 14:00

Talk-in: 147.315 (+)

Beside the Cosmodome

Avenue de Cosmodome and
Highway 15 South Service Road Laval

The MARC will be holding Field Day in association with the Laurentides Laval Radio Club. This is a great opportunity to showcase amateur radio and experience the excitement and challenges of Field Day. We are looking for several operators who will come out and make this operation a success. Contact Jim Hay, VE2VE, at 514-697-7205 to confirm your participation and availability.

A WORD FROM THE PRESIDENT

Hello,

Well, summer is here and Field Day is upon us. We're joining the Laval-Laurentides Club this year at the Cosmodome. The details are elsewhere in this issue and I look forward to seeing you all there. Also we have a number of other events coming up - Canada Day on July 1,

Harmony Horse Trails on July 3, the Jay Challenge from July 23 to 25 and the APCO conference in August.

The APCO conference is a gathering of those involved in emergency communications and as such is important exposure for amateur radio. If you would be able to give a few hours, or more, during the 8th. to 12th. of August I would like to hear from



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.

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 ag4tg@videotron.ca
 Secretary: vacant
 Treasurer: Vernon Ikeda, VE2MBS.....514-684-7944
 vern@hamgate.concordia.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
 Bob Paknys, VE2JBP ve2jbp@rac.ca
 Raymond Faguy, VE2SJA ve2sja@rac.ca

Club Call Sign: VE2ARC

Club Website: <http://www.marc.ca>

Repeaters

VE2BG 147.06 MHz (+)
 Owned and operated by the Montreal Amateur Radio Club. Located on the Pointe Claire water tower.

VE2RED 147.27 MHz (+)
 Owned and operated by the Montreal Amateur Radio Club. Located near Decarie and Cote St. Luc Road.

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

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

Meetings of the Board of Directors

Meetings of the Board of Directors are open to any member to attend. Board meetings are held the first Wednesday of the month (Sept. to June) at 7:30 PM at the Montreal Association for the Blind, 7000 Sherbrooke St West. Should you wish to attend one of the meetings you are welcome. Just speak to one of the directors before-hand to make certain that the meeting has neither been cancelled, nor the location changed.

Club Activities Monthly Meetings

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

29 Sept 2004 - TBA

27 Oct 2004 - (Tentative) Annual General Meeting

Radio Classes

Each year the MARC holds a basic radio course. Over the summer remember to promote amateur radio. When you run into someone who might be interested in joining amateur radio remind them about this course.

ARRL FIELD DAY

26 - 27 JUNE 2004

The MARC is working the ARRL Field Day in association with the Club Radio Amateur Laval-Laurentides. The location is the Cosmodome in Laval. If you are interested or want more details please contact Jim Hay at 514-697-7205 or jrhay@haya.qc.ca

Canada Day July 01

The club is running a demonstration amateur radio station as well as doing some communication duties during Canada Day celebrations at Pine Beach Park in Dorval. Set-up is 13h00 and operations start at 15h00 and run into the evening. For more details contact Jim Hay at 514-697-7205 or jrhay@HayA.qc.ca or Vern Ikeda at 684-7984.

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

you. Unfortunately I don't have all of the details but we will have a display station set up and will be manning that as well as the booth. We will be showing off the benefits of our hobby to police and fire chiefs, chief dispatchers, municipal and other politicians and others so we need to give a good impression. I expect that the exhibit area will open at about 10 AM each day and run until either 6 or 10 in the evening.

Not all of us can do everything but I hope that I will see each of you at least one event during the summer - remember that all of these events help to show the public what we can do.

Finally in August there will be another Open House at the CN Taschereau Yard and we will again be able to participate. This time I am assured that the music will be at a more reasonable level and so if you would like to help out with that event please let me know.

73 de Jim, VE2VE
- . . . -

FROM THE EDITOR'S DESK

As this is the last Marcogram before the summer break I want to wish you all a safe and fun summer. There are lots of opportunities to participate in amateur radio activities over the summer and I hope you will be take part in some way. Take the time to enjoy and promote our hobby. Perhaps we can create a new passion for amateur radio amongst some new people during the summer period. Vern and Jim look forward for an opportunity to fill the next radio class with eager students.

In the next few weeks there are some operating events that should be of interest to everybody. I look forward to as many of you as possible participating in the Quebec QSO party, ARRL Field Day, and the Canada Day contest.

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.

June 2004

All Asian DX Contest CW	0000Z Jun 19 to 2400Z Jun 20
West Virginia QSO Party	1600Z Jun 19 to 0200Z Jun 20
Quebec QSO Party	1700Z Jun 19 to 0300Z Jun 20
Kid's Day Contest	1800Z-2400Z Jun 19
RSGB 80m Club Championship SSB	2000Z-2130Z Jun 24
UK DX Contest CW	1400Z Jun 25 to 1400Z Jun 26
Ukrainian DX DIGI Contest	1200Z Jun 26 to 1200Z Jun 27
Marconi Memorial HF Contest	1400Z Jun 26 to 1400Z Jun 27
ARRL Field Day	1800Z Jun 26 to 2100Z Jun 27
ARCI Milliwatt Field Day	1800Z Jun 26 to 2100Z Jun 27
His Maj. King of Spain Contest SSB	1800Z Jun 26 to 1800Z Jun 27

July 2004

RAC Canada Day Contest	0000Z-2359Z Jul 1
Venezuelan Ind. Day Contest SSB/CW	0000Z Jul 3 to 2400Z Jul 4
World Lighthouse Contest	0600Z Jul 3 to 1200Z Jul 4
DL-DX RTTY Contest	1100Z Jul 3 to 1059Z Jul 4
Original QRP Contest	1500Z Jul 3 to 1500Z Jul 4
DARC 10-Meter Digital Contest	1100Z-1700Z Jul 4
MI QRP July 4th CW Sprint	2300Z Jul 4 to 0300Z Jul 5
RSGB 80m Club Championship CW	2000Z-2130Z Jul 5
ARS Spartan Sprint	0100Z-0300Z Jul 6
IARU HF World Championship	1200Z Jul 10 to 1200Z Jul 11
UK DX Contest RTTY	1200Z Jul 10 to 1200Z Jul 11
FISTS Summer Sprint	1700Z-2100Z Jul 10
ARCI Summer Homebrew Sprint	2000Z-2400Z Jul 11
RSGB 80m Club Championship SSB	2000Z-2130Z Jul 14
North American QSO Party RTTY	1800Z Jul 17 to 0600Z Jul 18
CQ Worldwide VHF Contest	1800Z Jul 17 to 2100Z Jul 18
RSGB Low Power Field Day	0900Z-1600Z Jul 18
RSGB 80m Club Championship Data	2000Z-2130Z Jul 22
RSGB IOTA Contest	1200Z Jul 24 to 1200Z Jul 25

August 2004

RSGB RoPoCo 2	0700Z-0900Z Aug 1
SARL HF Phone Contest	1230Z-1630Z Aug 1
ARS Spartan Sprint	0100Z-0300Z Aug 3
TARA Grid Dip Contest	0000Z-2400Z Aug 7
10-10 Int. Summer Contest SSB	0001Z Aug 7 to 2359Z Aug 8
National Lighthouse Weekend QSO Contest	0001Z Aug 7 to 2359Z Aug 8
European HF Championship	1200Z-2359Z Aug 7
North American QSO Party CW	1800Z Aug 7 to 0600Z Aug 8
ARRL UHF Contest	1800Z Aug 7 to 1800Z Aug 8
SARTG WW RTTY Contest	0000Z-0800Z Aug 21 and 600Z-2400Z Aug 21 and 0800Z-1600Z Aug 22
ARRL 10 GHZ and Up Contest	0600 local -2400 local Aug 21 and 0600 local -2400 local Aug 22
Keyman's Club of Japan Contest	1200Z Aug 21 to 1200Z Aug 22
SEANET Contest	1200Z Aug 21 to 1200Z Aug 22
North American QSO Party SSB	1800Z Aug 21 to 0600Z Aug 22
New Jersey QSO Party	2000Z Aug 21 to 0700Z Aug 22 and 1300Z Aug 22 to 0200Z Aug 23
CQC Summer VHF/UHF QSO Party	1600Z-2200Z Aug 22
ALARA Contest	0600Z Aug 28 to 1159Z Aug 29
Hawaii QSO Party	0700Z-2200Z Aug 28
TOEC WW Grid Contest CW	1200Z Aug 28 to 1200Z Aug 29
Ohio QSO Party	1600Z Aug 28 to 0400Z Aug 29
SARL HF CW Contest	1230Z-1630Z Aug 29

- . . . -

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

July 10 Milton ON

On Saturday, July 10, the Ontario Hamfest 2004 at the Milton Agricultural Fairgrounds, Milton ON.

Times Inside Vendors: 07h00 - Robert Street Gate only -

Tailgaters: 08h00 - Robert Street gate only - General

Admission: 09h00 - Thomas St gate only.

General Admission - T.B.A Inside Vendors - T.B.A. per table plus T.B.A. per person Tailgaters - T.B.A. tailgate permit (per space) + T.B.A. per person.

Talk-in: 146.520 Simplex

E-mail: ve3czi@rac.ca

<http://home.cogeco.ca/~barc>

July 17 Thorold ON

On Saturday, July 17, the NPARC 1st Annual Tailgate Hamfest & Auction, at Basil Reid Park, 699 Allanburg Road, Thorold, Ontario.

Times: Gates open from 08h00 until 13h00 (1 pm)

Cost: \$5 per person, under 16 free.

Talk-in: VE3NRS 147.240 (+)

Information/Reservations: Dave Wilson VE3BBN at (905)-262-5588 or by email at ve3bbn@vaxxine.com

<http://www.qsl.net/ve3vm/tailgate.htm>

August 7 St. Romuald QC

On Saturday, August 7, the Hamfest de ARES (St. Romuald Hamfest) at the Arena St. Romuald, St. Romuald, QC.

Vendors 06h00 - General Admission 09h00 - 15h00

Admission \$5.00 - Tables \$15.00

Talk-in: VE2RAG 145.450 (-)

Information/reservations:

Pierre Racine

ve2coh@sympatico.ca or 418-527-8680

Serge Berube

ve2bpu@sympatico.ca

418-839-4846 Fax: 418-839-3532

<http://www.aresqc.org>

Aug 21 Burford ON

Brantford Amateur Radio Club Hamfest

<http://comdir.bfree.on.ca/ve3ba/>

Aug 28 Manvers Township ON

Victoria-Haliburton ARA Hamfest 2004

<http://www.va3kvd.ca/vhara/hamfest.htm>

Sept 04 OARC 6th Annual Hamfest Carp ON

<http://oarc.net/fleamarket>

73 de Vernon Erle Ikeda, VE2MBS

© 2004 - Vernon Erle Ikeda

- . . . -

FIRST ANNUAL QUEBEC QSO PARTY

Saturday June 19th is the inaugural edition of the Quebec QSO party running from 13h to 23h (local time). The official web site for the contest is at

<http://www.raqi.ca/qqp>

and contains rules in pdf format in both French and English.

All operators are invited to participate and help put the province on the air from north to south and east to west. There are 10 categories of competition of which 4 are for VE2 stations only; and all operators can participate from the most elaborate stations to the simplest FM mobile as there's a category for VHF-only operations (6 and 2 metres).

Logs are due 60 days after the contest; August 24th.

There will be certificates for top-three scores in each of the ten categories.

As this is the first year for the QQP, we certainly wish to spread the word as much as possible and have it become a huge success and a perennial staple for Quebec amateur radio operators, on the Saturday immediately before St-Jean-Baptiste.

73 de Luc D., VA2KSH

- . . . -

COMMUNITY SERVICE

JULY 1ST CANADA DAY CONTEST STATION

The MARC will be operating a Canada Field Station at Pine Beach Park in the Arrondissement of Dorval, (corner of Lakeshore Drive and Pine Beach Blvd.) as part of the

**RICK HANSEN WHEELS IN MOTION 2ND ANNUAL FUND RAISING
ALEXANDRE BOURGEAU PARK, POINTE CLAIRE**



Photo courtesy of Steven Faguy, VA2SMF.

On Sunday June 13 2004 the Montreal Amateur Radio Club with assistance from the VE2LZR group had the pleasure of helping the Rick Hansen Pointe Claire Wheels in Motion Wheel-a-thon.

From left to right, Frank VE2TOR, Vern VE2MBS, Carol VA2MOO, Stan VE2QXP, Ken VE2EXC, Ray VE2SJA, Ron VA2RJC, Steven VA2SMF and Howard Ikeda. Missing from the picture is Pierre VE2PPF.

Doug Webb asked me to pass on this message, "I would like to thank all the people that helped us make this a safe and successful event."

Thank you very much for your help and I expect that we will be asked to participate again next year.

Thanks again.
73 de Ray, VE2SJA

- . . . -

local Canada Day festivities. The event provides an opportunity to have a demonstration station for public viewing, do some contest operating, and provide some public safety communications during a few of the festivities up until the conclusion of the fireworks display. Set-up starts at 13:00 and takedown will be in the evening after the fireworks. This is always a entertaining event and you will get to see a great fireworks display. Contact Jim Hay at 514-697-7205 for details and to confirm your participation.

like to come and join the VE2LZR group in this event are invited to reply here so that we can get this very popular event on the go. We would like to add that this event has been a Ham favourite for the past 10 to 15 years (can't recall the exact number actually... as there are many of them).

You are welcome to advise any of your friends of this event, so they can come and join us and gain valuable operating experience...

- . . . -

73 de Ken (VE2EXC) for the VE2LZR Group

- . . . -

HARMONY HORSE TRIALS NOTICE

Please note that the Harmony horse Trials cross country event will take place on Saturday, July the 3rd with an estimated start time (this means a bright and early start for us) at 8:00 am at the Beaulieu farms (old Windedge farms) in Ste-Justine-de-Newton. All of you who would

JAY CHALLENGE

The Jay Challenge is still on and I still need a few people for Saturday the 24th and Sunday the 25th of July.



This event is a large but easy event to cover, and it is good traffic passing exercise. I would like to see some of our new hams participate in this event.

So please send me an email at ve2sja@rac.ca if you would like to join us for this event and get some fresh air.

For more information please see:

<http://www.jaychallenge.com/>

73 de Ray Faguy, VE2SJA

- . . . -

ARRL FIELD DAY 26 - 27 JUNE 2004

The MARC is operating during the ARRL Field Day in association with the Club Radio Amateur Laval-Laurentides. The contest station will be set up at the Cosmodome in Laval, beside route 15. The site is accessible by Laval public transit, located near the Carrefour bus terminus. Set-up will start in the morning and we hope to have operations started at 14h00 Saturday afternoon. Talk-in is on 147.315 (+).

Take this opportunity to experience the fun and challenges of Field Day operating. Field Day is one of amateur radio's most important events. You'll have the opportunity to work with a bunch of great people, gain some contesting experience and be heard over North America. Whether you come for the week-end or visit for a few hours it will be time well spent. We would like as many people as possible to share in this operating opportunity and to ensure its success. Show your interest, and if you want more information, by contacting Jim Hay at 514-697-7205 or jrhay@haya.qc.ca

- . . . -

AMATEURS TAKE PART IN DULLES SIMULATED EMERGENCY

Over a hundred US ham radio operators from seven counties in two Eastern states, provided emergency communications support for the Saturday, May 8th disaster drill at Dulles International Airport. The exercise consisted of a simulated plane crash and fire.

The aim of the session was to provide treatment and transport of 200 volunteer "victims" to area hospitals by helicopter, ambulance and bus. Larry Hughs, K3HE, the Public Information Officer for the ARRL's Virginia Section reported that the job of Amateur Radio was to provide communications between agencies at the simulated crash site, those providing patient transportation, and the participating hospitals. To accomplish this, hams from a number of the region's Amateur Radio Emergency Service groups set up several portable repeaters in and around the airport grounds. They also provided a live Amateur Television link between the site and the airport Operations Centre. This allowed airport management to monitor the progress of the drill. Hams also accompanied some of the officials at the simulated crash site to provide instant communications to other temporary operational areas. Others rode the buses that transported ambulatory victims to local hospitals. This gave planners voice communications and real-time position data via Automatic Position Reporting System. Amateur Radio Newline's Bill Pasternak WA6ITF said other radio amateurs were stationed at ten area hospitals. They helped to co-ordinate the arrival and departure of those simulating the victims of the crash.

(Thanks to Amateur Radio Newline)
from:

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

- . . . -

70TH APCO CONFERENCE



APCO International will be holding the 70th APCO International Conference and Exposition, at the Palais des Congres from 08 August to 12 August 2004. Delegates from around the world will meet to discuss and peruse the latest available technologies and operational processes of

**QUARTER CENTURY WIRELESS ASSOCIATION'S INTERNATIONAL CONVENTION
(UPDATED)**

The Quarter Century Wireless Association's International Convention takes place in Ottawa on October 15-16-17. **All Radio Amateurs** and friends are invited to attend. QCWA is an international association composed of a membership of Radio Amateurs who have held their license for a minimum of 25 years.

Sessions	Speakers	
Software Defined Radios for the Masses	Gerald Youngblood	AC5OG
Noise in Receiving Systems	Dave Conn	VE3KL
Top Band Reversible Beverages	Bert Barry	VE3QAA
Living with Your Neighbours or EMC(101)	Ralph Cameron	VE3BBM
Rechargeable Batteries	Dick Bonnycastle	VE3FUA
Field Day 2000	Brice Wightman	VE3EDR
What's That Racket - HF Digital Modes 101	Ken Asmus	VA3KA
	Richard Bandla	VE3CVG
RFFingerprinting&WirelessProfiling	EliasZaydan	VE3EKZ
Truth and Untruth about Electrically Small Antennas	Jack Belrose	VE2CV
Amateur Satellites; Past, Present and Future	Clare Fowler	VE3NPC
Moonbounce, Basics and Beyond	Ken Oelke	VE6AFO
Super-Regenerative Receivers	Lea Barker	
Forums: QCWA – QCWW – RAC		

Place: Ottawa, Lord Elgin Hotel, 100 Elgin Street. Reservations 613-235-3333 QCWA Guest

Registration: Amateur \$20, Spouse/Guest \$5

Pre-registration required to attend the following -
Sat. buffet breakfast \$15; Sat. Banquet \$42; Sun. Brunch \$25; Friday
Bus Tour \$15; Sunday Steam Train \$53 (from and to hotel).

Talk-In: 146.34/94

More info at <http://www.qcwa.org>

or contact Donald Heaslip ve3njh@rac.ca phone (613) 727-2769

public safety communications.

The local amateur radio community is planning to have a booth to promote amateur radio during this conference. If you are interested in helping out please contact Jim Hay

If you are interested in more information about the conference and organization you can check the the following web sites:

APCO International - <http://www.apcointl.org/>

APCO Canada - <http://www.apco.ca/>

- . . . -

CLASSIFIED

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

FOR SALE / MOVING SALE:

In addition to the radio listed below, I must clear out many items of useful material collected over many years. It

would be a real shame to see it go to the city garbage. If there are any Hams out there who like to experiment or build, give me a call.

KENWOOD TS 830S

Radio in excellent condition, recently overhauled, 2 sets new spare finals; desk mike.

VIEWSTAR 300 TUNER

Excellent condition.

HUGE COLLECTION of parts and materials for serious builders or experimenters.

RAVEN 2465Q Wide carriage 24 pin printer, exc condition, lot of paper included.

EPSON 660 Inkjet printer.

For info, "Mac" VA2YQ - 514 482 3642

e-mail <redmaple@ca.inter.net>

. . . .



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

WEB: www3.sympatico.ca/radiohf

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