

# QST CANADA

Official Journal of the Canadian Radio Relay League  
Journal officiel de la Ligue Canadienne de la Radio Amateur

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1988



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The Canadian Radio Relay League (CRRL) is a noncommercial association of radio amateurs organized for the promotion of Amateur Radio communications and experimentation, for the establishment of networks to provide communications in event of disasters or other emergencies, for the advancement of the radio art and the public welfare, for the representation of radio amateurs in legislative and other matters, and for the maintenance of fraternalism and a high standard of conduct.

CRRL is incorporated under the Canada Corporations Act. Its affairs are governed by a seven-member Board of Directors elected every two years by the CRRL general membership. CRRL is noncommercial, and no one who could gain financially by the shaping of its affairs is eligible for membership on its Board.

"Of, by and for the Canadian Radio Amateur", CRRL numbers within its ranks the vast majority of active amateurs in the nation and has a proud history of achievement in amateur affairs.

A bona fide interest in Amateur Radio is the only essential requirement for membership. An Amateur Radio licence is not required, although full voting membership is granted only to licensed amateurs in Canada.

Membership inquiries and general correspondence should be directed to CRRL Headquarters, Box 7009, Station E, London, ON N5Y 4J9 (519-660-1200).

#### Officers and Directors

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\*Member, CRRL Board of Directors

## 'It Seems to Us . . . / Il nous semble . . .'

Last month we said we would have a surprise for you. Here it is. We hope you like it.

For many years, you have been telling us that you appreciate the work of CRRL: the field organization, the news service, the QSL bureaus, the training materials, the representation to DOC and the international work. If only CRRL had more than one page in QST.

In a sense, we have always had more than that. Over the years, Canadians have had hundreds of technical and general-interest articles published in QST. But we know what you mean. A one-page column can't possibly do justice to all the new developments in Canadian Amateur Radio or keep you as informed as you should be. For Canadian manufacturers and distributors, the cost of advertising in QST has seemed prohibitive. And you've been telling us that seeing Canadian ads, with Canadian prices, is important to you.

That's where this new publication, our monthly supplement to QST, comes in. We don't expect to be publishing lengthy technical or general-interest articles. Such articles will be too good to keep to ourselves, and we'll continue to share those with our friends to the south, on the pages of QST. What we want to provide here is better reporting of Canadian Amateur Radio activities, a place to share concerns and celebrate accomplishments, and something to bring CRRL members closer together.

I collect QST. I particularly enjoy reading QST articles written in the 20's and 30's. No matter what the topic, they convey a sense of warmth between reader and writer. Of course, it's the fraternal spirit of Amateur Radio coming through from a time when, as one of our local old-timers put it, "An amateur was your brother and could do no wrong."

I once asked Dick Baldwin, W1RU, who was General Manager of ARRL at the time, what happened to that warmth, that "amateur spirit". His answer was simple: "We got too big."

Well, CRRL is not yet too big. I hope that in this new publication, we can capture some of that warmth, some of that amateur spirit.

Having said that, I should tell you that everyone working on this publication is a volunteer whose time and energies are subject to the demands of job and family. Everyone is committed to doing a

good job, but few of us are proficient in French. So while we would like to present everything in both official languages, it just isn't going to be possible. Here is our policy on language:

Column headings will be published in English and French. Text will be published in whichever language it is received. That means if you speak French and send us an article in French, it will be published in French. Otherwise, it will be English. The same policy will apply to ads.

Speaking of ads, we think this new publication will be popular with advertisers. CRRL membership is currently around 5100. Of that number, some 5000 receive QST, and now, this publication. Our research indicates that some 3000 - and possibly as many as 3500 - CRRL members do not receive any other publication in which Canadian Amateur Radio advertising appears. So we are opening up a whole new market for advertisers.

This is a new venture for CRRL. Give us your support and wish us well. 73.—  
Harry MacLean, VE3GRO, Editor

#### WELCOME TO THE FIRST EDITION OF QST CANADA

Here is a unique opportunity for Canadian amateurs to enjoy the best of all worlds.

Each month, QST Canada, a special supplement tailored specifically to the tastes and needs of Canadian amateurs, now comes to you with the established reputation and appeal of QST, which has the largest English-language circulation of any amateur magazine in the world and more than seventy years of service, devoted entirely to Amateur Radio.

Whether it's the latest in DOC news, a report with pictures of a hamfest in your area, or information on the availability and price of amateur equipment, it comes to you at no extra charge, with your QST each month. QST Canada will need your contributions and suggestions. Editor Harry MacLean, VE3GRO, will be delighted to hear from you. We are counting on you not to disappoint him.

Thank you for your continued support. It is your support that has made this possible. 73.—  
Tom Atkins, VE3CDM, CRRL President

## Canada-Soviet Agreement Clears Way for Skitrek Communications

DOC has announced the signing of a special reciprocal-licensing and third-party-traffic agreement between Canada and the Soviet Union. This agreement, believed to be the first of its kind between the Soviet Union and a Western nation, is the result of many months of work by CRRL officials. It became effective on 1987 November 01 and will remain in effect until the completion of the joint Canada-Soviet Union "Polar Bridge" Skitrek expedition scheduled for February and March of this year. It clears away the last legal obstacle that would have prevented Skitrek members from using Amateur Radio as their basic means of communications with the outside world during the course of the expedition.

Following an enthusiastic response to calls for assistance made in this column and in the *CRRL News* bulletins, CRRL had well-known DXer and contester Barry Garrett, VE3CDX, assemble the team of Canadian amateurs who will be operating the main Canadian base station and coordinating various elements of the Skitrek Amateur Radio network. At press time, Barry was with Skitrek members in Resolute, on Ellesmere Island in the Northwest Territories, operating as VE8CDX, testing equipment and communication procedures for the expedition. By the time this is printed, final preparations should be well under way.

Use of Amateur Radio to provide com-

munications for this important scientific expedition should provide a unique opportunity to bring Amateur Radio before the media and demonstrate its capabilities to the public. You will not be able to communicate with Skitrek members directly. They will be very far north using low power and it is not likely you will even be able to hear them. You will be able to hear stations in the north, operated by Barry, his team and their Soviet counterparts, relaying messages from Skitrek members, and you will be able to work these stations. That's the time to invite the media into your shack and give them a new slant on a story they'll already be following—and promote Amateur Radio at the same time.

### CRRL NOTES

□ Andy McLellan, VE1ASJ, has been appointed CRRL Atlantic Region Director. Andy is a well-known contester and DXer, Manager of the CRRL Central Incoming and CRRL VE1 Incoming QSL Bureaus, and he served as CRRL Atlantic Region Director from 1982 until 1986.

□ Repeater enthusiasts, take note. Deadline for including your repeater in the 1988 edition of CRRL's *Canadian Repeater Directory* is 1988 March 01. Please submit the following information: location (city, town, hill, etc), frequency (include offsets, multiple port frequencies), call sign, sponsor (name of club, individual), source of information and notes (type of system, links) to CRRL, Box 7009, Station E, London, ON N5Y 4J9.

□ Congratulations to Jean-Serge Labelle, VE2ED, of Laval, Quebec, who was recently named 1987 CRRL Amateur of the Year. Jean-Serge was recognized for his many years of work translating CRRL, ARRL and IARU bulletins into French and making them available on the air. He was presented with his award by CRRL Quebec Director Claude Brunet, VE2ZZ, at a special "brunch" held in Jean-Serge's honour in Montreal.

□ CRRL has moved to a new and larger headquarters office located in Arva, Ontario, on Ontario Highway 4, two miles north of London. Address for CRRL remains the same: Box 7009, Station E, London, ON N5Y 4J9, and we hope you'll still think of CRRL as being "in London." There is a new telephone number:

519-660-1200. A word on the best time to call: General Manager Ray Staines, VE3ZJ, is usually at the CRRL office during normal business hours. At other times, you may leave a message on the answering machine. Your message will receive prompt attention.

□ A reminder to amateurs in British Columbia: New address of the CRRL VE7 Incoming QSL Bureau is c/o Bureau Manager Alex Ivsic, VE7CNE, F12-6961 Hall Ave., Burnaby, BC V5E 3A8. You do not have to be a CRRL member to use this bureau.

### DOC NOTES

□ DOC has released a new background paper, "Utilization of the Radio-Frequency Spectrum in the Range 30.01-890 MHz," for public comment. The paper is available from DOC Ottawa and DOC regional offices across the country. CRRL is concerned that the paper judges Amateur Radio activity in the 50, 144, 220 and 430-MHz bands on the basis of the number of FM repeaters in bands. This makes certain bands appear to be underused and could become a basis for concluding that amateurs neither use nor need these bands. CRRL is preparing an appropriate response.

□ Since mid-summer of last year, CRRL has been working with DOC to find an acceptable frequency for a 1-MW ERP Doppler-shift radar, to be located at Egbert, Ontario, for the purposes of detecting tornados and other weather disturbances. DOC's original assignment,

433.5 MHz, promised to play havoc with weak-signal and amateur satellite work near that frequency. CRRL pressed to keep the radar out of the band altogether. However, the only other suitable frequencies were in the 403-406 MHz range and Department of National Defence said those frequencies were needed by them. That meant the radar would have to be placed in the 430-450 MHz band where, unfortunately, RADIOLOCATION operation is primary and AMATEUR and AMATEUR SATELLITE operations are secondary. After consulting with interested parties and studying the alternatives, CRRL recommended a frequency in the 441-442 MHz range. Choosing the exact frequency, however, has become a challenge. Going low could adversely affect ATV operations. Going high could displace a number of repeater links. Latest word is that, for reasons of cost, the radar may not be installed for at least two years, and that its potential for creating interference to amateur operations may not be as great as was first thought. More later.

□ The latest issue of BP-23 (Broadcast Procedures 230 allows cable television systems to radiate signals twice as strong as permitted by the previous issue of the same document. CRRL believes that the new standards, implemented without the usual opportunity for comment from those affected, will have a detrimental effect on amateur operation, particularly in the 2-metre band. CRRL, which believes that fibre-optics is the ultimate solution to the problem of radiation from cable television

systems, has sent a strong note of protest to DOC.

□ DOC has dismissed a number of requests from manufacturers and importers to amend the Radio Regulations to permit the use of low-power video transmitting devices designed to operate in the VHF-UHF television bands. After testing the devices, DOC concluded that there was potential for interference with reception of television broadcasts, and for mutual interference among the devices themselves.

#### NOTES FROM ALL OVER

□ Complaints of RFI have resulted in one amateur in Alberta being taken off the air and another amateur in Manitoba having his power limited to 100 watts output. In both cases, alleged interference to "re-

ception of radiocommunications" was involved. It all points out that DOC will invoke Section 64.4 of the *General Radio Regulations, Part II*, and the urgent need for RF susceptibility legislation.

□ A reminder to amateurs in British Columbia: New address for the CRRL VE7 Incoming QSL Bureau is c/o Bureau Manager Alex Ivsic, VE7CNE, F12-6961 Hall Ave, Burnaby, BC V5E 3A8. You do not have to be a CRRL member to use this bureau.

□ Ken Mangaroo, VE3NCM, of Burlington, Ontario, won his court battle and the right to erect an antenna on his property. As reported last month, 18 of Ken's neighbours had asked for a stop-work injunction, claiming that the tower would lower their property values and cause TVI. Fortunately, Ken had obtained a building

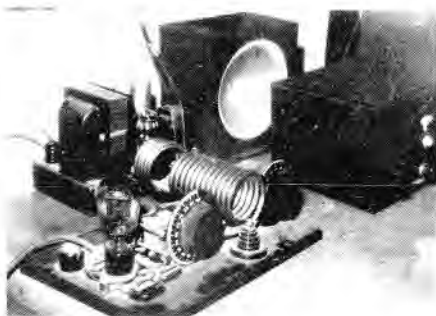
permit from the municipality, and even an engineer's report testifying to the structural integrity of the tower and the ability of the ground to support it. Ken's lawyers argued that Ken was in total compliance with the law and that Ken's neighbours had no basis for a case. The judge agreed and refused to grant the injunction. An important victory, not just for Ken but for all of us.

□ There was a hearing in the Jack Ravenscroft appeal on 1987 October 28. However the hearing did not deal with the merits of the decision against Jack, but with the appropriateness of certain evidence - an old and partial description of the plaintiff's offer to make an out-of-court settlement - included in the plaintiff's factum. The ruling? The entire offer must appear in the factum. The appeal proper is expected to be heard on January 28.

## Strays



ARRL President Larry Price presents CRRL President Tom Atkins, VE3CDM, with a framed copy of a resolution, passed at the ARRL Board Meeting in Atlanta, Georgia, pledging continued cooperation and wishing CRRL well.



Real ham equipment for the real ham. The 1929 transmitter and power supply was built by your editor using authentic vintage parts. The companion receiver is a restored National SW-3.

□ CRRL was invited to take part in a November 25 meeting of CTAC, the Cable-Television Technical Advisory Committee, to discuss implications of relaxed standards in the latest issue of BP-23 (Broadcast Procedures 23), the DOC document which indicates the maximum amounts of RF energy a cable television system may radiate. CRRL is concerned that the relaxed standards will have an adverse effect on Amateur Radio communications, particularly in the 2-metre band. Other users of the VHF spectrum, including the RCMP, took part. More later.



Bill Gillespie, VE6ABC, and XYL Bonnie, VE6BBC, at the CRRL booth at the 1987 Saskatoon Hamfest. Bill serves as CRRL Midwest Director and Alberta SM.

□ A reminder: Only CRRL has your membership records. When you move, send your change of address to CRRL, not ARRL.

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# Section News/Nouvelles du Section

Conducted By  
Jack Strangleman, VE3GV\*

**ALBERTA:** SM, Bill Gillespie, VE6ABC—A/SM: VE6AMM. SEC/TC: VE6AFO. OO: VE6TY. SM/DEC/STM: VE6ABC. Calgary amateurs provided communications for car rally in the Pincher Creek area. Calgary getting prepared to operate a special events station for the coming Olympics. Station will be manned about 12 hours per day under the call sign VX6OCO. Special certificates to be awarded for contacts. Details to be laid out later. Final activity on antennas as winter but moments away. Traffic: ASPN QNI 1298, QTC 20, Informal 118. ATN: QNI 208, QTC 73. Personal traffic: VE6GUS 18, VE6ABC 13, VE6AMM 4.

**BRITISH COLUMBIA:** SM, H. Ernie Savage, VE7FB—British Columbia Public Service Net meets nightly on 3729 kHz, 0030 UTC NM Jim Wallace, VE7BLO reports high 243, low 112—total 5394. British Columbia Emergency Net (BCEN) 3650 kHz nightly at 0300 UTC. NM Ferdi, VE7EJU, reports he is hoping for many Christmas QTCs for the net. QNI 918, QTC 314, otherwise things are OK. VE7JN, Jim, fell out of a tree and broke an ankle. VE7XH, Bill, is not well also. He has shingles. From the Marine Net, VE0MC, reports a disaster off Fraser Island near Queens Land. Crew is OK, and vessel was salvaged. 73. Traffic: VE7BNI 400, VE7EJU 155, VE7ANG 144, VE7EJW 86, VE7FME 58, VE7CCJ 55, VE7FB 49, VE7EGM 14, VE7XA 14, VE7BZI 10, VE7BVZ 10, VE7BNH 4, VE7EIR 4.

**MANITOBA:** SM, Jack Adams, VE4AJE—For those who are travelling north on No. 10 Hwy toward Flin Flon, make use of the "Pas 147.27 + 600" repeater located north of Mafeking in the Porcupine Mountains. This repeater owned by yours truly is a convenience to Northern travellers and is monitored by a good friend VE4PO. Paul has a tourist camp at the Overflowing River. Stop in and see Paul and his xyl, Hazel. You may even get a free coffee. Attended a club meeting with the Thompson Amateur Radio Club November 24 in Thompson, Man. They are presently upgrading their repeater (146.94-600) with help of Rick, VE4RF, who will be installing a voice ID along with a few other goodies. Most areas are blessed with these technical individuals. The Thompson club will be putting a presentation at the RD Parker Collegiate on Amateur Radio. Thanks to Bob, VE4AR, and xyl for the hospitality and lunch. Section reports CRRL Phone Net 30 sessions, 1094 QNI, 12 QTC, MTN-30 sessions, 239 QNI, 38 QTC. MMWX 30 sessions, 543 QNI, 21 QTC. Individual traffic: VE4AJE 40, VE4LB 36.

**MARITIME-NEWFOUNDLAND:** SM, Leigh Hawkes, VE1GA—BM: VE1BQO. If 1988 is like most years, we are probably having our worst winter weather about now. Hope all your ants are holding out. Since a QTH change last Fall, the SMs ants are all indoors! VOIGE has received the Bob Lewis Award. Hfx and Dart ARCs are preparing for their Annual Flea Market in May. More details on this will follow. Regret to report the following Silent Keys: Newt, VE1UE; Bill, ex VE1AX; and Ron, VE1SH, who was serving as CRRL Director at the time of his death.

For purposes of the CRRL Field Organization, Canada is divided into seven Sections, each headed by an elected Section Manager (SM). Your SM welcomes reports of individual and club activities. CRRL Field Organization appointments are available covering a wide range of volunteer interests. Check with your SM for details.

Alberta	William Gillespie, VE6ABC, 10932 68th Avenue Edmonton, AB T6H 2C1 (403-438-2510)
British Columbia	Ernest Savage, VE7FB, 4553 West 12th Avenue, Vancouver, BC V6R 2R4 (604-224-5226)
Manitoba	Jack Adams, VE4AJE, 227 Davidson Avenue East, Dauphin, MB R7N 2Z4 (204-638-9270)
Maritimes-Nfld	Leigh Hawkes, VE1GA, Box 864, Armdale, NS B3L 4K5 (902-443-6360)
Ontario	Larry Thivierge, VE3GT, 34 Bruce Street West, Renfrew, ON K7V 3W1 (613-432-5967)
Quebec	Harold Moreau, VE2BP, 80 rue Principale, Bagot, PQ J0H 1Y0 (514-798-2173)
Saskatchewan	Gordon Kosmenko, VE5GF, 59 Kowalchuk Crescent, Regina, SK S4R 6W7

I was especially privileged to have served as Assistant Director to Ron during his office. Hopefully the fortunes of time will permit his work to be carried on. DOC is studying band usage, and changes are possible. Stay in touch with and support your local clubs. Traffic: VE1BKM 47, VE1VX 16, VE1BPM 9, VE1BTV 6, VE1CYS 4, VE1ALU 3, VE1AJF 2, VE1CAL 2.

**ONTARIO:** SM, Larry Thivierge, VE3GT—BM: VE3GSA. SEC: VE3GV. STM: VE3CYR. TC: VE3EGO. I am pleased to announce the appointment of Dave, VE3GSA, as our new Bulletin Manager. Please contact him if you are interested in an Official Bulletin Station appointment. VE3ITT is the new EC for Oakville; VE3MB, new EC for Belleville and area. Kingston area ARES participated in a major emergency exercise dubbed "Autumn Leaf." A total of 20 members took part and some 118 messages were handled during the successful exercise. A debriefing session identified a number of items that will be stressed in future training sessions. VE3BUO has replaced his G5RV antenna with a windom antenna, and is pleased with the results. The Ottawa ARC sponsors the National Capital Award, an attractive certificate for contacting stations located in the National Capital Region of Canada. Stations located in Canada and the lower 48 United States require 20 contacts, all others require 10. Contact the Club for details. South Pickering ARC's Bulletin, "SPARC-GAP" recently received an "excellent" rating from the Amateur Radio News Service in the United States. Ratings were made on format, contents, club information, etc. Their ranking was just under the highest rating of "superior." Congratulations to editor VE3BFS and publisher VE3KZE. Using the call VE3BPC, the Rideau ARC placed first in the 2A (battery) Field Day class in Canada for the third year in a row. VE3AWE, one of the terrible trio and long-time NTSer, is enjoying the good life in Santa Barbara, California, for the next few years and expects to be back on the traffic nets from

his location 400 feet above the Pacific Ocean—our loss is their gain. The Niagara-Peninsula ARC's membership totals 143 as the Club celebrates their 40th anniversary and the Welland Co. ARC celebrates their 20th—congratulations to both. The first QSO on repeater VE3000 on 224.660 MHz was between VE3ACY and VE3EZJ. Triple "O" is located on the west side of Windsor about 150 feet + elevation. Traffic: VE3GSQ 227, VE3FAS 218, VE3ORN 147, VE3GNW 108, VE3DPO 95, VE3CYR 81, VE3GT 76, VE3WV 60, VE3DCX 53, VE3BUO 45, VE3WG 45, VE3BCZ 39, VE3NVJ 24, VE3BDM 22, VE3EAM 22, VE3POJ 22, VE3AJN 19, VE3KCCZ 18, VE3MCO 14, VE3KXB 12, VE3BAJ 7, VE3FGU 6, VE3WM 6. (Oct.) VE3POJ 28, VE3BAJ 20, VE3MCO 16.

**QUEBEC:** SM, Harold Moreau, VE2BP—STM: VE2EDO. BM: VE2ALE. Appointments for ORS and OO are open, if interested please contact your SM or STM. Gilles, VE2GEJ, is very active on the traffic nets and handling traffic from Donnacona. VE2AY, VE2AUW at VE2AIM ont ete occupes avec les scouts de l'Outaouais lors du trentieme edition du Jamboree-sur-les ondes. Avec regret j'ai a vous annoncer le deces de Gaston, VE2GC. Prompt retablissement a Adeoda, VE2ABO, qui est hospitalise. Traffic: VE2GEJ 80, VE2BP 62, VE2WH 47, VE2EC 25.

## ABOUT THE COVER

Sometimes antennas are where you find them. VE3AUI (standing) and VE3GAM pulled up beside this commercial mast and gamma matched a guy wire in a QRP Field Day effort that netted several hundred contacts. It worked!

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(519) 669-5421  
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# (( SERVICE PROFESSIONNEL AUX AMATEURS ))

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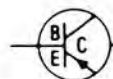
A partir du 1 janvier 1987, nous seront ferme les lundis.

# YAESU

Lundi	FERME
Mardi	9:00 - 17:00
Mercredi	9:00 - 17:00
Jeudi	9:00 - 17:00
Vendredi	9:00 - 21:00
Samedi	10:00 - 14:00



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Mockups  
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