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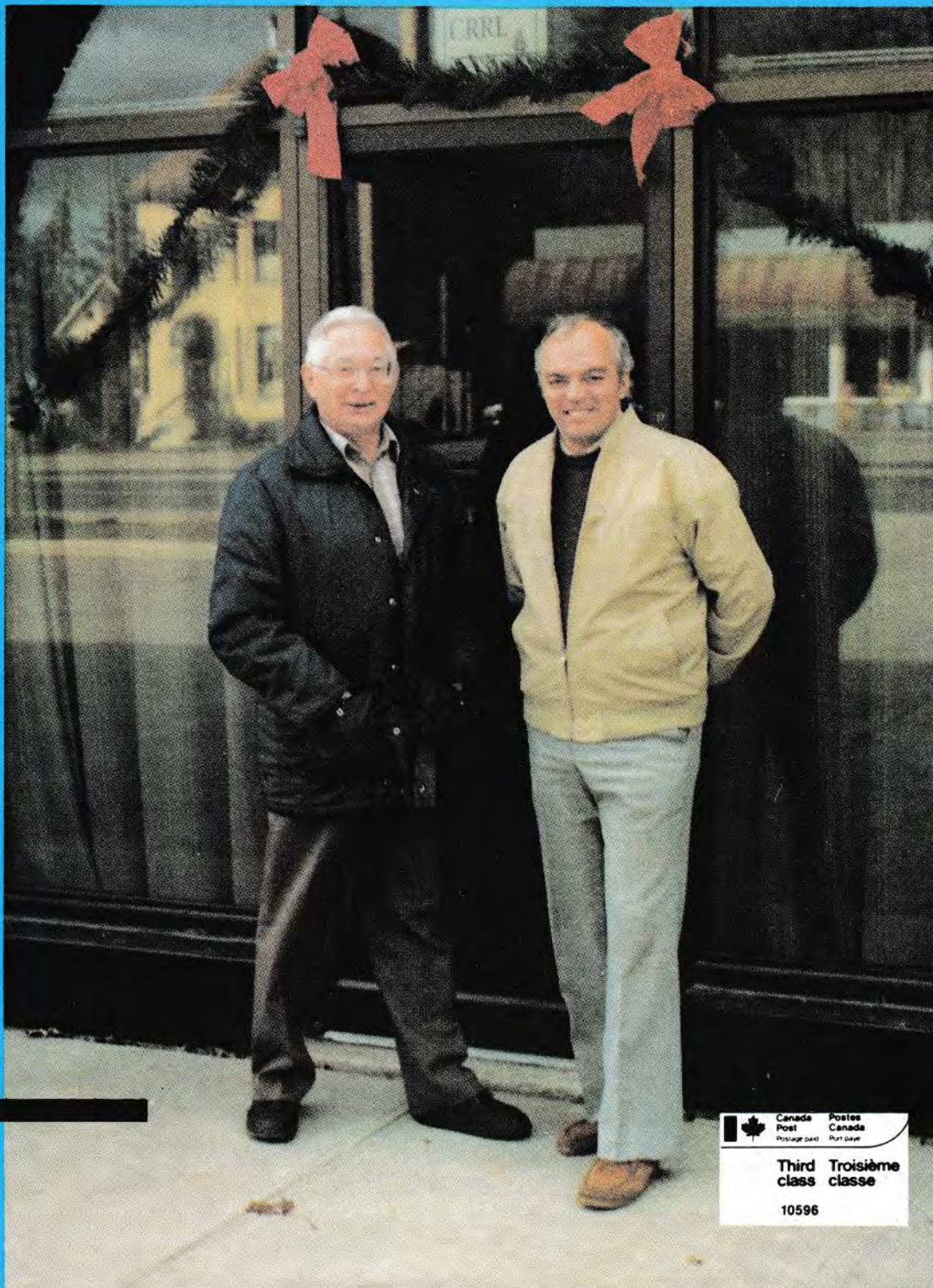
CANADA


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W8JK**

**RAC
Update**

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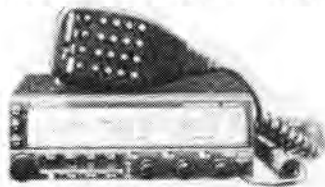


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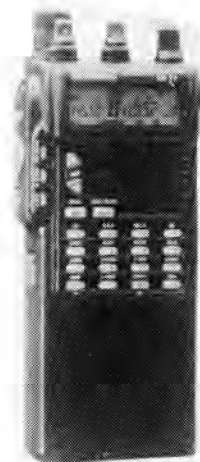
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Staff

Harry MacLean, VE3GRO
Editor

Bob Boyd, VE3SV, Garry Hammond, VE3XN, George Murphy, VE3ERP, Ray Perrin, VE3FN, Dana Shtun, VE3DSS, William Skidmore, VE3AUI, Ray Staines, VE3ZJ, Jack Strangleman, VE3GV
Contributing Editors

Ray Staines, VE3ZJ
General Manager

Keith Bentley, VE3DHL
148 Donhill Cr, Box 96
Kleinburg, ON L0J 1C0 (416) 893-1984
Advertising Manager

LaserGraphics
Linotronic Output
WEBCO Division of Bowes Publishers, Ltd
Printing and Distribution

CRRL Office

2025 Richmond Street
Box 56
Arva, ON N0M 1C0
(519) 660-1200

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ABOUT THE COVER



Best wishes for a happy holiday season from CRRL General Manager Ray Staines, VE3ZJ, CRRL President Bruce Balla, VE2QO, and all your CRRL reps and workers from coast to coast. May 1992 be your best year ever. ■

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

Amateur Radio Marches On...

1991 was a good year for Canadian Amateur Radio. Restructuring brought record numbers of new amateurs into the Canadian Amateur Service. Deregulation of mode subbands did not cause the chaos that some amateurs feared. Despite loss of 220-222 MHz south of the border, our 220-225-MHz band remained intact. Great strides were made towards creating a new, single Canadian Amateur organization: Radio Amateurs of/du Canada (RAC), and we're well prepared for

WARC-92 with a clear set of goals and good people ready to help realize them.

All this being so and with the holiday season upon us, it's time to indulge in a bit of nostalgia. The cartoons below were drawn by Phil Gildersleeve, W1CJD. They first appeared in 1934 May QST. We hope that newcomers who may not yet be familiar with the history or traditions of Amateur Radio will enjoy them. Then, as now, "Amateur Radio Marches On".
—Harry MacLean, VE3GRO ■



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.

RAC OFFICIAL NAME

In the joint CRRL-CARF bulletin dated 1991 November 1, it was noted that the name of the new, single Canadian Amateur Radio organization would be Radio Amateurs of/du Canada, Inc.

On its old letterhead in the 1970s, RAQI had the same style. They had to change it to Radio Amateur du Québec, Inc./Radio Amateurs of Quebec.

It is much more aesthetic and acceptable to have the corporate name fully written out correctly in each official language than to try to combine the names in a linguistic form which is only more or

less appropriate and will probably raise criticism from "square heads" in "both solitudes", hi.

Having lived through this in those "glorious years" of the past, I just wanted to underline this to you and let you profit from my experience when I was a board member of RAQI. —Gilles Parrot, VE2OU, Ste-Foy, PQ

NO. 3 WIRELESS SCHOOL

Here is a copy of a photo I took in the early 1940s at No. 3 Wireless School, Winnipeg, Manitoba [the photo appears on page 15 of this *QST Canada*]. Air

training was done at the RCAF base at Stephenson Field, and we used Tiger Moths and Fleet Forts. You can see how our radio equipment was crowded into the tiny rear cockpit of the Moth.

I have no trace of LAC Felton shown in the photo. I don't know if he graduated or survived the war.

I'll bet a lot of WO/AGs will recognize the setup, but I'm wondering how many students or former instructors can recall the actual equipment being used. The receiver on the left is shown being tuned, and the transmitter is on the right.

I wonder if any of this equipment ever made it into RCAF museums and the like. I'm also wondering of there has ever been a reunion of No. 3 Wireless School, or if a reunion is being planned for the future.

Keep up the good work. I'm pleased with the upcoming merger of CRRL and CARF. —Ron Beaton, VE3EBY, R. R. 1 Belle River, ON NOR 1A0, Tel (519) 979-8458

The Calendar listing of hamfests and Amateur Radio fleamarkets that usually appears below will resume next month.

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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(403) 248-5614

British Columbia: Ernest Savage, VE7FB
4553 West 12th Ave, Vancouver, BC V6R 2R4
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(204) 837-9509

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(514) 455-2448

Saskatchewan: Joan Lloyd, VE5JML
1655 Garnet Street, Regina, SK S4T 2Z1
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Staff

General Manager: Raymond Staines, VE3ZJ
Field Services Manager: Jack Strangleman, VE3GV
512 Pinetree Ave, London, ON N6H 3N1
(519) 471-2301

Awards Manager: Garry Hammond, VE3XN
5 McLaren Ave, Listowel, ON N4W 3K1
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Central Incoming QSL Bureau Manager:
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Box 56, Arva, ON N0M 1C0

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*Voting member, CRRL Board of Directors

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: Homebrew 3CX800A7 2-metre amplifier. Used very little. Design out of *ARRL Handbook*. Complete with power supply and cabinet. Uses 110 Vac. Offers! Andrew Kozlowski, 18 Cambrian Dr, Kenora, ON P9N 4A3, Tel (807) 468-6300.

FOR SALE: TS-140S, new in carton: \$850. TS-830S: \$575. Also wanted: HF linear. Must be good. Roly Burley, Box 194, Bridgenorth, ON K0L 1H0.

FOR SALE: Ten-Tec Paragon, Ten-Tec Hercules Amplifier, Ten-Tec tuner, all rack mounted: \$3700. Gordon Watt, VE4IF, 23 Mackie Bay, Winnipeg, MB R2Y 1V8, Tel (204) 885-6361 or 889-2990.

WANTED: Yeasu FTV-700 V/UHF transverter. Jim Bailey, VE7HXR, Box 837, Penticton, BC V2A 6Z4, Tel (604) 493-4163.

FOR SALE: Trylon 56-foot tower, Garant GB-33DX beam, Emotator 105SX rotor and 70 metres Andres LDF2-50 heliax and rotor cable. Complete package new cost over \$3500. Sell for \$2000, you disassemble and remove, or \$2500 ready for pick up in Belleville, Ontario. Emil Adamyk, VE3DLS, Tel (613) 969-1465, (813) 756-9081 after December 1.

JEHOVAH'S WITNESSES: Amateurs, SWLs: please send full details and telephone number to Bob Ellis, Box 7349, Winter Haven, FL 33883-7349.

Al's W8JK

The almost true story of an antenna...

By William Skidmore, VE3AU1
R. R. 1
Hyde Park, ON N0M 1Z0

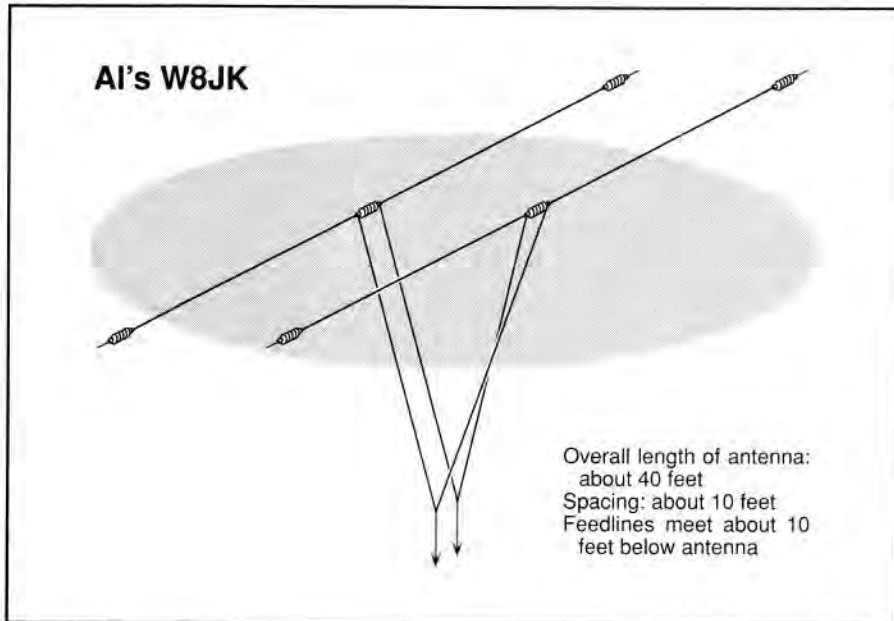
This is the story of how Al finally got up a decent antenna. It's rather a long story, not all of which will make it into these pages. We all know how these things work. Putting up an antenna is not simply an effort in design or engineering. Antennas are only made to appear in this light in articles in *QST* where the owner of the 25-dB steerable dish describes how logically and efficiently it all was arranged. There will be none of that here. The facts are quite different. We might as well start at the beginning.

Several weeks ago I put up an W8JK. Now, if you don't know what one looks like you might not appreciate the full importance of what I am about to relate. A W8JK *looks right*. It looks like an antenna of the 1930s, which is what it is. All big stations fifty or sixty years ago used antennas like rhombics, sterbas and W8JKs. These antennas have class. In fact, W8JKs can snub almost anything for pure art-deco nostalgic class. Two closely spaced wire elements hanging between bamboo spreaders and fed with six-inch open feed line, one line with a half twist in it: these antennas are just too romantic for words. If you make one using authentic porcelain insulators and feeder transposition blocks, take it from me: there is nothing that can touch an W8JK for perfect looks.

Well, I put one up, and then I invited Al over to view my masterpiece. My W8JK is not up very high and it's slung over my barn at a funny angle, but it still looks pretty good. Al fell in love with it the moment he saw it. This, in antenna articles, is called The Design Stage. The amateur in this stage decides what antenna he or she is going to erect. Al finished The Design Stage for his antenna right away. He had to have an 8JK.

Here the matter rested for several days. After the first blush of enthusiasm subsides, you have to do something about building your design dream. Then the realities start to hit home. This always takes a little while, during which you tell yourself you will do the job someday or when the weather is better or when there is a lull in your schedule. It is more fun to dream than to suffer the setbacks and confusion that most antenna projects involve.

I phoned Al a few times, but he put me off and we drifted onto other things. The project was almost forgotten. But, one Saturday, at about three o'clock, I hap-



Al's W8JK. Spreaders have been omitted for clarity. Conventional insulators are shown rather than those described in the text. The antenna is bidirectional, perpendicular to the dipoles.

pened to be at Al's place and antenna fever hit. His wife was away for the day, the kids were gone, and the weather was only drizzling a light rain. Al had just finished off a couple of beers. Perfect antenna conditions. We got right into it.

Now, I have to stop here and tell you about Al's location. He lives right in the middle of town. Maybe this is unkind, but he has a bad location for ham radio. I'll tell the truth. Al has a rotten location. His land is the lowest in town. The only thing lower is the surface of the river that runs past the far end of his backyard. The whole yard is flood plain, just inches above the water. You can see we're not talking hilltop here. In every direction it's up from Al's back yard. It's even up to his front yard. In the spring, Al's yard floods. Eighteen inches of water does give him a good ground. The flood plain runs back 100 feet from the river to a cliff, which is where people like Al build their houses.

To say that Al lives on a cliff sounds like an exaggeration, but really, his is the only lot I've ever seen that has a fire escape installed so you can get to the barbecue at the back door. Al's done a lot with railroad ties and gravel, hoping to hold back the inevitable landslide, and his house is unique: one storey at the front five stories at the back. It probably took a

ton of dynamite to blow out enough rock for the foundations.

These lots are highly sought after and Al thinks himself fortunate to have one. The design of his house avoided an encroachment on his neighbours' properties, but left his antenna possibilities strictly limited. Al could not get a wire past either side of his house without going into a neighbour's air space. And his neighbours are not that keen on Amateur Radio or Amateur Radio antennas. To the east, there's a suspicious old lady rumoured to strap on a Colt 45 at sundown and unchain her German Shepherds. On the west, there's an environmentalist who lives in a solar-heated replica of a prairie mud hut with wild flowers growing on the sod roof. Neither of these worthies would want to allow something as ugly or obtrusive as a piece of wire hanging over their property. The back yard was the only place where Al could put up an antenna.

Al has had a couple of antennas in his back yard. I must tell you that Al is a sort of a perfectionist. When he is in the mood to do something right, he can be really fastidious about it. He has had a trap inverted-V. This was an example of Al in his perfectionist mood. The support was made of straight-grained lumber ordered

from BC and shipped to him on a flat car. Twenty-one coats of zinc and feldspar varnish were applied to protect it. Eight cubic yards of concrete, measured with a laser to make sure it was right, held up this support. In any other yard this stick would be impressive and would do a great job. But I told you about Al's lot. This was the only inverted-V I ever saw where the coax ran down from the shack to the feedpoint.

Then there was the long wire. Every ham has used a long wire and Al's was pretty typical. It was a piece of wire he occasionally hooked to the back of his transmatch and draped across the room at neck level. It exited via the patio doors and crossed the patio which is few feet of rock cut into the cliff. From there, it went around his bird feeder, twice for support, and then as far into a tree as an overweight middle-aged man with two beers in him could throw a rock and six pounds of Copperweld. I doubt if this long wire had much directivity, but it did work, receiving Voice of America, BBC and 500-kW stations like that. Now and then Al still loads up this long wire and manages to work a station or two. He feeds the wire "Marconi style", against an aluminum lawn chair for ground. When Al needs more capacity to ground, he gets someone to sit in the chair. At least that's what he told me.

Back to the W8JK. As we said, the time was perfect and the fever had struck. The trouble was that Al was in one of his perfectionist moods. He started babbling about measurements and formulas. Before long, he had run off to fetch a tape measure and a calculator.

It was starting to get dusk, and with the drizzle, we simply didn't have time for measurements. While Al was off searching for formulas, I cut the antenna wires. This was pretty easy. Obviously they could not be longer than the back yard, so that took care of one design criteria. Still, they ought to be as long as possible. So I paced off the distance from the tree by the river to the tree by the patio and divided by two. By the time Al came back with a couple of beers, but without his formulas, the wires were all cut. So far, so good.

Then we hit a snag. No insulators. A W8JK needs good insulators. It needs a minimum of six. Twelve would even be better. The only thing we could think of using was the necks of beer bottles. We dropped everything and drove off to beer store to stock up on insulators. It was a quick trip, and in almost no time, with the two of us working at it, we had twelve bottle-neck insulators. We put the wires through the insulators. We were ready to hook up the feed line.

Feeding a W8JK is simplicity itself. You just make up two equal lengths of open wire feed line and connect the

lengths so one has a half twist in it. This gives you the 180-degree phase difference you need between the two radiators. After making all our insulators, this was not as easy as it might sound. We finally got the wires to lie straight by sticking them between the boards of a picnic table. That was pretty scientific if the table had boards of the same length on both of its sides, which we're sure it had.

Al had a few old-time feeder spreaders around. We used these for holding the feed wires apart. This made a wonderful looking job, but we had trouble getting the half twist. Whenever we thought the one feed line was twisted, one of us would sight down along it. It seemed to swim out of focus and we were not perfectly sure we had it right. We laid it on the ground. We twisted one end halfway over, and then got on our hands and knees at opposite ends of the feeders. We crawled toward each other holding the wires. We thought that if our hands crossed at some point on this journey the one feeders was indeed transposed and we could hook our feeders to the radiating elements. This process was foolproof. We got our feeders crossed.

Next came the tricky job of soldering everything together. There was a delay until almost dark because Al couldn't find his soldering stuff. I could hear loud talk from the house, where I presumed he was accusing his son of leaving tools lying around. Eventually the soldering iron turned up, neatly packed away in its tin box where Al had not thought to look because in the past, Al never kept it there.

All soldered and ready. Now it was time to attach the antenna to the spreaders. Spreaders are out of fashion in Amateur Radio antenna installations these days. The idea here was to keep the two wires of the W8JK a fixed distance apart by stringing them from a spreader at each end. To the spreaders, we tied a yoke. The yokes were attached to halyards that would run to our antenna supports.

What we really did was make a wire and bamboo box approximately the size of Al's house on its foundation. If you think this had a little play in it, and was a little hard to get just right so one wire didn't sag, and so the whole thing hung flat when we pulled it into position, you're correct. All of that and more. We fiddled with each yoke for quite a while, Al at one end and me at the other. Every time he took a little bit out of one side, I had to compensate at my end. The weight of the feeders made a difference, and somehow we had more insulators on one side than on the other, so the whole thing was unbalanced to begin with. In true Amateur Radio spirit, we carried on and eventually got everything right.

On to the finish. Here was the most daunting task of all: how to get two halyards over two trees at each end of Al's

cavernous yard, in the dusky light and in the rain, while the effects of insulator construction were still very much with us. Obviously, a bow and arrow technique was called for. Heroic William Tell sends an arrow sailing over the highest part of a great oak, carrying with it a thin line which is used to pull up a rope—the halyard to which you attach the antenna. In actual practice, it was not so heroic. Al had about fifty trees in his back yard, all of which intermingled overhead in a friendly way at heights of a few feet off the ground up to fifty feet up or so. Our hero had to get his arrow up through this jungle, over the correct tree branch. Hardest of all, he had to get the arrow to fall down again so the line could be reached from the ground. Usually, only the first 50–60 percent of this process occurs, leaving the arrow dangling just high enough above the ground to be inaccessible with the longest pole you can find that might bring it down. This is what happened to us, taking out several hundred feet of fishing line with it.

We needed a heavier arrow. A little more weight would exert a greater pull earthward on the downward leg of the trip over the tree. For a few minutes we were stumped. Then Al spied his old two-metre collinear array nearly submerged beneath the boat dock at the back of his yard. In a flash he had one of the reflectors off—a piece of aluminum rod, some three-sixteenth inch thick and straight as a die. This missile weighed about four times as much as my wooden arrow, and would serve our purpose admirably. William Tell once again took aim, and the former two-metre reflector towed the fishing line down—fifty feet out into the river. We used Al's canoe to paddle to where the string disappeared beneath the waves.

After a short hiatus in which we went back to the house for dry clothes, we hauled up the rope and made our way to the other end of the yard. Here, a similar adventure eventually resulted in a second halyard over a tree.

Finally, the big moment. Al at one end of the yard, me at the other. We gave the signal. Pull. Up it went. What a beautiful sight! That W8JK looked just like it was supposed to look, and it hung only a little crooked. It was better looking than mine. As quickly as we could, we tied off the halyards and stood back to admire our evening's work. It was next to impossible. It was now almost completely dark. All we could get was an occasional glimpse as car headlights illuminated the antenna every few seconds.

Sensible people would have taken a break, rounded up all the tools and called it a day. None of that for us. We strung out the feeder and took it through the open patio door halfway up the cliff where Al's

Al's W8JK—continued on page 15

Creation of RAC Moves Ahead

Representatives of the CRRL and CARF including members of the CARF-CRRL Merger Committee and core members of the CRRL and CARF executives met in Kingston, Ontario, on Sunday, October 27, to continue work on creation of a new, single Canadian Amateur Radio organization. Discussion centered on the legal requirements for dissolution of the two existing organizations, an upcoming vote by CARF and CRRL members on this question, the constitution and by-laws of the new organization, the amalgamation of office operations and the creation of a detailed time line for next steps. The latter assumes a favourable outcome of the vote by members. It is now expected that the new organization, to be called Radio Amateurs of/du Canada (RAC) will be in place by mid-to-late 1992.

TOM ATKINS, VE3CDM: 1991 AMATEUR OF THE YEAR

□ The CRRL Executive Committee is pleased to announce that Tom Atkins, VE3CDM, is 1991 CRRL Amateur of the Year. Tom's work is well known to Canadian amateurs. He was a founding director of both CARF and CRRL. At various times, he served as president of the Radio Society of Ontario, Canadian director of ARRL, and president of CRRL. It was under Tom's leadership that CRRL became totally independent with its own headquarters office in London, Ontario. It was under Tom's leadership that CRRL entered into negotiations with CARF to create a new, single, Canadian Amateur Radio organization. At present, Tom is secretary of IARU Region 2 and member of the IARU World Administrative Council that will be defending our amateur frequencies at WARC-92. This is not the first year in which Tom was nominated for Amateur of the Year. In the past, however, Tom was a CRRL officer and could not accept the award. Recognition became long overdue. Congratulations then, to Tom Atkins, VE3CDM, 1991 CRRL Amateur of the Year, for his many years of service on behalf of Amateur Radio in Canada and around the world.

ACROSS THE COUNTRY

□ Members of West Island Amateur Radio Club (Quebec) made over 5500 contacts in 105 countries during their recent CY9CWI DXpedition to St. Paul Island on the east coast of Canada.

□ Because special prefixes are now assigned by district and regional offices of DOC, and because not all district and regional offices of DOC make a point of



8A1IARU operated throughout the 8th IARU Region 3 Conference, held in Bandung, Indonesia on October 5-15. Tom Atkins, VE3CDM attended as representative of IARU Region 2 and member of the worldwide IARU Administrative Council. (Card courtesy VE3CDM)

informing CRRL and CARF about these prefixes, CRRL and CARF often do not learn about a particular prefix until it is quite late. To commemorate the 75th Anniversary of the National Research Council of Canada, Canadian amateurs are able to use the following special prefixes from October 20 until December 20: XN1-XN8 in VE1-VE8, XO1-2 in VO1-2, and VX1-2 in VY1-2. VX9 may be used by VY9, special DOC club stations located across the country. Also, Manitoba amateurs are able to use the special prefix VY4 from November 22 until December 8, reason not known.

□ To commemorate the 500th Anniversary of the Discovery of America by Columbus (actually, that should be "rediscovery"—the native people were here first and there were many European contacts with North America before Columbus, notably the Vikings who settled in Newfoundland for a short period around 1000 A.D.), Canadian amateurs may use the following special prefixes from 1992 January 1 until 1992 February 29: VC1-8 in VE1-8, CY1-2 in VO1-2, and CZ1-2 in VY1-2. CZ9 may be used by VY9, special DOC club stations found across the country. And to commemorate the 150th Anniversary of the Geological Survey of Canada, Canadian amateurs may use the following special prefixes from 1992 March 1 until 1992 April 30: VG1-8 in VE1-8, XJ1-2 in VO1-2, and CG1-2 in VY1-2. CG9 may be used by VY9, special DOC club stations.

□ A reminder to all CRRL members in the Maritimes-Newfoundland and Ontario Sections: Nominations for the office of Section Manager are open until December 6. Submitting a nomination is a special responsibility of those involved in NTS, ARES and other Section activities. For full details on how to nominate, see 1991 October *QST Canada*.

SOUTH OF THE BORDER

□ Conflicting versions of a speech given by FCC Private Radio Bureau Chief Ralph Haller at the ARRL National Convention held in Saginaw, Michigan, have led some US amateurs to believe that FCC plans to condone certain types of "business communications" on the amateur bands. While FCC is looking for ways to relax its rules to give amateurs more flexibility in providing public service communications, rules against "business communications"—communications for hire, communications for one's employer or one's own business, or any communications where the operator has a monetary interest—remain firmly in place.

□ ARRL continues to press FCC for amateur access to the 216-220-MHz band to help offset the recent loss of 220-222 MHz. If access is granted, amateurs will use the new band for fixed links and possibly some packet operation. Amateurs would be secondary users and operation would be granted only on a non-interference basis. That would mean careful fre-

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CA-1243Z	446 / 1200 MHz BASE / RPTR. 9.4 / 12.8 DBd 7'5" (N)	\$ 169.00
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quency coordination. 216-220 MHz is currently used by the US Maritime Mobile Service. There are also a small number of Fixed and Mobile assignments on this band.

INPUT NEEDED FOR ARRL REPEATER DIRECTORY

☐ Attention, repeater frequency coordinators and repeater owners: deadline for submitting updates and changes for the 1992-1993 *ARRL Repeater Directory* is 1991 December 31. Apparently this date is not negotiable. Once the publication enters the production phase, it is impossible to make last-minute changes, no matter how compelling the reasons might be. Submit all information to Jay Mabey, NUØX, Editor, *ARRL Repeater Directory*, 225 Main Street, Newington, Connecticut 06111 USA.

IARU-WARC UPDATES

☐ The IARU World Administrative Council met in conjunction with the IARU Region 3 Conference held in Bandung, Indonesia. At this meeting, IARU summarized its position with regard to WARC-92. The four main points: 1) Changes in allocations to other services should not result in a reduction of the usefulness of the limited spectrum now allocated to the Amateur Service, 2) the Amateur Service absolutely requires a worldwide 300-kHz exclusive allocation in the vicinity of 7 MHz, 3) new allocations for a sound broadcasting satellite service and new mobile and mobile-satellite services in the range 500-3000 MHz should not involve new sharing with the Amateur Service, and 4) the present amateur satellite bands, including 435-438 MHz, must be considered off-limits to new services. Tom Atkins, VE3CDM, serves on the IARU World Administrative Council.

☐ Looking for a program idea for your next club meeting? A reminder that CRRL International Affairs Vice President George Spencer, VE3AGS, and Bruce St. George, VE5ZN, have produced a slide show—complete with script on cassette tape—about WARC-92. The slide show explains the role of ITU over the years and tells how frequency allocations are made. It also explains the role of IARU at past WARC's and at WARC-92. You can borrow this slide show without charge. Just contact your nearest CRRL director (list appears on page 2 of this *QST Canada*), VE3AGS or VE5ZN.

☐ The next IARU Region 2 General Assembly will be held in Curacao, Netherlands Antilles, on 1992 August 31-September 4. The next IARU Region 1 General Assembly will be held in Belgium in 1993.

NOTES FROM ALL OVER

☐ On November 3, Kuwait Amateur Radio Society announced a special oper-

ating award to mark the extinguishing of the last oil well set on fire by the Iraqi army retreating from Kuwait. To qualify for this award, amateurs were required to contact any three Kuwait stations during November 6-10. Unfortunately, because of the short lead time, many amateurs did not hear about this award until it was too late. Kuwait Amateur Radio Society may extend the operating period for the award. If they do, look for stations with the special 9K0 prefix on all HF bands.

☐ After 12 years of work by the Bangladesh Amateur Radio League, Bangladesh is back on the air. Licences for S21A and S21B were issued on October 5. More licences are expected to be issued shortly.

☐ Sergi, U5MIR, aboard the Soviet space

station MIR, was quite active during September and October. He expects to be joined by a number of Austrian cosmonauts soon. If you haven't been listening in, try it. Voice and packet operation, usually on 145.55 MHz, can easily be monitored on a handheld transceiver using a "rubber-ducky" antenna. A ten-watt base station using a small yagi will put you in line for a two-way contact.

☐ CHU, the National Research Council standard-frequency and -time station, has modified its format again. During voice announcements, between 51 and 59 seconds, the familiar second "beeps" have been replaced by second "ticks". CHU, located just outside of Ottawa, may be heard using upper sideband with full carrier on 3.330, 7.335 and 14.670 MHz. ■



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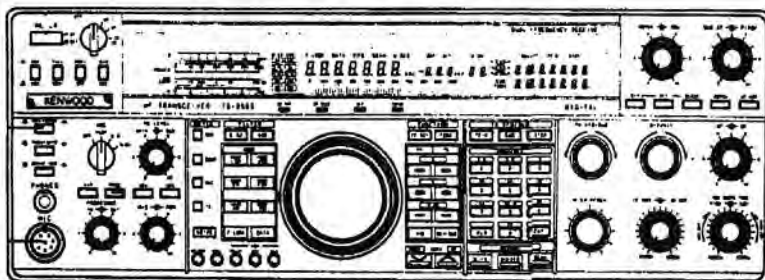
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REPORTS FOR SEPTEMBER 1991

Alberta: SM: Don Wilcox, VE6CG; STM: VE6AKY; SEC/TC: VE6AFO; OO: VE6TY. The annual Red Deer Picnic on June 15-16 was very well attended. Calgary, Edmonton and Red Deer were the largest clubs represented. Many smaller clubs were also represented. My apologies for not having names handy at this time. July 17 found members of Calgary ARA at an elevation of 9700 feet installing VE6HWY which I believe is the highest repeater in Canada. It covers a large area around Lake Louise and operates on 147.33 MHz (+). The repeater runs off a bank of batteries which are kept charged by a solar panel. At the beginning of August, Doug Howard, VE6CID, went to the top of Plateau Mountain at 8300 feet and installed VE6RMT. VE6RMT covers a large section of southern Alberta and down into parts of Montana, and operates on 147.36 MHz (+). Hats off to VE6CID and the rest of the club members who helped with both of these major projects. Finally, best wishes for the upcoming holiday season.

British Columbia: SM/SEC: Ernie Savage, VE7FB. British Columbia Public Service Net (BCPS, 3729 kHz): Net Manager Jim, VE7JN, reports September check-ins: high—195, low—161, total—4819. British Columbia Emergency Net (BCEN, 3652 kHz) Net Manager Ray, VE7BCL, reports 924 September check-ins. BCEN did have a very good month full of activity with more check-ins and more traffic. Several new members have joined this net and we are looking forward to many good months ahead. Please remember that on the net, the speed limit is 10 wpm. Your SM and A/SM (that's our son James) attended the Ham Happening in Sidney. It was a full house. The door prize was a Yaesu FT-411E handheld. We knew we would enjoy meeting friends, but we never thought we would win the handheld! Thanks to all for a good time at the Ham Happening. Merry Christmas and Happy New Year to all.

Manitoba: SM: Bill Crooks, VE4JR; A/SM: VE4IX; STM: VE4JA, SEC: VE4PN; NMs: VE4AHG, VE4LB, VE4IX, VE4TE. On the afternoon of September 28, near the town of Oakbank, a simulated railway accident caused a tank car loaded with anhydrous ammonia to rupture. Dave, Manitoba SEC, called the simulated emergency test (SET) to order. There was an evacuation of the surrounding area. Emergency communications were set up in the EMO trailer, and contacts were made with stations in Winnipeg and other centres in Ontario and BC. A number of messages were passed on HF, VHF and packet, as well as on ATV. Thanks go to Dave, VE4PN, and John, VE4ADS, Allen, VE4AKM, Rick, VE4AMU, Al, VE4AS, Keith, VE4BC, Ray, VE4CAQ, Harvey, VE4CK, Bill, VE4CRO, Dianne, VE4DI, Jim, VE4FK, Keith, VE4JKR, Lillian, VE4LIL, Jim, VE4MT, Tom, VE4SE, Rod, VE4TM, Bill, VE4WF, Wayne, VE4WR, and Bill, VE4WU (I hope I didn't forget anyone). Again, we all learn from our mistakes. It was strange to have evacuees scheduled to go to Beausejour somehow ending up in Winnipeg—at least according to some of the traffic that was passed! More on this SET from Dave in a later report. HF communications are starting to get back to normal, but the occasional solar flare and magnetic storm still causes havoc. The Pow-Wow Club has started up again on 3.750 MHz, and it is good to hear stations checking in from the east coast to the west coast, with the odd check-in from the UK, now that we're past

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.

the summer QRN. I just received the first issue of the *Interlake Airwaves Newsletter* edited by Bruce, VE4BWO. It has many items of interest. There will be many more interesting features if everyone supplies Bruce with their news and views. Keep up the good work, Bruce! Merry Christmas and Happy New Year to all.

Maritimes-Newfoundland: Acting SM: Carl Anderson, VE1UU; STM: Mel Lever, VE1VX; BM: Brent Taylor, VE1JH. No report available.

Ontario: Acting SM: Larry Thivierge, VE3GT @ VE3WQ; BM: VE3GSA @ VE3JF; SEC: VE3GV; STM: VE3CYR @ VE3NF; TC: VE3EGO. After five years in sunny California, the terrible trio has been reunited: VE3AWE returns and takes up residence in Nobleton. Terry will be a welcome addition to the Ontario NTS traffic scene. The VE3OSQ BBS located in Almonte now has a full-service user port operational on 144.97 MHz. VE3CYR continues to enjoy mobile CW in his new car complete with HF and VHF rigs. VE3GT has two new amateurs in his family. In addition to sons VE3HFV and VE3LOM, daughter Lynn and son-in-law Dean in London were issued with call signs VE3LLY and VE3DRQ respectively. A sizeable donation was received from 62 CRRL Life Members who elected to contribute the balance of their refund for *QST Canada* to the Defence of Amateur Radio Fund. At the end of September, that fund stood at \$19,691.82. Ottawa ARC held another successful fleamarket. It was good to see some "old faces" there like VE3AM, VE3AUM, VE3BAJ, VE3CGD, VE3CLX, VE3FN, VE3GSA, VE3JKM, VE3JRO, and VE3XJ, and also meet some new ones including VE3LC, VE3OSD, VE3YOU, and VE3YYY. The Upper Ottawa Valley boasts 25 new amateurs. The CRRL's VUAC is dedicated to upholding the principles of gentlemanly conduct on our VHF-UHF bands via band planning. VUAC further acts as a problem-solving group for the CRRL Board. They are not repeater coordinators, but they do develop band plans and operating practices for all modes including FM and packet. VUAC acts as an interface between you, the CRRL member and DOC on areas of policy and operations that affect all of us above 50 MHz. It also supplies input to ARRL's VUAC. VUAC Ontario members include VE3DSS who serves as chairman, VE3VD, VE3CRU, VE3MWM, VE3BFM and VE3GYQ. Other VUAC members are spread across Canada. VE2VQ advises that there are now 13 amateur satellites in orbit, including Soviet, European and Japanese satellites with two being in high elliptical orbit. By the end of September, the VE3XDX PacketCluster in Metcalfe, in operation since May, had 788 spots from 173 countries reported by 65 people. Links to Toronto, Rochester and the Montreal area are in the works. ZA1A and others operating from Albania have caused quite a stir on the bands. Hope you were able to work them for a new country. On behalf of the Ontario Section field organization, may I extend to each and every one of you the compliments of the holiday season with best wishes for the new year, 1992.

Quebec: SM: Joe Unsworth, VE2ALE; STM:

VE2ED; BM: VE2GOP. The following supplied communications for safety checkpoints for Club Équestre les Forestiers at Centre Plain Air in Cedars, Quebec, with great success: Club station VE2LZR with VE2s ALE, EXC, GFO, KN, and WED. Ross, VE2WY, now has a WAZ certificate endorsed for 10, 15 and 20 metres, and is now trying for the same on 40 and 80 metres. Steve, VE2ESV, has started the VE2RM edition of the QR Net on 2 metres, 147.00 MHz (-), on Mondays at 1900 local time, and now has as many as 30 stations on roll call. Union Métropolitain des Sans Filistes (VE2UMS) et WIARC (VE2CWI) ont participé chez l'exposition des loisirs de Montréal le 12, 13 et 14 octobre avec beaucoup d'intérêt de la publique. Jean-Serge, VE2ED, vais repartir le reséau QSN le 2 novembre à 19:30 heures normal de l'est. VE2s BMQ and DM covered 400 square kilometres in a foxhunt that located a 144.030-MHz locked-on TNC that blocked the Montreal LAN. It appears that the same station had a similar problem two months before. Il y a plusieurs postes bienvole de libre pour le section de Québec, et si vous êtes membre LCRA (CRRL) et voudrais avoir une de ces postes, SVP de contacte VE2ALE. Andrew, VE2WHO, spent JOTA weekend at Boy Scout camp north of Montreal at Taramacouta using an Argonaut 509. George, VE2LI, after many years of VHF-UHF satellite work, is now dipping into packet radio. En écoutant le 75 metre le fin de semaine de JOTA, plusieurs stations, on était actif. Il est demande plus de participation des VE2s aux réseau QR net à 19:30, 3.775 MHz tous les soirs de la semaine. There was a very good turnout at the Côte St-Luc Hamfest. Main topic of interest at the October Montreal ARC meeting was the presentation of the VE2CWI-CY9CWI DXpedition to St Paul Island by VE2s DAV, OL and PTT. VE2OL is doing a fine job with the swap net on the VE2CWI repeater, 146.91 MHz (-) on Sunday evenings. Don't forget about the weekly ARES Canada Net on 14.115 MHz, every Sunday afternoon at 2000 UTC. Garry, VE2GWN, who underwent surgery in the last week of October, is now doing fine. YO3AR, who lives in Paris, France, was in Montreal in October and bought himself a IC-751A and a Hy-Gain 12-AVQ. Merry Christmas and Happy New Year to all.

Saskatchewan: SM: Joan Lloyd, VE5JML. Fall is here again and antenna projects are on the go with a number of new towers making their appearance. The Allen Hills repeater, VE5AHR, is up and running, providing excellent coverage of central Saskatchewan on 147.33 MHz (+). Amateur Radio classes begin in Saskatoon on October 3. A number of enthusiastic students in Regina have already begun classes. For those wishing to brush up on their CW skills, code practice on Thursday evenings will begin on the first week of November, 0200-0230 UTC on 3.735 Mhz. Thanks to some 30 Regina and area amateurs who handled traffic and directed and scored launches at the Hot Air Balloon Rally held in Regina on September 20-22. Fine job, fellows. Sadly, I report the passing of Dr Robert Wright, VE5MD, on September 30. Best wishes to all for a happy holiday season. ■

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shack was located. We scraped the insulation off the end of the feeder and attached the feeder to the transmatch.

Now the question. Would the W8JK load? The W8JK wanted to take power but the controls of the transmatch were right at the ends of their travel and the SWR was still five to one. We reflected on how John Krauss, W8JK, would have handled this problem. We decided that a stub in parallel with the feed line would help tune out some of the reactance. Open or closed stub? How long? We didn't know. Open was easier to make, so we tried that first. We hit the right length. The W8JK loaded up like gangbusters.

Did the W8JK work? The truth, remember, nothing but the truth. No nonsense about dB gain over a dipole, and no textbook patterns. The facts are simply these: in actual comparisons with the long wire and inverted-V on 20, 15 and 10 metres, the W8JK was better in almost all directions than anything else Al had used to date. That statement may sound rash and not much of a recommendation after what I've told you about Al's location, but consider the achievement. Five dollar's worth of materials and a dozen bottles of beer now make it possible for Al to raise stations he was never able to raise before. Now, with the W8JK, Al often hears that line so beloved by amateurs: "You're five and nine here, Old Man". What more does life have to offer?

This is a true story except perhaps for the beer parts. Names have been changed to protect the innocent. Al and I had enormous fun doing all this. Perhaps it sounds like a couple of middle-aged boy scouts wasting time when we could have been off doing good somewhere, but in the building, in the experimenting and in the results was the true spirit of Amateur Radio.

Actual dimensions of Al's antenna: approximately 40 feet long overall with

Strays/Méli-Mélo



FELTON TUNING UP



Do you recognize "Felton 'Tuning Up'"? How about the equipment? This photo was taken in the early 1940s at No. 3 Wireless School, Winnipeg, Manitoba. Read VE3EBY's letter on page 2 of this *QST Canada*. (Photo courtesy VE3EBY)

WE NEED YOUR HELP

Please check the mailing label on the cover of this magazine. If you are licensed, your call sign should appear after your name. If it does not, we would like to know. Please tell us the seven-digit number on your mailing label, and the call sign we are missing. Send this information to CRRL, Box 56, Arva, ON N0M 1C0. —Ray Staines, VE3ZJ ■

approximately 10 feet between the radiating elements. Feedlines from the radiating elements were joined about 10 feet below the antenna. One feedline had a half twist in it as shown in the diagram. The open stub at the transmatch was approximately 7 feet long. You may not need a stub, or you may need one that's a different length or one that's shorted. Every installation will be different.

A W8JK is bi-directional, theoretically providing up to 5 dB gain at right angles to the radiating elements. In recent comparisons with a vertical, the vertical was an S-unit better with signals from certain directions. With signals from other directions, Al's W8JK often had a five S-unit advantage over the vertical. The W8JK is easy to build and tune. It's an antenna definitely worth having. ■

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Update: Defence of Amateur Radio Fund

The Defence of Amateur Radio Fund (DARF) was established to help IARU defend our amateur frequencies at WARC-92. DARF thanks the following CRRL Life Members who contributed their *QST Canada* refund to DARF: VE1AOE, VE1CAF, VE1OC, VE1VCP, VY2CE, VE2ALE, VE2BQF, VE2CH, VE2DEW, VE2HN, VE2XC, VE3ACB, VE3BKB, VE3CDM, VE3DVE, VE3EDR, VE3EZU, VE3FGV, VE3HKT, VE3HUK, VE3ICX, VE3IR, VE3LIV, VE3LRT, VE3LWT, VE3MDM, VE3MV, VE3NFK, VE3NN, VE3OUY, VE3PS, VE3QF, VE3RO, VE3SU, VE3WV, VE3YV, VE3YZ, VE3ZU, VE5KG, VE5LQ, VE5RC, VE5RS, VE5VL, VE6AFO, VE6KY, VE6MZ, VE6ZI, VE7AWJ, VE7BSF, VE7CJF, VE7CLG, VE7GLL, VE7GS, VE7GZQ, VE7SU, VE7WG and VE7ZA. DARF also thanks the following for recent contributions: Kingston ARC; Ernest Barth, VE1BKY (previously listed incorrectly); John Perkins, VE1FH; Albert Wilson, VE1OBH; Robert Benson, VE2VW; Ralph Cameron, VE3BBM; Tim Ellam, VE6SH, and Colin Dumbrielle, VE7FZQ.

As of 1991 October 17, the fund stood at \$20,317. If you have not yet contributed, please mail your cheque to DARF c/o Tim Ellam, VE6SH, 107 Strathearn Rise SW, Calgary, AB T3H 1R5. ■



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The Emergency Coordinator

This month we turn the spotlight on the EC, the Emergency Coordinator, the person in charge of the ARES group. Jean Priestley, KA2YKN, writing in *Worldradio*, reflects on her work:

"What drives a person to take on responsibilities that bring no weekly paycheck, where you pay your own expenses and have none of the usual benefits? A few know the answer to this question. Some can even supply many reasons. Others cannot fathom why we do it. Why do I do it? I can answer that question by simply stating that I feel there is a pressing need. Still, for personal reasons, it goes much deeper.

"I was just seven years old when our home was nearly lost to a fire. The memory of that night will live with me forever. As a result of that experience, I feel a strong need to help organize dedicated amateurs willing to help other people.

"Two years ago someone had enough faith in me to appoint me Emergency Coordinator for my county. Now, I have faith in those who work with me. As a new Emergency Coordinator, I found many situations unfamiliar, but there was always a seasoned amateur willing to offer advice. I found it was all worth the effort when I saw the smiles on the faces of the people we were out there to protect. Many stopped to say thank-you. Thus, the bottom line for me is the very special pride I feel in the work we accomplish through our ARES activities.

"The first months of our new county Amateur Radio Emergency Service were slow but fruitful. I saw progress both in terms of growth and interest. Emergency Coordinators don't come prepackaged. We grow and develop with the people who sign on. I still don't know everything and I am not ashamed to admit it. But I do know how to seek out the best people and employ their talents. Although most of our activities are fun, we know that any day or night we could be called on to assist in a real emergency. Much of our experience from our activities—along with related topics discussed on the nets and any information we glean on our own—will serve to prepare us for whatever type of emergency we might encounter. We cannot be too well prepared.

"Reflecting on the last couple of years, I realize that my life has been enriched by my work as an EC. If you are contemplating taking on this job, don't worry that it might become too time consuming. Instead, look forward to the rewards that will be realized. I have never regretted volunteering."

Duties of the EC

The *Emergency Coordinators Manual*, published by ARRL, is a comprehensive handbook covering all aspects of emergency communications. Here, with some minor editing, is what the *Manual* has to say about the duties and responsibilities of the EC:

✓ Promote and enhance the activities of the Amateur Radio Emergency Service for the benefit of the public as a voluntary, non-commercial communications service.

✓ Manage and coordinate the training, organization and emergency participation of interested amateurs working in support

Field Organization Reports September 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 1132.

Reporting	ARES Members
VE3GV	622
VE4JR	56
VE6AFO	306
VE7FB	148

CRRL Section Traffic Manager Reports

Call	Orig	Rcvd	Sent	Divd	Total
VE1DLC	3	21	4	16	44
VE1BTV	0	14	14	0	28
VE1YS	0	8	11	0	19
VE1ALU	2	6	7	1	16
VE3GT	0	67	64	2	133
VE3GSQ	0	55	47	0	102
VE3GNW	0	41	48	0	89
VE3CYR	1	57	7	4	69
VE3DVE	0	22	36	0	58
VE3AJN	0	33	20	0	53
VE3LPM	1	20	16	11	48
VE3WV	0	35	7	1	43
VE3K CZ	2	12	4	10	28
VE3BDM	0	11	13	3	27
VE3KXB	1	9	10	1	21
VE3NVJ	1	7	12	0	20
VE3DBG	6	2	6	2	16
VE3SB	0	5	10	1	16
VE3BAJ	2	2	4	2	10
VE4FP	0	61	78	8	147
VE4JR	0	35	14	3	52
VE4STU	0	31	7	2	39
VE5KZ	5	44	41	2	92
VE5JML	0	6	0	1	7
VE6CE	13	16	15	5	49
VE6XG	0	20	15	13	48
VE6GUS	3	15	15	0	33
VE6ABC	0	4	5	5	10
VE6AKY	4	3	3	3	13
VE6GIL	1	4	16	1	22
VE7BNI	26	163	258	22	469
VE7BCL	0	72	37	21	130
VE7FAZ	0	53	57	2	112
VE7ANG	3	50	37	5	95
VE7CCJ	7	42	32	7	88
VE7XA	0	22	33	3	58
VE7FME	0	25	15	5	45
VE7OM	3	20	21	0	44
VE7BZI	6	16	6	16	44
VE7EGM	3	12	0	7	22
VE7VO	0	12	7	0	19
VE7GKA	0	15	1	0	16
VE7CZW	0	11	3	0	14
VE7SR	0	9	4	0	13
VE7FB	1	4	3	2	10
VE7ALV	1	7	2	0	10
VE7BCF	0	6	2	0	8
VE7FVG	0	7	1	0	8
VE7WI	0	1	3	0	4

National Traffic System

Net (Mgr)	Sess	QNI	QTC
APN (VE1YS)	26	111	n/a
KTN (VE3AJN)	12	106	96
OLN (VE3POJ)	24	514	19
OPN (VE3AJN)	30	585	131
OQN-D (VE3ORN)	26	52	20
OQN-E (VE3CYR)	30	92	79
OQN-L (VE3GSQ)	25	29	12
MEPN (VE4LB)	30	855	24
MMWX (VE4TE)	29	329	21
MTN (VE4IX)	13	57	4
APSN (VE6AKY)	30	778	4
BCEN (VE7CBL)	30	924	432

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: None this month.

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 from CRRL Headquarters.

PSHR: VE3GT (129), VE3CYR (126), VE3GNW (104), VE4LB (101), VE4STU (77), VE3BDM (74)

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
ARES Canada (VE3GV)	4	126	0
CRRL ONTARS (VE3FQV)	30	9853	0
Grey-Bruce (VE3WV)	30	92	16
Grey-Bruce SS (VE3WV)	30	95	15
Aurora-1 (VE4AHG)	29	1050	2
Aurora-2 (VE4FP)	26	1235	0
ARES Saskatchewan (VE5FY)	5	165	0
Saskatchewan 2m (VE5HG)	30	900	0
ARES Alberta (VE6AKY)	8	297	6

of the communities, agencies or functions being served.

✓ Establish an emergency communications plan for the communities and agencies that will effectively utilize ARES members to cover their needs for tactical and formal message traffic.

✓ Establish a viable working relationship with all governmental and private agencies in the ARES jurisdictional area which might need the services of ARES in emergencies.

✓ Establish local communications networks run on a regular basis, and periodically test those networks by realistic drills.

✓ Establish an emergency traffic plan, with welfare traffic included, utilizing the National Traffic System as one active component for traffic handling.

✓ In time of disaster, evaluate the communications needs of the jurisdiction and respond quickly to those needs. The EC will assume authority and responsibility for emergency response and performance by ARES personnel under his jurisdiction.

✓ Additional duties and responsibilities of the EC should include:

Planning

1. Draft brief, specific ARES plans to fulfill community needs for emergency communications.

2. Develop training programs for members as needed.

3. Develop, implement and maintain a current telephone tree for use in alerting and activating ARES members in emergencies.

4. Establish regular meetings of ARES members to plan programs and drills and to accomplish specific goals.

5. Develop a local ARES operating manual to include all essential operating aids and reference information. Update the manual annually.

Organizing

1. Appoint Assistant Emergency Coordinators and assign to them functions and/or agencies within the jurisdictional area.

2. Maintain current information on all ARES members. Record special skills and equipment useful in emergencies. Issue ARES identification cards and cancel when appropriate.

3. Establish and foster radio nets as required to maintain an active ARES unit, develop capable net control stations, and disseminate news and bulletins of value to the members.

Coordinating

1. Establish effective liaison between ARES and local radio clubs and repeater associations.

2. Coordinate and cooperate with Emergency Coordinators of adjacent areas.

3. Act as principal representative from ARES to area coordinating councils of volunteer emergency response teams.

4. Arrange for effective liaison and active cooperation with operators of the National Traffic System for incoming and outgoing traffic during both normal and emergency conditions.

5. If it does not already exist, develop and organize an emergency planning committee of all agencies that would be involved in a disaster in your jurisdiction.

Communicating

1. Prepare EC bulletins and releases to issue on radio nets and at meetings to keep ARES members and amateurs in general informed of ARES matters.

2. Conduct periodic meetings in person and on the air for the purpose of developing close coordination and a free exchange of information among ARES members.

3. Contact heads of agencies to be served to determine requirements and methods of introducing Amateur radio into their operations. Communicate such plans to all ARES members.

4. Provide user agencies with current information for alerting or activating ARES.

5. Check into local and section nets regularly, to be accessible to the membership and aware of their participation, to keep members informed and support their efforts, and to provide special bulletins of interest to members.

6. Following operations or exercises, provide prompt verbal and written reports and critiques to user agencies and ARES members.

Duties Delegated to A/ECs

As an EC, you may appoint as many Assistant Emergency Coordinators (A/ECs) as you need to provide additional leadership in your area. The A/ECs then become your emergency planning committee. There are four main categories of

A/ECs: Operations, Administrative, Liaison and Logistics. Here are some typical assignments you might give an A/EC:

Operations

1. Net manager for specific ARES nets

2. Net Control Station for specific ARES nets

3. Assembly point coordinator

4. Operational assistant to EC during disasters

5. Coordinator for a subdivision of the ECs area

6. Team captain of an ARES subgroup

Administrative

1. Recruiting

2. Public relations

3. Personnel records

4. Equipment inventory

5. Training

6. Reports

Liaison

1. Maintaining contact with assigned agencies

2. Maintaining liaison with NTS

3. Maintaining liaison with ECs in adjacent areas

Logistics

1. Transportation

2. Supplies of food, fuel, water, etc.

3. Equipment such as generators, batteries and antennas

4. Repeater restoration, if damaged by disaster

Image of the EC

As EC, you will soon learn that local amateurs will look to you for guidance on many problems of interest to amateurs in general, not just ARES matters. Some amateurs may even expect you to be available to answer their questions twenty-four hours a day! If this happens to you, it may be best to set your own personal policy regarding what you expect from the ARES members and what they should expect from you. If you find that ARES matters are taking up too many evenings, you may wish to set a time aside each week specifically for ARES. Inform your membership that you will be available during that time, and that time only (unless it is an emergency). Your membership will know that any questions they may have will be answered during your ARES time, and that any time other than that is reserved for your family.
—Bob Boyd, VE3SV

A reminder that ARES is part of the CRRL Field Organization. ECs are expected to be members of CRRL. AECs and other members of a CRRL-sponsored ARES group do not have to be CRRL members 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

Silent Keys

Conducted By Ray Staines, VE3ZJ

It is with deep regret that we record the passing of these amateurs:

VE1ASW, Jim Pratt, Elizabeth, CO
VE2SG, S. "Chuck" Gasoi, Côte St-Luc, PQ
VE3ANL, Walter Willing, Nepean, ON
VE3AO, Doug Saville, St Catharines, ON
VE3CM, Dick Bromwich, Grimsby, ON
VE3IUD, Jacob Shekter, Dundas, ON
VE3NMF, H. Al Mitchell, Sarnia, ON
VE5LEN, Lynn Hamilton, Regina, SK
VY1AO, Don Bruce, Whitehorse, YT

Note: Silent Key reports sent to *QST Canada* must include name, address and callsign 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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