

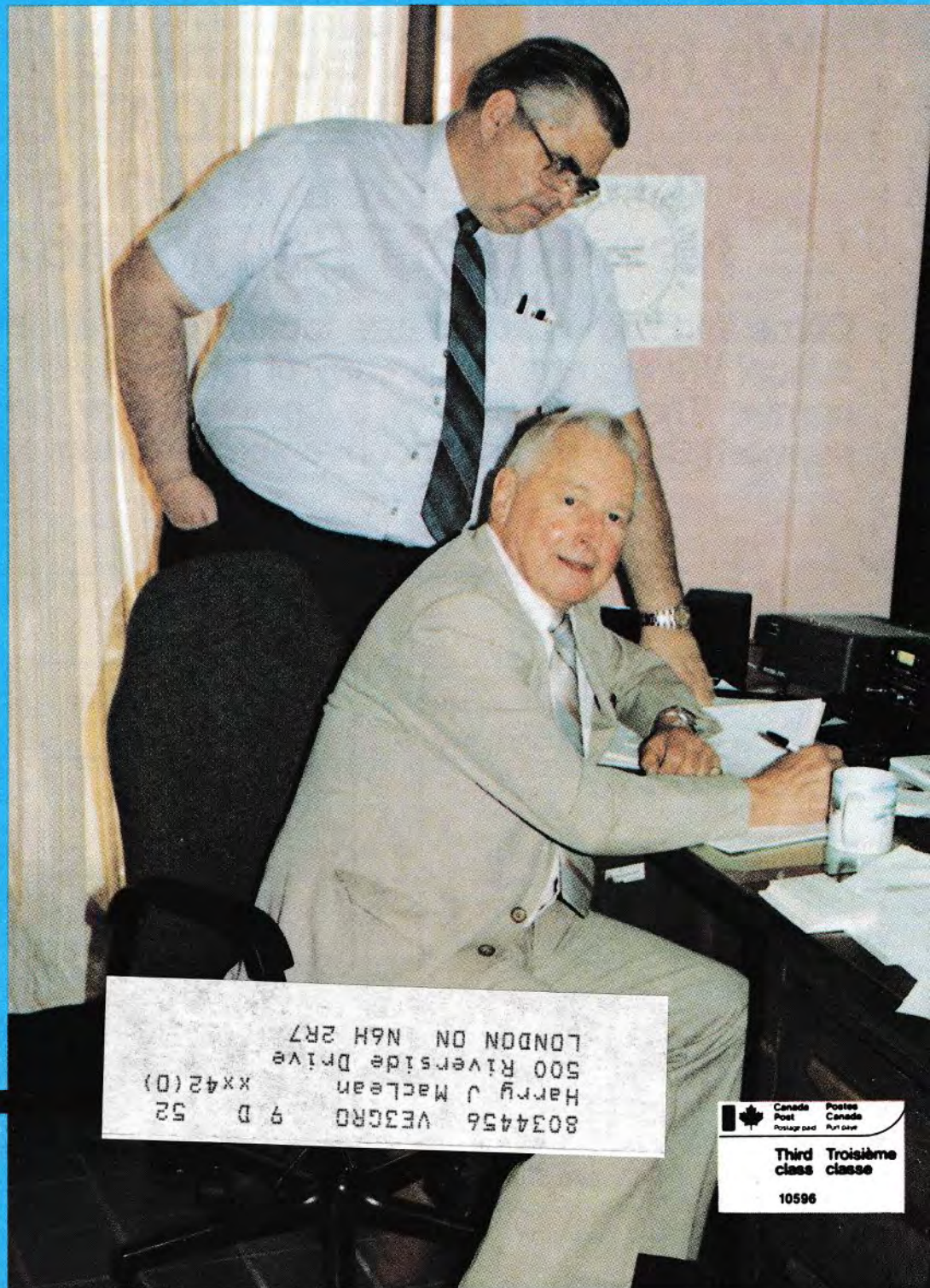
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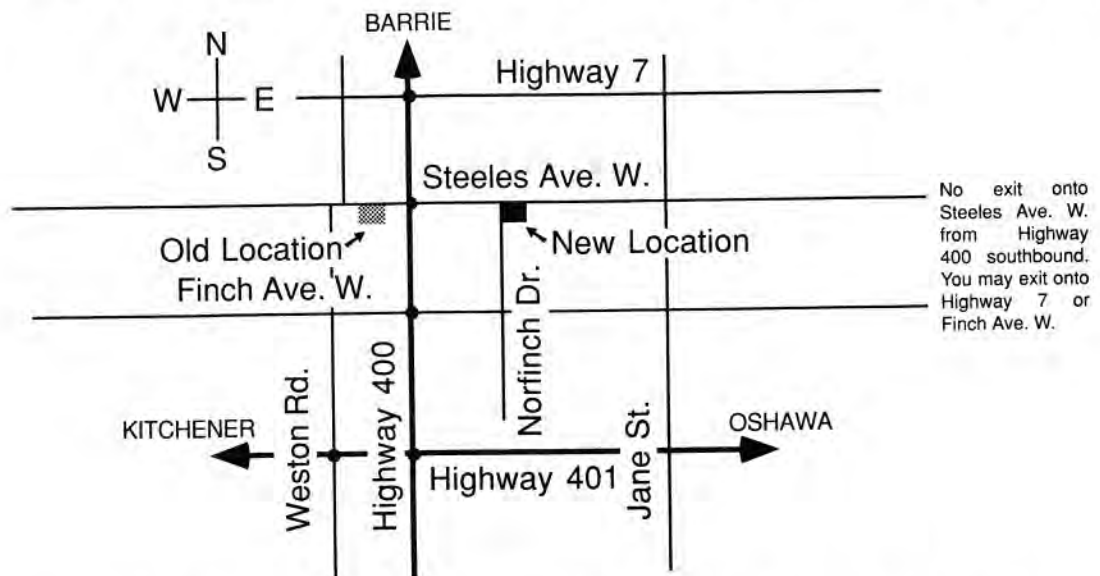
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ABOUT THE COVER



Hugh Clark, VE3WM, (left) looks on while CRRL International Affairs Vice President George Spencer, VE3AGS, operates VY9CC, the DOC employees' club station at DOC Headquarters, Ottawa. ■

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

The New Look CPC 2-0-03

Fifteen months ago, we were highly critical of DOC's CPC 2-0-03, *Municipal Consultation on Non-Broadcasting Antennas and Antenna-Supporting Structures*. According to this CPC, anyone erecting an antenna or antenna-supporting structure was expected to consult with local authorities and obtain approval before proceeding. DOC claimed the document was never intended to apply to amateurs, but the wording was unclear and amateurs seemed to be lumped in with all the rest. Several municipalities claimed they now had control over Amateur Radio antennas, and even DOC personnel were confused. We still recall the Chicoutimi amateur who walked into a DOC office with a simple address change and was told his licence was "suspended" until the municipality approved his antennas. We also recall the Edmonton amateur who was told his station licence would not be renewed unless his neighbours agreed to his antennas. Both of these stories received happy endings, but there were some anxious moments.

CPC-2-0-03 is back again, but with a new look and a new name: *Environmental Assessment Process Associated with Spectrum Management Activities*. Its purpose has broadened. First and foremost, it addresses a 1989 Federal Court decision that all federal government departments and agencies must conduct environmental assessments for all their activities. Specific objectives now include 1) meeting Health and Welfare Canada's *Safety Code 6* regarding non-ionizing radiation, 2) meeting the concerns of local municipalities or land-use authorities, and 3) identifying and addressing various environmental effects in accordance with the *Environmental Assessment and Review Process Guidelines Order*.

We like this CPC 2-0-03 a whole lot better than the old one. For starters, it's a lot more clear. Annex A states:

- a. Amateur licensees must comply with provisions articulated in Annex B regarding municipal or land-use authority consultation procedures, but need not submit an attestation form.
- b. Amateur installations must comply with non-ionizing radiation limits in accordance with *Safety Code 6* in Annex C, and the environmental concerns addressed in Annex D.

What's in Annex B? A lot of discussion and a sample *Antenna and Antenna Structure Attestation* form used to indicate that consultation on a proposed

antenna or antenna structure has taken place, and if approval was received. And this key paragraph with our italics:

Consultation with local authorities is *also encouraged* for radio station operators who wish to erect antennas or establish antenna-supporting structures associated with those classes of licence for which the Department does not authorize installations—for example, Amateur and General Radio Service...

Later, Annex B states, "An *Antenna and Antenna Structure Attestation* is not required for [these] classes of stations...." We hope you caught the word "*encouraged*". Nice to do, recommended, but not necessary. And no one plans to ask for forms.

What's in Annex C? More discussion and several graphs illustrating the *Minimum Safe Distance for the General Public* based on frequency and effective radiated power (ERP). These graphs show that it's safe for the general public to be 16 metres away from an antenna radiating 1000 watts ERP at 30 MHz. That's useful information when a neighbour expresses concern about all that RF floating around.

What's in Annex D? A *Preliminary Environmental Information* form to indicate if the station 1) radiates 200 watts ERP and is within 6 metres of the general public, 2) is in or near a park or an ecologically sensitive area, 3) is near a culturally sensitive area like a burial ground or historic site, or 4) could interfere with the migratory patterns of birds or animals.

What does this CPC 2-0-03 still need? There is some ambiguity between the wording in Annex A, "Amateurs *must comply...*" and Annex B, "Consultation... *is encouraged*". This could cause problems down the road. If the wording in Annex A were more like "Amateurs *are encouraged to comply...*", it would create a consistent tone and be more in line with DOC's intent. In Annex D, the CPC needs a statement that, for amateurs, when the answer to every question is "no", no *Environmental Assessment* form will be required. This would be consistent with the "no attestation form required" statement in Annex B and save everyone a lot of work.

These changes can be made. This version of CPC 2-0-03 is still provisional and DOC is asking for comment. So far, we think the document is fair, well crafted and inconsistent with the interests of Amateur Radio. Some potential problems can be averted through some minor changes and additions to the text. Let's hope our national organizations recommend these to DOC.

All letters are considered carefully. Letters are edited for clarity and may be condensed in order to have more information and readers' views presented. The publishers of *QST Canada* assume no responsibility for statements made by correspondents.

FELTON TUNING UP: POSTSCRIPT

It sure pays to advertise in *QST Canada!* In response to my enquiry about RCAF's No. 3 Wireless School and the radio equipment packed into the Tiger Moth (1192 December *QST Canada*), I've had a number of excellent replies including replies from VE1WB, VE3IDB, VE7AKR, VE7GRE and VE7PB.

VE7PB was an instructor at No. 3 and he identified the rig as the old RAF 1082/1083 and gave me about everything but the schematic! VE7GRE was an RN type on loan to army communications, and the 1082/1083 was his choice of equipment in a very mobile unit retreating

and advancing against Rommel in North Africa. Apparently the RCAF concluded that if we could learn to operate this equipment, we could operate anything as most of us did, going on to the famous R-1155/T-1155. Thanks again to *QST Canada*. Your story could well see a mini-reunion of No. 3 types at the Aircrew Reunion in Winnipeg in June. —*Rod Beaton, VE3EBY*

RAC CONVENTION

The following letter was received by both CRRL and CARF. Radio Amateurs of Canada (RAC) is the name of the new, single Canadian Amateur Radio organization being created by CRRL and CARF.

zation being created by CRRL and CARF.

The executive and members of the Calgary Amateur Radio Association (Calgary ARA) would like to extend an invitation to Radio Amateur of Canada (RAC) to hold the first RAC convention in Calgary, Alberta. Calgary, as you will find, is a very hospitable city with excellent convention facilities. —*Alan Faint, VE6TZY, President, Calgary ARA*

PACEMAKERS

The functioning of implanted cardiac pacemakers can be adversely affected by radio frequency signals from Amateur Radio equipment. I am interested in this subject. Has it ever been discussed in *QST* or *QST Canada*? —*Ted Hamer, VE3LI, Box 813, Washago, ON L0K 2B0*

We don't think so. Certainly not in QST Canada. Could anyone out there prepare a short article on this subject? We'd be glad to print it. —*Editor*

The Canadian Radio Relay League, Inc La Ligue Canadienne de la Radio Amateur, Inc



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 the 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.

CRRL is the Canadian member-society of the International Amateur Radio Union (IARU). "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 56, Arva, ON N0M 1C0 Tel (519) 660-1200.

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*Voting member, CRRL Board of Directors

Calendar



Attention: Deadline for items is the 20th of the second month preceding month of publication. For example, information should reach *QST Canada* by January 20 to be included in a March issue.

Ajax, ON: Durham Region Amateur Radio and Computer Fleamarket, 1992 April 11, Pickering High School, Church Street, Pickering Village, Ajax. Sponsored by North Shore ARC and South Pickering ARC. Refreshments, commercial displays. Opens 0900. Admission \$5, tables \$10. Talk-in on VE3OSH, 147.12 MHz (+), and VE3SPA, 147.375 MHz (+). For more information, contact Ron Brown, VE3WZ, South Pickering ARC, Box 53, Pickering, ON L1V 2R2, Tel (416) 839-3711.

Ottawa, ON: Annual Fleamarket, April 11 at Canterbury High School. Sponsored by Ottawa Valley Mobile ARC. Opens 0900. Talk-in on 147.30 MHz (+). For more information, contact Ken Barry, VE3KJB, Ottawa Valley Mobile ARC, Box 5530, Station F, Ottawa, ON K2C 3M1. Tel (613) 746-4823.

Ham-Ads



Advertisements must pertain to Amateur Radio. For individuals or firms offering products or services for sale, the rate is \$0.50 a word + GST. This is reduced to \$0.25 per word + GST for those seeking to dispose of or acquire personal station equipment. Telephone numbers count as one word. No charge for postal codes. Unless specified, a *QST Canada* Ham-Ad will appear in the next available issue. Send Ham-Ads to CRRL, Box 56, Arva, ON N0M 1C0.

FOR SALE: Kenwood TS-511S. 400 watts, good condition. Zbroinski, Tel (416) 656-4873.

FOR SALE: Two new Eimac 8660/4CX1500B. Will consider trade. Gary Morgan, VE3JKD, 38 Westcliffe Rd, Nepean, ON K2H 7X4, Tel (613) 726-1137.

DX Began Here

Newfoundland amateurs celebrate the 90th anniversary of Marconi's first signal across the Atlantic.

By Roland C. "Roly" Peddle, VO1BD
11 Vaughan Place
St. John's, NF A1B 1R3

In 1895, Signor Guglielmo Marconi sent a short wireless message in his hometown of Pontecchio, Italy. This led him to set his sights on a long-distance transoceanic wireless experiment between Europe and North America. The site chosen upon his arrival at St. John's, Newfoundland, in early December, 1901, was Signal Hill, a rocky promontory some 506 feet above sea level, overlooking the city of St. John's to the west and the Atlantic Ocean to the east.

Marconi set up his primitive receiver in the room of an old military hospital, not far from Cabot Tower, the now-famous stone structure built in 1897 to commemorate the discovery of Newfoundland by John Cabot four hundred years before. On Saturday, December 12, 1901, Marconi set up his kite-borne 500-foot (155-metre) wire antenna and proceeded to listen for the Morse code letter "S" sent by the powerful transmitting station at Poldhu in Cornwall, England. At 1600 UTC, Marconi and his two assistants, Messrs G. S. Kemp and P. W. Paget, heard the faint signals. The signals were heard again the next day at the same time.

It is interesting to note that relatively little is known about the frequency that was used. Even to contemplate an exact frequency, because of the broadband nature of the spark transmission from Poldhu, is at best difficult. The only reference I have ever seen was a source which put it at about 800 kHz. When this frequency is converted to wavelength (about 375 metres) and then to the antenna length that was used, one wonders how well the concept of resonance was known in those days!

The full story leading up to Marconi's choice of this site, the degree of secrecy required because of political pressure exerted by transatlantic cable companies who feared competition from Marconi's wireless, the damage inflicted on antennas at the Poldhu transmitting station by severe weather, and the fact that Marconi was never allowed to set up a permanent wireless station in Newfoundland, would fill an article much longer than this one. But that is a story for some other time.

To the best of my knowledge, there was no formal celebration of Marconi's achievement in our local Amateur Radio



Harold, VO1DM (left) and Bob, VO1LR operate VO1AA to celebrate the 90th anniversary of Marconi's first radio transmission across the Atlantic on December 12, 1901. The FT-101ZD shown was later replaced by more state-of-the art equipment supplied by Don, VO1KX. (VO1BD photo)

circle until 1961. On December 12 of that year, SONRA, the Society of Newfoundland Radio Amateurs, set up VO1MSA to commemorate "Marconi's Sixtieth Anniversary". Because the Cabot Tower was being used by ship-to-shore station VON at that time, it was not available for VO1MSA. SONRA had to set up in the old legislative building, the "Colonial Building" on Military Road in downtown St. John's.

On December 12, 1971, SONRA reactivated VO1MSA, this time at Cabot Tower on Signal Hill, to celebrate "Marconi's Seventieth Anniversary". The special call sign VB1MSA was also used during that year. Since then, sporadically in the 70s but more regularly in the 80s, the SONRA club call VO1AA has been activated each year on December 12. And since 1988, SONRA has also activated VO1MD from Cabot Tower, Signal Hill, to commemorate Marconi's birthday on International Marconi Day in April.

Anticipating the 90th anniversary of Marconi's first transatlantic transmission,

SONRA outgoing President Everett Price, VO1DK, initiated a special committee to plan for the event. This planning continued under current SONRA President Don Wyatt, VO1KX. SONRA hoped to contact the Cornwall group at GB2GM, and arrange for dignitaries on both sides of the Atlantic to exchange greetings.

VO1AA was set up one day before in a large emergency trailer equipped with a generator kindly provided by the Canadian Coast Guard, all with the help of Mr. Don Parsons and his staff at Signal Hill National Park. At the time, Cabot Tower was closed for repairs and restoration. Being a special anniversary, it was thought best to use up-to-date equipment. SONRA's old FT-101ZD and triband rotary dipole were put into storage, and a new FT-1000 and Cushcraft D-4 owned by President Don Wyatt was set up. The trailer was parked in front of Cabot Tower, right on the spot where Marconi conducted his famous experiment.

Operation started at 0000 UTC on December 12 and continued throughout

the night and next day until 0002 UTC on December 13. Operators were Bill, VO1AI; Harold, VO1DM; Tom, VO1EJ; Jack, VO1FD; Cal, VO1FM; Paul, VO1HE; Cyril, VO1KK; Don, VO1KX; Pat, VO1LL; Bob, VO1LR; Hal, VO1MG; Ned, VO1MN; Gus, VO1MP; Joe, VO1NA; Art, VO1RD; Ron, VO1RU, and Max, VO1WP. These operators made a total of 358 QSOs, contacting every continent except Antarctica, 33 DX countries, 25 US states and all Canadian provinces.

At 1218 UTC, contact was made with Chris, operating GB2GM from the Marconi station site in Cornwall. Signals were good both ways, and remained so for the entire contact. Throughout the contact, we were grateful to all the amateurs who stood by on 14.142 MHz and allowed us to complete the contact successfully. SONRA President Don, VO1KX, acted as emcee and Hal, VO1MG, and Gus, VO1MP, were at the controls of VO1AA while our local dignitaries assembled. CBC Radio's Morning Show with host Peter Miller was broadcasting live from our trailer. Newfoundland listeners were able to hear as much of our actual transatlantic contact as time would permit.

Dignitaries who spoke over VO1AA from this side included SONRA President Don; Ms Edna Hall representing Parks Canada; the Honourable Ross Reid, MP for St John's East representing the Government of Canada; the Honourable Eric Gullage, Minister of Municipal and Provincial Affairs representing the Government of Newfoundland and Labrador; Her Worship Ms Shanie Duff, Mayor of the City of St. John's; and Mr. Jack Harris, MHA for St. John's East.



The transmitting site at Poldhu in Cornwall, England, from which the Morse code letter "S" was sent to Marconi, listening in St. John's Newfoundland, on December 12, 1901. (Photo courtesy VO1BD)

Those at GB2GM exchanging greetings with our side included Mr. Keith Kennedy, trustee-patron and owner of the Poldhu station site; Mr. David Harris, a local MP; Mr. David Roberts, Chairman of the Cornwall Council; Mr. John Hocking, Mayor of Helston, the town nearest to Poldhu; Mr. Brea Thomas representing the Molier Parish Council, and Mr. Chris Blount, GØDCL of Cornwall Radio.

During the exchange of greetings, at 1300 UTC, GB2GM went to CW to send the letter "S", simulating the original event. That signal came through quite well, but those of us familiar with CW had a feeling that the person on the key at

the other end was not a professional CW operator or even an amateur. Indeed, that was the case. It turned out that the person on the key was the daughter of the operator who sent out the original signal in 1901. A very fitting gesture indeed!

All who directly took part in this contact were impressed by its success. Those observing at the site, those listening on 20 metres, and those listening in on both CBC and BBC radio were also impressed. A great deal of credit should go to those who organized everything so well, and to the operators on both sides of the Atlantic.

Two concluding notes: At time of writing, special QSL cards were being prepared to send to all amateurs who contacted VO1AA during this special anniversary, and who also sent us their QSL cards. These may be still forwarded to the CRRL VO QSL Bureau Manager, VO1BD. For those who include an SASE, your card will come direct. Otherwise, your card will come through the bureau system. There will also be a special award for the amateur who contacted VO1AA at the precise time that Marconi first heard the faint "S" in 1901: 1600 UTC. According to our log, this was Rein, HB9DHA, located near Zurich, Switzerland.

Finally, in the renovations currently under way at Cabot Tower, Parks Canada is setting aside space to permit SONRA to establish a permanent installation for its club station, VO1AA. This will greatly expedite special-event operation for both VO1AA and VO1IMD—special events like the 100th anniversary of Marconi's first transatlantic transmission, which we'll all be celebrating on December 12, 2001. ■

DOC RIC-3, Issue 4, 1991 December 1: Amateur Service

1. COUNTRIES THAT FORBID AMATEUR RADIOCOMMUNICATIONS

The following countries have notified the International Telecommunications Union that they forbid radiocommunications with amateur stations under their jurisdiction: Angola, Ethiopia, Ghana, Iraq, Myanmar (Burma), Saudi Arabia, Suriname, Uganda, Zaire.

2. COUNTRIES WITH WHICH AGREEMENTS OR ARRANGEMENTS HAVE BEEN CONCLUDED TO PERMIT THE EXCHANGE OF THIRD-PARTY TRAFFIC

Canada has concluded agreements or arrangements with the following countries to permit the transmission by Canadian amateurs of international communications on behalf of third parties: Antigua and Barbado, Australia, Bolivia, Chile, Colombia, Costa Rica, Dominica, Dominican Republic, El Salvador, Grenada, Guatemala, Guyana, Haiti, Honduras, Israel, Jamaica, Mexico, Nicaragua, Paraguay, Peru, Saint Vincent and the Grenadines (no phone patches permitted), Trinidad and Tobago, United Kingdom (limited to outgoing traffic from certain special event stations), United States, Uruguay, Venezuela.

3. COUNTRIES WITH WHICH RECIPROCAL OPERATING PRIVILEGES HAVE BEEN ARRANGED

Canada has concluded agreements or arrangements with the following countries to permit licensed Amateur Radio operators to operate radio stations while temporarily in the other country: Antigua and Barbado, Argentina, Australia, Austria, Bahamas, Barbados, Belgium, Bermuda, Bolivia, Botswana, Brazil, Chile, Colombia, Costa Rica, Denmark, Dominica, Dominican Republic, Ecuador, Finland, France, Germany, Greece, Grenada, Guatemala, Haiti, Honduras, Iceland, India, Indonesia, Ireland, Israel, Italy, Jamaica, Japan, Luxembourg, Malta, Mexico, Netherlands, New Zealand, Nicaragua, Norway, Panama, Papua New Guinea, Peru, Philippines, Poland, Portugal, Saint Lucia, Senegal, Spain, Suriname, Sweden, Switzerland, Trinidad and Tobago, United Kingdom, United States, Venezuela, Yugoslavia.

CRRL note: DOC recently announced that reciprocal operating privileges have also been arranged with Slovenia. ■

4 QST Canada

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WARC-92 Opens

As expected, WARC-92 opened in Torremolinos, Spain, on February 3 without an official representative of the Canadian Amateur Radio community on the DOC delegation. However, IARU Region 2 Secretary Tom Atkins, VE3CDM, whom CRRL had nominated for the DOC delegation, is now at WARC-92 as part of the IARU Observer Team. Tom is serving in place of IARU Region 2 President Alberto Shaio, HK3DEU, who was unable to attend the conference. A detailed report on the first four days of the conference appears on page 16 of this *QST Canada*. WARC-92 continues until March 3.

NOTES FROM ALL OVER

To commemorate the centennial of Windsor, Ontario, DOC will be authorizing amateurs in the city of Windsor to use the special prefix CK3 from May 17 until May 30. And to commemorate the 200th anniversary of the arrival of John Graves Simcoe, first Lieutenant-Governor of Upper Canada, DOC will be authorizing amateurs in the Niagara Peninsula area to use the special prefix XJ3S from June 29 until July 12.



A reminder that to commemorate the 150th anniversary of the Geological Survey of Canada (GSC), Canadian amateurs may use the following special prefixes throughout March and April: VG1-VG8 in VE1-VE8; XJ1 and XJ2 in VO1 and VO2; and CG1 and CG2 in VY1 and VY2. DOC club stations may use CG9. In connection with this, look for the Ottawa GSC Amateur Radio Club station, VE3GSC, on Fridays, 1700-1830 UTC, throughout 1992. A special anniversary QSL card is available.

Special-event station VE3MUSH recently operated from the Canadian Dog Sled Championships held in Marmora, Ontario.

South of the border, ARRL has a new President, George Wilson, W4OYI, of Owensville, Kentucky. He succeeds Larry Price, W4RA, who declined to stand for re-election. Larry continues as ARRL Vice President for International Affairs.

Looking abroad, a disturbing note from the Olympic Winter Games in Albertville, France. According to a bulletin issued by Réseau des Emetteurs Français (REF), the French Direction de la Réglementation Générale (DRG) has ordered radio amateurs in Ain, Haute-Savoie, Isère and Savoie off the 144.000-144.050- and 145.950-146.000-MHz portions of the 2-metre band during February to provide clear frequencies for use by


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VA1S

This is to certify that _____ successfully made a 2 X _____ contact with Special Event Station VA1S at _____ Z _____ December 199_____ on _____ MHz.

VA1S is a commemorative station to mark the _____ th anniversary of the first successful trans-Atlantic communication from West to East on 15 December 1902 from Glace Bay, Nova Scotia, to Poldhu, Cornwall, England. VAS was the call sign of the original Marconi Wireless Station at Glace Bay.


 Jack Columbus - VE1XT


 Alan Leith - VE1AL

Amateurs in Newfoundland weren't the only ones celebrating Marconi's achievements during December (see "DX Began Here", page 3 of this *QST Canada*). To mark the 89th anniversary of the first west-to-east transatlantic transmission from Glace Bay, Nova Scotia, to Poldhu, Cornwall, England, on December 15, 1902, members of the Marconi Amateur Wireless Association of Sydney, Nova Scotia, made over 1000 contacts from special-event station VA1S operating from Marconi's Glace Bay site (the call sign of Marconi's original station was VAS). Amateurs contacting VA1S are eligible to receive this handsome certificate. Send log information and \$3 or five IRCs to VA1S QSL Manager Al Leith, VE1AL, 846 George St, Sydney, NS B1P 1L9. (Sample certificate courtesy VE1XT)

various Olympic teams. The bulletin also stated that the request for these frequencies came from the Australian and Canadian Olympic societies so their teams could use equipment they "normally used at home". If the information is authentic, the DRG ban is in violation of international agreements. 145.950-146.00 MHz is part of an exclusive worldwide allocation to the Amateur Satellite Service. This will become a matter for IARU. For Canadians, the ban raises the question: are any of our Olympic teams using 2-metre equipment—perhaps illegally—in connection with their training programs? If so, CRRL would like to know.

DOC has announced that Canada now has a reciprocal operating agreement with the Republic of Slovenia. Until recently, Slovenia was part of Yugoslavia. Prefixes currently in use: YT3, YU3, YZ3 and 4N3. CRRL has been advised that Slovenia now has its own QSL bureau. Send cards to Zveza Radioamaterjev Slovenije, Lepi pot 6, Box 180, 61001 Ljubljana, Slovenija.

Interested in short-wave listening? On April 25, the Ontario DX Association (OXDA), Canada's premier SWL organization, will hold its 1992 convention at

the Valhalla Inn near Pearson International Airport, Toronto. Speakers will include Lawrence Magne, editor of *Passport to World Band Radio*, and David Cook of SPAR Aerospace Canada. Raffle prizes will include three receivers—one of them a Drake R8. Registration for this one-day event is \$12. For more information, contact OXDA, Box 161, Station A, Willowdale, ON M2N 5S8, Tel (416) 853-3169.

Members of Calgary Amateur Radio Association have volunteered to develop a database of VHF-UHF voice repeaters, digital repeaters and beacon stations for all of Canada. As a starting point, they will use the database developed for the Canadian section of the 1992 *ARRL Repeater Directory*. This will be sent to repeater coordinators and other contact people for updates and corrections. The resulting database will be used to produce a new *CRRL Repeater Directory* and to make Canadian section of the 1993 *ARRL Repeater Directory* as accurate as possible. Do you know of errors or omissions in the current *ARRL Repeater Directory*? Send your information to Calgary Amateur Radio Association c/o Ken Oelke, VE6AFO, 7136 Temple Dr NE, Calgary, AB T1Y 4E7.

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Silent Keys

Conducted By Ray Staines, VE3ZJ

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VE3AN, Will Taylor, Bath, ON
VE3BTB, Ron Gibson, Hamilton, ON
VE3GBI, Herb Moor, Oakville, ON
VE3GZQ, Murray "Mac" McCardell,
Scarborough, ON
VE3IUS, Kurt Hoyer, Niagara-on-the-Lake, ON
VE3LXE, Harry Overend, Belleville, ON
VE3OBK, Cyril Youll, Bridgenorth, ON
VE6AEG, Elmer Schlenker, Medicine Hat, AB
VE6BOL, Bob Bowman, Edmonton, AB
VE6CJ, Bern Glockner, Fort Saskatchewan, AB
VE6SSL, Sid Lancaster, Edmonton, AB
VE6WG, Fred Greene, Lethbridge, AB
VE7ARG, Emmanuel Parrot, Victoria, BC
VE7BMT, Jim Trott, Williams Lake, BC
VE7ECL, Lloyd Paine, Abbotsford, BC
VE7ESA, Joe Stanley, Naksup, BC
VE7EZQ, Colin Searle, Chilliwack, BC
VE7FPV, William Cardwell, Saanichton, BC
VE7FWB, Charles Stewart, Clearbrook, BC
VE7GAY, Wilbert Van Horne, Parksville, BC
VE7MR, Don Martin, Creston, BC
VE7PJ, Joseph Unsworth, Richmond, BC

Note: Silent Key reports sent to *QST Canada* must include name, address and call sign of the reporter. To avoid unfortunate errors, reports are confirmed only through acknowledgement from the family of the deceased. Thus, those who report a Silent Key may not receive an acknowledgement from *QST Canada*. ■



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Report: Defence of Amateur Radio Fund

As many of you are aware, the Defence of Amateur Radio Fund Trust was established in 1990 with the objective of providing funds to meet the costs and expenses of a Canadian amateur who would attend World Administrative Radio conferences in 1992 and 1993 (WARC-92 and WARC-93) as part of the Department of Communications (DOC) delegations. A second objective of the trust was to provide funds as might be required to discharge expenses with respect to research and preparation of a Canadian position for the defence of the Amateur and Amateur Satellite services. The trust fund has been very well received across the country, and the generosity of Canadian amateurs has resulted in the fund having a balance approaching \$25,000.

The Trustees had hoped that a Canadian amateur would be appointed to the DOC WARC-92 team some time ago. In the fall of 1991, it became apparent that a delegate had not been appointed, and the Trustees wrote directly to the DOC to ask

for clarification. DOC advised that they supported the inclusion of one amateur on the Canadian delegation. Mr. R. W. Jones, Director-General of the Radio Regulatory Branch and head of the Canadian delegation to WARC-92 advised the Trustees that: "While we can appreciate the efforts which were undertaken by many individuals to establish the Defence of Amateur Radio Fund Trust to enable a Canadian amateur to attend the conference as a delegate, we consider it reasonable to insist that the amateur community itself should undertake the task to nominate a suitable candidate which is acceptable to both CRRL and CARF."

The Trustees understand that a suitable candidate could not be located, and accordingly no amateur was appointed to the DOC WARC team. While we are certain that the DOC will represent Amateur Radio issues well at WARC-92, Canada remains one of the very few countries without an amateur delegate.

Mr. Thomas Atkins, VE3CDM, who is Secretary of International Amateur Radio

Union Region 2 (IARU R2) will attend WARC-92 as a member of the IARU observer team, but not as an official Canadian delegate. Mr. Atkins' expenses for attending WARC-92 will be paid by the International Amateur Radio Union.

In accordance with this new development, the Trustees propose that funds in the Defence of Amateur Radio Fund Trust be disbursed as follows:

1. A portion of the trust fund will be paid to the International Amateur Radio Union to assist in defraying expenses for Amateur Radio representation at WARC-92. It is unlikely that this donation will exceed US \$4000.

2. As funds for the trust were raised with the prime objective of funding a Canadian amateur on the DOC WARC team, the Trustees felt it would be appropriate that those individuals and groups who so desired could obtain a refund from the trust. Requests for a refund must be made before July 1, 1992, and must take

Report—continued on page 16

Rules: CLARA 25th Anniversary Contest

CLARA, the Canadian Ladies' Amateur Radio Association, is 25 years young! To celebrate, all licensed YLs and OMs—and all SWLs—are invited to participate in this special edition of the annual CLARA Contest.

Contest Period: 1700 UTC, Tuesday, March 17 until 1700 UTC, Wednesday, March 18

Bands: 80, 40, 30, 20, 17, 15 and 10 metres

Suggested Frequencies: Phone: 3.75, 7.07, 7.15, 14.12, 14.16, 18.12, 21.3 and 28.488 MHz; CW: 3.69, 7.035, 10.12, 14.30, 18.025, 21.035 and 28.01 MHz

Operation: On phone, call CQ CLARA Contest; on CW, call CQ CLARA. YLs contact YLs and OMs; OMs contact YLs only. Except for on 30 metres, each station may be contacted twice on each band, once on phone and once on CW. No nets, lists or cross-mode contacts.

Exchange: Name, RS(T), QTH (province or DX country), CLARA member or non-member

Logs: Show date and time in UTC, frequency, mode, station contacted, operator's name, province or DX country, and points claimed. All logs must be signed by the sender. Show sender's name, call sign, address and call sign of station used. Logs will not be returned.

Scoring: Points shown below are for phone contacts. For CW contacts, double the number of points. Note that associate OMs are direct family relations to CLARA members:

- (A) CLARA member contacts CLARA member – 5 points
CLARA member contacts YL non-member – 3 points
CLARA member contacts associate OM – 2 points
CLARA member contacts OM – 1 point
- (B) YL non-member contacts CLARA member – 5 points
YL non-member contacts YL non-member – 3 points
YL non-member contacts associate OM – 2 points
YL non-member contacts OM – 1 point
- (C) OM contacts CLARA member – 5 points
OM contacts YL non-member – 3 points
OM contacts associate OM – 2 points
Contacts between non-associate OMs – no score

Multipliers are calculated by adding the number of Canadian provinces and territories (maximum: 12) plus the number of DX countries worked by contacting a YL. Total claimed score is total contact points X multiplier. 50 bonus points will be added to this score if you have contacted the hidden (known only to CLARA) station. Final score is claimed score + bonus.

Awards: Trophies will be awarded for the highest-scoring CLARA member and the highest-scoring Canadian YL non-member. Certificates will be awarded to the highest-scoring YL in each DX country, the highest-scoring associate OM, and the highest-scoring non-associate OM. All participants (including SWLs) who present a log will receive a 25th Anniversary CLARA certificate.

Send logs to CLARA Contest Manager Vicki Durance, VE7DKS, 2822 Pickford Rd, Victoria, BC V9B 5M1 no later than 1992 April 10. See you in the contest!



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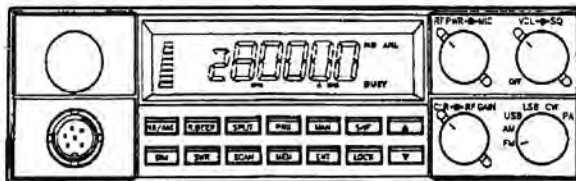
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The CRRL Field Organization Forum

NEW FIELD SERVICES MANAGER

Best wishes to Ken Oelke, VE6AFO, of Calgary, Alberta, who takes over from Jack Strangleman, VE3GV, as CRRL Field Services Manager. An active amateur, Ken has held many appointments in the CRRL Field Organization. He has a special interest in emergency communications.

A reminder to those who will be sending Ken reports and information for publication in *QST Canada*. Please continue to send these to the CRRL office in Arva, Ontario. Once the editor is done, they will be forwarded to Ken. Of course, questions, suggestions, and requests for materials are best sent directly to Ken. His address is 7136 Temple Drive NE, Calgary, AB T1Y 4E7, Tel (403) 280-5340.

REPORTS FOR DECEMBER 1991

Alberta: SM: Don Wilcox, VE6CG; STM: VE6AKY; SEC/TC: VE6AFO; OO: VE6TY. Hope everyone had a good Christmas. Best wishes for the New Year. HF band conditions improved during December, providing a much needed stimulus for amateur activity in Alberta. Let's hope these improved conditions hold up.

British Columbia: SM/SEC: Ernie Savage, VE7FB. British Columbia Public Service Net (BCPS, 3729 kHz) Manager Jim, VE7JN, reports December check-ins: high-217, low-122, total 5110. British Columbia Emergency Net (BCEN, 3652 kHz) Manager Ray, VE7BCL, reports 1231 December check-ins. In the last month of 1991, the BCEN broke all records for check-ins, and for traffic handled. Once again for the second time, Tom, VE7BNI, made Brass Pounder's League (BPL) with an outstanding score of 1110 for the month. New people are joining us all the time and trying their hand at traffic handling on CW. Much of the increase is in QTCs. BCEN is doing well. The SM has been helping Dennis, VE7DK, manager of the CRRL VE7 QSL Bureau, unload unclaimed QSL cards by originating messages that there are QSLs waiting. Bob Lindley, VE7BSI, EC for the Vernon Area, was awarded Ham of the Year by North Okanagan ARC for his many hours in organizing ARES and mock disaster exercises. Milo, VE7AP, is recuperating in hospital from hip surgery.

Manitoba: SM: Bill Crooks, VE4JR; ASM: VE4IX; STM: VE4STU; SEC: VE4PN; NMs: VE4AGH, VE4FP, VE4LB and VE4TE. I was out of the province over Christmas and New Year's and found I almost developed webbed feet while I was in Vancouver. There, they told me that at least they didn't have to shovel rain. I managed to check into some of the local 2-metre nets and was warmly welcomed. There, I learned of the passing of Jack Strangleman, VE3GV, our CRRL Field Services Manager. He will be missed by all of us. I received a note from Bruce, VE4BWA, about the Interlake SET held on December 29. There were three mobile units, the first consisting of Reid, VE4SP, and Gina, VE4NSU; the second of Paul, VE4AEY, and Louise, VE4PAQ; and the third of Peter, VE4PWO, and Ed, VE4CV. Bruce, VE4BWA, and Les, VE4LES, served as net control stations. Messages were passed in CRRL format,

Reports invited: CRRL Section Managers (SMs) and their Section-level assistants coordinate traffic handling, emergency communications and bulletin service across Canada. Your SM (name and address appears on page 2 of this *QST Canada*) welcomes reports of individual and club activities for publication in this column. Activities do not have to be related to the CRRL Field Organization or to CRRL.

and the mobiles were to proceed into Gimli to predetermined locations, using only the instructions passed on to them. VE4BWA's group plans to hold these SETs on a regular basis. Let's hope that other clubs make similar plans. They are good practice in being prepared for all sorts of emergency situations. I was glad to hear that it is not only the Amateur Radio fraternity that has problems with solar flares. In a recent *Omni* article, it was noted that homing pigeons have problems navigating during these events. The pigeons rely on the earth's magnetic field which is disrupted by the flares. The higher the latitude, the more pronounced this effect.

Maritimes-Newfoundland: Acting SM: Carl Anderson, VE1UU; STM: Mel Lever, VE1VX; BM: Brent Taylor, VE1JH. No report available. The Maritimes-Newfoundland Section does need a Section Manager. The duties are not onerous and the work is rewarding. Contact the Acting Section Manager or CRRL for details.

Ontario: SM: Larry Thivierge, VE3GT @ VE3WQ; BM: VE3GSA @ VE3JF; SEC: VE3GV; STM: VE3CYR @ VE3INF; TC: VE3EGO. Amateurs throughout the country were saddened to hear that Jack, VE3GV, CRRL's Field Services Manager and our Section Emergency Coordinator for the past 11 years, became a Silent Key. Jack, who had been ill for some time, was a very dedicated amateur who will be sorely missed by the entire Amateur Radio community, and in particular, by the League's Field Organization and ARES. 1991 year-end traffic statistics from our local and section net operations show 1957 sessions were held with 17,992 check-ins and 4424 pieces of formal traffic being handled in 23,151 minutes. During the recent Christmas rush, VE3KK earned what we believe is his 28th Brass Pounder's League with a traffic total of 873. I would like to take time and space here to extend my thanks and appreciation to our section cabinet members, leadership officials, emergency coordinators and other League appointees for the considerable time and dedication they donate serving Amateur Radio in the Ontario Section. For those stations who worked special-event station VG3W over the Remembrance Day period in November, and have had a problem with returned QSLs, please redirect your requests to VE3OVU, 35 Dumbarton St, Guelph, ON N1E 3T4, Doug and his crew regret the mixup at the post office. Responding to a police request for public assistance, 20 members of the Niagara Peninsula ARC spent one day searching unsuccessfully through hazardous terrain for a missing 14-year old girl. VE3GSA is quite pleased with his new FT-5200 dual bander. The VE3ULR Repeater Association is pleased to announce that the installation of the Baden Hill (Kitchener) link-repeater went very smoothly. The ULR system now has three link-hub repeaters. They are located at Baden Hill, Balentine and Cobourg. Kitchener-Waterloo ARC plans to link VE3KSR to the new Baden hub very soon. The VE3ULR system now provides coverage from London to east of Kingston for those mobile on Highway 401. Ottawa-area BBS

VE3JF was left on autopilot as Barry took a well deserved holiday to KH6-land. Congratulations to VE3GSA who has taken on Assistant SM duties. In a recent SET, all was going well until the script called for failure of the repeater. Participants found that without the repeater, it was much more difficult to maintain communications, and most traffic had to be relayed. The problem was overcome by replacing stations using hand-helds with mobile rigs that had a little more power and better antennas. Interesting, and food for thought! The executive of Sudbury ARC now consists of President—VE3CAN, Vice President—VE3SLG, Secretary—VE3CHA, Treasurer—VE3AC, and Bulletin Editor—VE3SGK. The section is in need of an SEC and an STM. If you are active in ARES and NTS activities, feel you are qualified and are interested, please contact me directly. By now, you know I have agreed to stay on for another term—my eighth. Your help and support will be greatly appreciated during the next two years.



Quebec: SM: Joe Unsworth, VE4ALE; STM: Jean, VE2ED; OBS: Garnett, VE2GOP. Some corrections to information in previous columns: VE2GOP is OBS, not BM, and VE2GWN should have been shown as VE2GWM. Visitors to Montreal during December included Steve, VE7AIO, and Phillip, VE2GFA/AA0BR/G0IMU who was looking for local amateurs interested in micros, OSCAR and EME work. N5SDX was also heard mobile. VE2s CAM, ED, IJ and NHL have made comments about our columns. This shows me that there are some amateurs in Quebec who read it! Sympathy to the Strangleman family on the passing of Jack, VE3GV, in early December. Edwin, VE3NWP, formerly VE2BHX, was taken very sick in Panama City on Christmas Day. VE2s ED, IJ, MFD and WED have been asked to send me, on a monthly basis, five to ten lines on amateur activity, to be included in this column. Your reports are also welcomed. Peter, VE2DIX, is back from Florida for Christmas and New Year's. He will return to snowbird land in January.

Saskatchewan: SM: Joan Lloyd, VE5JML. With sadness, I announce that Josie Murray, VE5QB of Gelnavon, and Lloyd Maywood, VE5EC of Moose Jaw, have become Silent Keys. Our best wishes to Bob, VE5FY, as he recovers from surgery. Nice to hear you on the air again! Children in Regina were able to talk to Santa Claus via Amateur Radio using the VE5XMAS special-event station operated from the Saskatchewan Science Centre. Congratulations to these new amateurs: VE5CEC, VE5CMF, VE5CRT, VE5DQ, VE5DRO, VE5ELF, VE5HAM, VE5HLT, VE5IVK, VE5JAB, VE5LEO, VE5MV, VE5NPD, VE5QQ, VE5RDR and VE5VAL. Here's wishing you good luck and lots of fun in your new hobby! Classes in Regina and Saskatoon are finished with 22 new amateurs in Regina and 13 in Saskatoon. Classes in other centres continue. Thanks to all instructors for donating their time and expertise to help increase the Saskatchewan amateur population. The total number of VE5 calls currently issued is about 1075. Keep up the good work, everyone. 73. ■


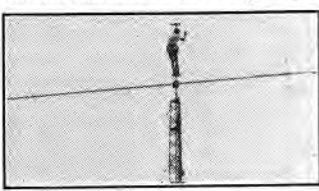
Talk to the World!

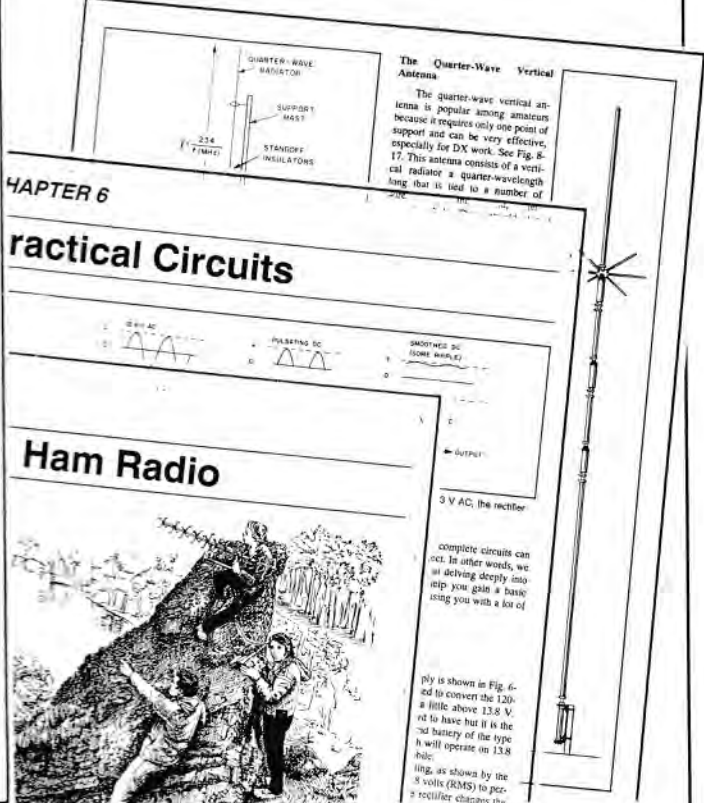
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Order from the CRRL Bookshelf in this month's QST Canada, or from your local Amateur Radio dealer.

The Canadian Radio Relay League
Box 56, Arva, ON N0M 1C0



50-MHz DXing—Poor Cousin to HF?

Many HF DX types poke fun at us VHF types whenever we get together. To them, HF DXing is the king of sports, with its monster antennas and big power.

Well the joke is on them, right? DXing at VHF requires the understanding of a variety of propagation phenomena, the ability to put up state of the art antenna systems, state-of-the-art receivers, and as much RF power as you can legally muster. No problem, right? Just mosey on down to your local Amateur Radio store and order up what you need: heliax, connectors, antennas, H-frames, preamps, multimode radios, and the rock crusher.

There is just one thing wrong here, of course. For VHF, you can't buy everything over the counter. As a matter of fact, some purists will argue that you have to build everything to be considered a true VHFer! The truth, of course, is somewhere in between. You do have to develop skills, understand your environment, be able to engineer (or dragoon some help to engineer) your system, and enjoy what you are doing. The end result is a feeling of satisfaction when everything works properly and you sit back after your moonbounce contact, or aurora contact and take pride in your accomplishment.

Many people say that they don't get into VHF because they can't find information on getting started, or that no one told them they could do things like moonbounce or aurora on VHF. With the flood of information available in the form of books, magazines, special bulletins, and so on, there really is no excuse! Judging by comments coming from the west, VHF DX-oriented multimode operations are starting to attract the newer amateurs. We welcome you and hope you continue to enjoy DXing above 50 MHz. To the old timers and HFers out there and everywhere, come on up and give it a try. You might get hooked!

FROM THE 50-MHZ DX BULLETIN

A 6-Metre Limerick for Cycle 22
by Chip Angle, N6CA

*While tuning six metres one day,
A strong station was heard to say:
Keep offa one-ten,
Cuz the DX is in.*

Keep your rag-chewin outa my way!

Remember, everyone, that the 6-metre DX window is 50.100–50.120 MHz. If you just want to make North American contacts, 50.125 MHz is the calling frequency. Once contact is established, move up the band to continue your QSOs, not down into the DX window. Also, don't call CQ DX in the DX window. It's just

for listening.

From Asiatic Russia, JG2BRI and JI1DLZ were in or near Vladivostok, operating as EK0JA. They showed up briefly on 28.885 MHz, but it was unknown if they worked anyone on six. Reportedly they were only allowed to operate on six during the 1800–2100 UTC, when local R-1 TV was silent.

VY2DCS is a new 6-metre op in Charlottetown, PEI. He is using a TS-690 and is looking for DX. Out in BC, Mike, VE7SKA, lists 11 stations active on six and mentions that the VE7UBC and VE7VHF clubs have 6-metre gear but no operating experience. Of course, all you do is turn on the rig, make some noise, and voila! DXpertise!

Apparently FP5HL in St. Pierre and Miquelon has a Swan 250 for six, but has not used it. Hopefully, Ron, VE1KM will be on six shortly from the islands. K3LVO writes that the US no-code license has brought a boom of 6-metre activity in the EN92 grid.

Look for Bolivian activity on six, now that CP6BY has been sent a mobile SSB rig. He and his XYL, CP6AK, plan to monitor the band 18 hours a day.

All amateurs in Estonia are now permitted to use 50 MHz. Maximum power



We don't know the name of the amateur in the foreground, but the 2-metre EME array in the background belongs to Ted Sparrow, VE3BQN of Elmville, Ontario. It puts out one big signal! (VE3CDM photo)

is 200 watts ERP, except in Tallinn area where it is 50 watts ERP. Frequency allocations are 50.0–50.5 MHz for CW, 50.1–50.5 MHz for SSB and 50.2–50.5 MHz for FM.

From Australia, VK4BRG is now running a solar-powered beacon on 50.0775 MHz. It puts 12 watts, 24 hours a day, into a wire vertical dipole. Grid locator is QG48.

The 3D2FJ beacon in Fiji has been on and off during the past few weeks because of transmitter problems. Frequency is 50.0842 MHz. During its first couple of days on the air, it was reported heard in Nova Scotia, Vermont, Columbia and Hawaii. Current power is 20 watts into a two-element bidirectional array.

Apparently nothing has been done to get a 6-metre rig to VE8QL. Rick would be exceedingly busy on six if he had some help. Does anyone out there have a serviceable rig to loan? If so, contact Rick as soon as possible.

The 50 MHz DX Bulletin is published Shel Remington, NI6E, Box 1222, Keaau, HI, 96749.

CANADIAN 6-METRE BEACONS

Beacons currently on the air include VO1ZA—50.040 MHz; VE7SIX—50.050 MHz, VE2TWO—50.0556 MHz, VE1MUF—50.0804 MHz, and VE2STL—50.086 MHz. Anyone planning or interested in operating a beacon station, please send information to CRRL's new Beacon/Repeater Database Team c/o Ken Oelke, VE6AFO. Information will be put into the correct format and forwarded to ARRL for inclusion in the ARRL Repeater Directory. Note that the directory now covers all of the western hemisphere (IARU/ITU Region 2) and includes bandplans, repeater frequencies, packet frequencies and beacon frequencies. Ken and his team are working hard to get the Canadian portion back into shape. Please help them to do this, as it is embarrassing to see our Canadian listings so out-of-date.

Speaking of 6-metre beacons, South Pickering ARC is building one. It will operate from one of the club's two repeater sites with ten watts into an omnidirectional antenna. More from 6-metre stalwart Ken, VE3FIT, as things develop.

ON THE BANDS

6 metres: Mike, VE1XDX, has sent quite an extensive report from down east. December 17, between 2057 and 2120 UTC, brought in Hawaii. NI6E/KH6, KH6HH, and KH6IAA were all worked,

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with KH6IAA peaking 10 dB over 9! December 19 brought EA8/DJ3OS at 1255 UTC. Unfortunately, EA8 does not officially permit 6-metre operations.

On December 20, between 1315 and 1515 UTC, Mike found the band wide open to P43FM, HC1BI, YV5ZZ, PZ1EL, HH7PV, YS1AG, and EA8/DJ3OS, all with "rock crushing signals". Mike went on to say that "...at about 1355 UTC, 4X1IF checked in on 28.885 MHz and said he was hearing some kind of beacon on six. It turned out to be the VOIZA beacon! Between 1400 and 1412 UTC 4X1IF proceeded to QSO VE1BVL, VE1YX, and VE1XDX for a new country." The 4X1IF QSO gave Mike the last one he needed for an IARU 6-Metre Worked All Continents Award (WAC).

The DX continued into 1992 with a strong European opening on January 9. Many UK stations were worked, as was OY9JD! The next day, Mike worked LA6HL and OY9DJ between 1530 and 1630 UTC. Then, between 1945 and 2130 UTC, the band opened west to W6/W7 and KH6.

January 11 brought a short but intense European opening with many Italian, Austrian and Slovenian stations. Contacts included I4XXC, I2JSB, YU3AN, YU3ES, YU3ZV, OE5OLL, OE5N3L, OE5PAM, DF7VX, DF7VO, and OK1DDO. Around 1740 UTC, Mike got a shock. FO5DR was 579 on 50.105 MHz. Mike heard him for 30 minutes. FO stations worked many stations throughout North America on that day.

From Quebec, Gaston, VE2GFS, wrote that on December 4, Bernie, VE2LC, a member of CRRL's VHF/UHF Advisory Committee, gave a six-metre presentation at the University of Sherbrooke. Apparently Bernie did a first-rate job, because he is now the star of a 6-metre video. Let's hope we hear more and more VE2 6-metre SSB activity soon.

From Winnipeg, Bruce, VE4KQ, writes that he likes the contest certificates offered by the Toronto VHF Society ARC (VE3ONT), and that recently, he has been quite active on six. On January 11 at 1526 UTC, he found the band open to KP4 and Martinique. At 1454 he heard KP2A and worked TI2NA. By 1642, TI2NA was pinning his S-meter. The DX to the Caribbean continued until 1700 when it shifted northwest to K7ICW in Nevada. At 1728, Bruce was hearing FO8FR on Clipperton Island on 50.104 CW—and an immense pile up. The next day, Bruce picked up some new countries, working CO2KK, YS1AG, TG9AG, 6Y5IC, and ZF1GO. Bruce mentioned that this was the biggest and most interesting opening he experienced during Cycle 22. Bruce's 6-metre country total stands at 37 worked. He already holds 6-Metre WAC.

144 MHz: Activity continues to build on 2-metre SSB. Activity was high during

the January VHF Sweepstakes, and Bob, VE3RKK of Branchton, Ontario noted that with his two Cushcraft Boomers and 160 watts, he was very popular. Incidentally, tentative contest results place him at the top of the list on 2 metres, edging out Dennis, VE3ASO! Sorry, Dennis...

902 MHz and up: Kevin, VE3KDH, is now QRV on 33 cm with 10 watts and a loop yagi. In recent tests, he found signals from the Rochester (NY) gang to be absolutely solid. Kevin says they were just out of the noise on 1296 MHz, but 10 over 9 on 903 MHz. What a difference 400 MHz makes. The 902-MHz 33-cm band is a real gem. Too bad more Canadians aren't ready to use it!

There is a move afoot to get more activity on 33-cm and 13-cm SSB. Dick, VE3FAC, and the Toronto VHF Society are looking for amateurs interested in bulk ordering transverter kits from Down East Microwave. Drop VE3FAC a line for details.

On 1296 MHz, Dick, VE3FAC, and Bob, VE3FVW, continue to work on their stations. Dick is very close to being QRV with a water-cooled amplifier using a 2C39 triode. Currently, he is running 18 watts to four loop-yagis. Incidentally, Bob, VE3FVW, recently gave us a great presentation on painting front panels. Look for a QST article in the near future.

From Winnipeg, Barry, VE4MA, wrote to say that he had a great time on EME, after changing QTHs and setting up his new station. During the November 1991 EME Contest, he worked F2TU, SM0PYP, W4HHK, and OK1KIR on 2304 MHz. On November 24, he worked F1ELL (for initial contact no. 64), ZS6AXT, OE9ERC, SM4DHN, SM6CKU, IN3HER, DL9EBL, SM0PYP, EA3UM, WB0TEM, K9KFR, SM3HKW, WD5AGO, OZ4MM, HB9BM, OE5JFL, OK1KIR, G3LTF, AA6BI (for initial contact no. 65 and state no. 17), I4JED and K4QIF—all on 1296 MHz! Barry also mentioned that he has 35 watts going on 3456 MHz using a 7289. Barry expects to be QRV on 3456-MHz EME soon.

In the journal of the Rochester (NY) VHF Group, Dave, KD5RO, presented an excellent article on using Traveling Wave Tubes (TWTs) to generate large amounts of RF on the higher bands. TWTs certainly are available at many flea markets in the US, and can serve as the key elements in a successful microwave station.

MICROWAVE UPDATE

If you are looking for the latest information about microwave communication, get a copy of the 1991 Microwave Conference *Proceedings*. It is filled with details of antennas, transverters and much more for the bands above 450 MHz. Barry, VE4MA, attended the conference this year, presented a paper, and spoke highly of the calibre of topics being discussed by

the amateurs who attended from all over the world.

42ND ANNUAL VHF "DO"

The 42nd Annual VHF "Do" came off well, thanks to the hospitality of Clarke, VE3WCB, and his XYL, Betty. Some 20 amateurs ventured out for the meeting, including Brent, VE6BAS, the son of VHFer VE6BCC! Brent says he will be on six soon from his new QTH in Oakville. Among the new faces at the "do" were Tedd, VE3TJD, and John, VE3SJV, both of Baden, Ontario, and Jock, VE3DJ, and his XYL from Ancaster. I don't know when I've had a better time, eating sandwiches, visiting, and eyeing some pretty interesting homebrew gear, including VE3SMA's 3456-MHz station complete with yagi, and VE3FAC and VE3FVW's 1296-MHz gear. The next get together will be at VE3WCB's in early July. That will be the *post mortem* for the June VHF QSO party. Thanks to Bob, VE3BFM of Sinclabs, for mailing the notices, and to Kevin, VE3KDH, and Peter, VE3VD, for producing the Toronto VHF Society contest certificates.

ARRL SPRING SPRINTS

Well it seems that we just get over the January Sweepstakes, and now we rush headlong into Spring Sprints. Let's see lots on Canadians in there throughout April. Remember, these are four-hour mini contests that run on a single night of the week, one night per band. For log sheets and entry forms, drop a note to ARRL, 225 Main St, Newington, CT, 06111, USA. See you in the sprints! ■

Report—continued from page 9

the form of a written request containing the date and the amount of the donation. These requests can be mailed to Defence of Amateur Radio Fund Trust c/o Tim Ellam, VE6SH, 107 Strathearn Rise SW, Calgary, AB T3H 1R5.

3. The balance of the trust shall remain in place and be used to fund a Canadian amateur who will serve on the DOC team at the World Administrative Conference that will be held in 1993 (WARC-93). While the date of this conference has not yet been firmly established, we do know that this WARC will deal primarily with the HF frequencies.

The Trustees are bitterly disappointed that a Canadian amateur delegate was not appointed to the DOC WARC-92 team, but remain confident that the foregoing represents a fair proposal to those who contributed to the fund. —John Perkins, VE1FH; Robert Benson, Q.C., VE2VW; Tim Ellam, VE6SH; Colin Dumbrille, VE7FZQ: Trustees, Defence of Amateur Radio Fund Trust ■

Canadian Emergency Preparedness College

Canada is fortunate in having a well equipped, federally funded college devoted to a single objective: education and training in emergency preparedness. The college is located in Armprior, Ontario, on the Ottawa River some 63 km west of Ottawa. College facilities include a conference hall and several lecture and discussion rooms, all well equipped with audio-visual and other equipment. Students sleep and eat on campus. There are comfortable dormitories and dining facilities. There is even a recreation hall with games and exercise equipment.

A multitude of courses, eight of them five days in length, are conducted by Emergency Preparedness Canada (EPC). Topics covered include Exercise Design, Emergency Site Management and Emergency Public Information. Of particular interest to ARES is the course on Emergency Communications which was presented three times last year. According to the course calendar, "The purpose of this course is to impart to the Emergency Communications Manager an understanding of the planning and operational factors affecting municipal emergency communications. This course is structured to provide the participant with an understanding of how to conduct communications needs analysis, how to develop a communications plan, how to plan for communications training, how to exercise the communications plan, and finally, how to manage a municipal emergency communications system."

Last November, 13 of the 50 students enrolled in the Emergency Communications and the Exercise Design Courses, held in the same week, were amateurs. They appeared, clustered around the College's coat of arms in the photo that appeared in the "Happenings" column in last month's *QST Canada*. Check back and have a look. It was a truly representative gathering, with amateurs from across the country. Not shown in the photo, but involved by helping with the instruction, were four amateurs from the Ottawa area: Chuck Baker, VE3PAP; Art Binnie, VE3MJZ; Frank Grant, VE3FT, and Chuck King, VE3PDK. We congratulate those who took a week to go to Armprior and learn how they may better serve their fellow citizens in time of disaster.

Persons wishing to take any of the EPC courses should apply to the emergency agency in their province or territory. All reasonable travel and living expenses, as well as tuition are paid by EPC. The courses are well planned and professionally presented. Students gain a

new awareness of what is involved in being really prepared to handle an emergency. I can speak from first-hand experi-

ence, having taken two EPC courses myself. My thanks to Clay Doty, VE5AAA, who provided last month's

Field Organization Reports December 1991

CRRL Section Emergency Coordinator Reports

Reports were received from the following SECs (DECs and ECs reporting to SECs are listed in brackets) denoting a total ARES membership of 1141.

Reporting	ARES Members
VE3GT (VE3s AFP, LPM, OVV)	622
VE4JR	56
VE6AFO	306
VE7HJS (VE7BSL)	157

CRRL Section Traffic Manager Reports

Call	Orig	Rcvd	Sent	Divd	Total
VE1BTV	0	32	30	0	62
VE1YS	0	12	21	0	33
VE1DLC	3	10	1	8	22
VE1VAR	6	6	6	0	18
VE1ALU	1	3	2	1	7
VE2ED	5	27	7	17	56
VE2ALE	0	14	17	4	35
VE2GOP	0	3	2	2	7
VE3KK	358	75	375	65	873
VE3ORN	4	211	189	49	453
VE3DVE	1	86	99	14	200
VE3GNW	0	89	93	0	182
VE3AAU	12	79	68	8	167
VE3CYR	0	101	56	2	159
VE3GT	1	48	63	0	112
VE3AJN	1	62	41	2	106
VE3BDM	1	41	57	1	100
VE3WV	3	30	17	6	56
VE3NVJ	0	18	21	3	42
VE3LPM	1	17	14	9	41
VE3MNI	3	8	24	2	37
VE3FS	1	15	17	0	33
VE3SB	0	16	13	1	30
VE3DBG	0	5	13	6	24
VE3GKB	4	3	6	8	21
VE3CVK	1	5	12	2	20
VE3K CZ	2	5	4	2	13
VE3EUI	0	3	8	0	11
VE3BAJ	0	1	7	0	8
VE4JR	6	22	18	4	50
VE4FP	2	19	13	7	41
VE4STU	0	27	5	9	41
VE5KZ	7	64	56	7	133
VE5JML	0	7	0	0	7
VE6XG	35	49	42	17	143
VE6CE	11	41	19	16	87
VE6CHK	6	16	9	6	37
VE6GUS	10	10	10	2	32
VE6AKY	6	2	6	1	15
VE6ABC	0	7	7	0	14
VE6CHT	0	0	2	2	4
VE7BNI	113	409	525	63	1100
VE7CCJ	11	148	144	6	309
VE7ANG	0	180	160	5	345
VE7FAZ	0	129	128	5	262
VE7XA	1	82	75	45	203
VE7BCL	9	113	48	29	199
VE7FB	0	12	120	1	133
VE7FLY	24	33	61	13	131
VE7BZI	19	27	19	27	92
VE7OM	3	44	34	6	87
VE7EJU	0	34	31	2	67
VE7FRZ	14	18	26	4	62
VE7DFX	9	13	16	10	48
VE7GKA	4	20	15	7	46
VE7BCF	1	23	5	0	29
VE7EGM	1	17	6	4	28

Call	Orig	Rcvd	Sent	Divd	Total
VE7WI	1	20	2	5	28
VE7VO	0	15	10	1	26
VE7CZW	0	17	7	0	24
VE7DJ	0	14	1	1	16
VE7FVJ	0	13	0	0	13
VE7ALV	2	6	0	0	8

National Traffic System

Net (Mgr)	Sess	QNI	QTC
QSN (VE2ED)	15	70	9
KTN (VE3AJN)	13	96	23
NPN (VE3NDI)	31	539	76
OLN (VE3POJ)	30	709	45
OPN (VE3AJN)	31	635	410
OQN-1 (VE3GSQ)	23	32	89
OQN-D (VE3ORN)	28	97	132
OQN-E (VE3CYR)	29	106	114
OQN-L (VE3GSQ)	30	49	66
MMWX (VE4IX)	31	28	486
SEPN (VE5CJ)	29	1438	18
APSN (VE6AKY)	31	1113	27
BCEN (VE7BCL)	31	1231	1056

Brass Pounders' League

This listing is available to amateurs who report to their SM a traffic total of 500 or a sum of originations and delivery points of 100 or more for any calendar month. All messages must be handled on amateur frequencies, using standard ARRL-CRRL form, within 48 hours of receipt.

BPL: VE3KK, VE7BNI

Public Service Honour Roll

(1991 Revision) This listing is available to amateurs whose public service performance during the month indicated qualifies for 70 or more points in the following eight categories (as reported to their SM). Please note maximum points for each category: (1) Checking into a public service net using any mode, 1 point each, maximum 60; (2) Acting as a Net Control Station (NCS) for a public service net using any mode, 3 points each time, maximum 24; (3) Performing assigned liaison between public service nets, 3 points each time, maximum 24; (4) delivering a formal message to a third party, 1 point each, no maximum; (5) Originating a formal message from a third party, 1 point each, no maximum; (6) Serving as a CRRL SM or field appointee, 10 points for each office or appointment, maximum 30; (7) Participating in a communications network for a public service event, 10 points each event, no maximum; and (8) Providing and maintaining an automated digital system that handles messages in standard ARRL-CRRL format, 30 points. Amateurs who qualify for Public Service Honour Roll 12 consecutive months, or 18 months out of a 24-month period, will be awarded a special certificate.

PSHR: VE3ORN (211), VE3GSQ (128), VE3CYR (127), VE2ED (114), VE3GT (112), VE3BDM (103), VE3FS (91), VE4STU (77), VE3LPM (74), VE3GNW (72)

Service and Specialized Nets

Independent Net Managers: Your monthly reports are welcomed. Send to CRRL, Box 7009, Station E, London, ON N5Y 4J9.

Net (Mgr)	Sess	QNI	QTC
CRRL ONTARS (VE3FQV)	31	11012	0
Trans-Provincial (VE3EUI)	31	10904	35
Aurora 1 (VE4AHG)	30	1640	26
Aurora 2 (VE4FP)	31	1757	2
Prairie WX (VE5EX)	31	850	0
Sask 2-Metre (VE5HG)	30	690	0
Sask ARES (VE5FY)	5	217	1
Alberta ARES (VE6AKY)	8	325	6

photo and some of the background material about the College.

PEEL ARES ASSISTS IN SEARCH

While the primary mission of ARES is to provide backup communications for other services, there are times when our members can give other types of assistance. Such was the case last June when assistance was provided in the search for a missing child north west of Toronto. Vic, VE3FOX reports on this incident:

"Keith, VE3HHA, who was camping at Terra Cotta Conservation Area with a group of Boy Scouts, became aware of the search for the youngster who had been missing most of the day. After receiving a request from the conservation area supervisor for assistance, Keith informed me of the situation and I put out a call on the VE3PRC repeater for volunteers to aid in the search. Concurrently, VE3OD asked Halton-area amateurs to provide assistance as well. By 6:30 p.m., 12 amateurs were on their way to the search area.

"Not knowing the extent of the search, we put out a second call for a crew to be put on standby. This resulted in ten more amateurs ready to assist. Bill, VE3FS, called in from the Orangeville area to say that they had been monitoring and had an additional ten amateurs ready to join the search if needed.

"Upon arrival at the command post in

the centre of the park, a station was set up near the conservation area people, the Ontario Provincial Police and the Halton police. Members of each group, along with scouting personnel, were given areas to search. Everything was coordinated by radio.

"As it grew darker, it was decided to hold a meeting at 9:30 p.m. to determine what course of action to take. All searchers would be recalled, so that they would not get lost and add to the problem. A police helicopter with infrared equipment would be called in to assist. Fortunately, at 9:00 p.m., the youngster was found, and all search efforts were discontinued. Amateurs on standby were informed of the outcome and told to stand down. The boy was taken to hospital for examination and was found to be in good health.

"Subsequent discussions with the authorities showed that they were very impressed with the organization and efforts of the amateurs. There is no doubt that our success in assisting with this search can be directly attributed to planning and exercises conducted by ARES members in the past".

VE7BSL RECOGNIZED

Bob Lindley, VE7BSL, was recently presented recently with the "Ham of the Year" award of the North Okanagan

Radio Amateur Club. Bob is EC for the Vernon ARES group, some of whose accomplishments were described in our December column. Much of the credit for the effective handling of communications for that rattlesnake bite incident goes to Bob and his work in developing a top-quality ARES group. Bob is also the Vernon Search and Rescue Liaison, and he was instrumental in helping nine Search and Rescue members obtain Amateur Radio licences.

We'll have a photo of Bob next month. Congratulations, Bob, and keep up the good work!—Bob Boyd, VE3SV

We welcome submissions for this column. Photos are particularly welcome. Photos taken in vertical format will be considered for the QST Canada cover.

This column appears in both The Canadian Amateur and in QST Canada. We hope it serves as an ongoing source of news and information about ARES for members of both CRRL and CARF.

A reminder that ARES is part of the CRRL Field Organization, although you do not have to be a CRRL member to take part. For more information about how to set up an ARES group, contact your CRRL Section Manager (address appears on page 3 of this QST Canada) or your CRRL Section Emergency Coordinator.—Editor

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Consider the **benefits** and join **CRRL** today! You'll receive **QST Canada** and **QST** (either or both) monthly journals, and **free CRRL Outgoing QSL Service**. Your membership supports many important services to Canadian Amateur Radio: **representation to DOC** and other government agencies, **representation to IARU** (so important as we prepare for WARC-92), the Field Organization (**NTS, ARES, OBS**) for public service, the **incoming QSL bureau system**, and much, much more.

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Total amount enclosed (add cost of membership, monthly journals and any GST):	_____	_____

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