

QST 

CANADA

Devoted entirely to Canadian Amateur Radio
Entièrement consacré à la radio amateur canadienne

XM3EJ

***Pelee
and
Middle
Island***

Neutrality

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April
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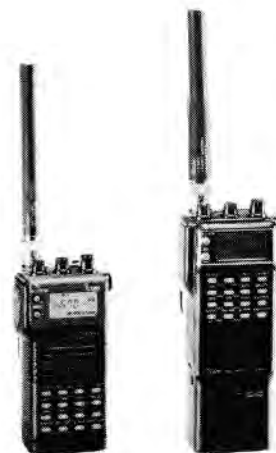
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ABOUT THE COVER



Bob Morden, VE3EIM, operates portable from Middle Island, Lake Erie, the most southerly location in all of Canada. Bob's story appears on page 3 of this QST Canada. (VE3EIM photo) ■

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

Gender Neutrality...

As we all know, Amateur Radio is an overwhelmingly male-dominated pastime. The unfortunate nature of this fact need not be commented upon, but it is 1991 and time that the chauvinist language and practices of Amateur Radio be rooted out.

Amateur Radio is mostly conversation—people talking to each other, and in some cases, machines talking to machines, where a special kind of concern arises. We all know that the modern world has taken great pains to invent gender-neutral words for the business, education, law, religion and institutions such as marriage and family life—places where gender identification of the participating persons has no obvious function. Amateur Radio must and will follow this socially desirable trend.

Amateur Radio started out using coded messages, and it still uses CW to a large extent. We have a number of CW abbreviations left over from the earlier era of male domination. These expressions must be the first target for the new thinking.

The term OM is filled to the brim with odious baggage. OM stands for “old man”. Obviously the M has to go. Nothing in the new language we will use on the air could so clearly and explicitly be allowed to stand for maleness. The obvious substitute for M is P which stands for “person”. This one substitution alone would make a mighty statement in favour of gender-neutrality in our hobby.

But there are several problems left if we substitute OP for OM. CW operators already use OP for something else. OP means “operator”. Switching from OM to OP has been considered by the CRRL Department of Discrimination and Insult Reduction (DDIR), but the idea has been rejected. The literal translation for GE OP NM HR JOE would be “Good evening operator, my name is Joe.” This sounds too much like dialing for directory assistance. Clearly, we can do better.

When we come to considering the O, this too is an odious usage since it refers to age—an aspect of discrimination second only to gender in abuse. We must throw out the O and replace it with something that does not suggest a birthdate or the time of life of the operator. We did consider removing the O completely, leaving the CW operator with P alone. Then the translation of the CW message above would be “Good evening, person, etc.” While this would admirably fulfill the aims of the DDIR, it sounds a little cold, and ignores a growing category of activity in our hobby in which machines talk to machines. Forcing machines to address each other as persons clearly violates the civil rights of machines, reduc-

ing them to the status of humanity.

To cover cases where machines do the talking, and perhaps even the thinking in the modern amateur station, a completely new acronym must be developed to avoid the gender- and age-specific aggression inherent in OM. We suggest: QLLADPU which stands for Quality-Laden Language and Data Processing Unit. Let us explain.

In OM, there was a certain honorific quality about the word “old”. Even though “old” was offensive with respect to its use of age as a personal reference, “old” had a ring of experience and good judgement about it. Youngsters enjoyed being called “old” because it associated them with the greybeards of our hobby. It was a thing to be prized.

We have covered that meaning in our new term with QL meaning “quality laden”. Quality Laden is the new Amateur Radio term of respect. It does not suggest that the quality was gained through age or experience—it simply acknowledges its existence. Thus QL replaces some of the meaning of the O in the now discredited OM. LADPU, which stands for Language and Data Processing Unit, avoids any possible insult to computers, programmable keyers, automatic identifiers, voice synthesizers or other machines that may do the work of human beings in Amateur Radio. Of course, a human being could also be an LADPU. Thus, LADPU does a pretty good job of covering the meaning of the M in the expression we are replacing.

In the future, young amateurs will beam with pride when another amateur calls them a pretty good LADPU. And all of us will be happy to be LADPUs, knowing we have avoided insulting others who might be of a different gender or even be non-human in their essential makeup.

On CW, the new expression, QLLADPU, has 24 dots and dashes. The old expression, OM, had only five. But with machines doing a lot of the work these days, this will create little extra burden. And it will sound good rolling out of our headphones or appearing on our monitors. On 'phone, QLLADPU is pronounced “Quill-lad-poo”. A typical 'phone exchange will go as follows: “Good evening, Quill-lad-poo. My name is Joe, etc.”

Eventually amateurs will appear at hamfests with QLLADPU embroidered on their jackets. It will be the modern and linguistically acceptable term of greeting and respect. QLLADPU will also take on the functions of YL, XYL, YF, OW and all such odious expressions in the Amateur Radio lexicon. One term, QLLADPU, will fit all. —Bodicea W. Micfrite, Coordinator, DDIR, CRRL ■

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.

JAPANESE AMATEURS

That was a good guess in March *QST Canada* as to why there are relatively few Japanese addresses in the *Callbook*. The actual explanation is a bit different.

Japanese names and addresses are written in traditional Japanese characters. The *Callbook* does not have the resources to put them into our Roman alphabet, so it's up to individual Japanese amateurs to supply their addresses to the *Callbook* in Roman characters if they want to be listed. From time to time, Japanese magazines print explanations of how to do this, but only a minority of Japanese amateurs ever do so.

The listing does tend to be weighted towards higher-class Japanese licensees, since these are the ones most likely to be interested in DX contacts and having their addresses published overseas. However, Radiotelephony and Radiotelegraphy licenses are also represented. —*Dave Sumner, K1ZZ, Executive Vice President, ARRL*

BRIT FADER, VE1FQ

In recognition of the many years of dedicated work performed by "Brit" Fader on CFARS, by providing literally tens of thousands of phone patches for personnel on board Canadian navy ships or serving with

Canadian peace-keeping forces all over the world, and in later years for personnel aboard Canadian Coast Guard ships, all CFARS members have been notified that work is under way to have a tribute to Brit displayed in the Signals Museum in Kingston, Ontario. This should give the amateur fraternity another glimpse of just how active Brit was. Brit is sorely missed by his fellow CFARS operators. "He knew them all by name and call." —*Mel Lever, VE1VX/C1W 824, Dartmouth, NS* ■

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, April 13 at Pickering High School, Church St, Pickering Village. Sponsored by South Pickering and North Shore ARCs. Opens at 0900, 0730 for vendors. Admission ¥4. Tables \$10. Talk-in on VE3SPH, 147.375 (+), and VE3OSH, 147.12 (+). For tables, contact Ron Brown, VE3WZ. Tel (416) 839-3711. For general information, contact Ken Grant, VE3FIT, Tel (416) 283-6271, or Mike Sherba, VE3DKW, Tel (416) 723-7674.

Dorval, PQ: West Island Auction and Fleamarket, April 13 at Surrey Garden School, 1925 Brookdale. Sponsored by West Island ARC. Tables \$10. Talk-in on VE2CWI, 146.91 MHz (-). For more information, contact Mark, VE2HWV, Tel (514) 683-0151.

Edmonton, AB: Edmonton Hamfest, May 24-26 at Namao School. Sponsored by Northern Alberta Radio Club. Displays, demonstrations, guest speakers. Expected attendance: 1500. For more information, contact Manuela Mesiatowsky, Edmonton Hamfest, Box 163, Edmonton, AB T5J 2J1, Tel (403) 462-4120.

Halifax, NS: Down East Fleamarket, May 25 at Exhibition Park, Atlantic Winter Fair Grounds. Sponsored by Halifax and Dartmouth ARCs. Door prizes, canteen, free parking. Opens at 0900. Admission \$2. Tables \$6. Commercial tables \$20. For more information, contact the Down East Fleamarket Committee, Box 768, Bedford, NS B4A 3H5, or Burt Smith, VE1TNT, Tel (902) 435-3967.

Ottawa, ON: Ottawa Valley Fleamarket, April 20 at Canterbury High School, Canterbury Ave. Sponsored by Ottawa Valley Mobile Radio Club (OVMRC). Opens at 0900. Admission free. Talk-in on 147.30 MHz (+). For tables or more information, contact Ken Barry, VE3KJB, Tel (613) 746-4823.

Smiths Falls, ON: 7th Annual Eastern Ontario Amateur Radio Fleamarket, May 4 at Lombardy Agricultural Society Hall, Highway 15, 7 km south of Smiths Falls. Sponsored by Smiths Falls Amateur Radio Club. Opens at 0900, 0730 for vendors. Admission \$2. Tables \$5. Talk-in on VE3RLR, 147.21 MHz (+). For tables or more information, contact J. Baxter Smith, VE3BFX, 8 Lawrence Street, Smiths Falls, ON K7A 4K5, Tel (613) 283-7852.

Weston (Toronto), ON: Skywide Fleamarket, May 7 at Central United Church, 1 King St. Weston. Sponsored by Skywide ARC. Opens at 1800, 1600 for vendors. Admission \$3. Tables \$5 plus admission. Talk-in on 146.985 MHz (-) and 443.1 MHz (+). For more information, contact mel Allen, VE3DOJ, 3423 Clanfield Cr, Mississauga, ON L4Y 3K9, Tel (416) 276-4450. ■

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



The Canadian Radio Relay League (CRRRL) 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.

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

CRRRL is the Canadian member-society of the International Amateur Radio Union (IARU). "Of, by and for the Canadian Radio Amateur", CRRRL 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 CRRRL Headquarters, Box 56, Arva, ON N0M 1C0 Tel (519) 660-1200.

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CQ de Pelee and Middle Island

Operating from Canada's most southerly locations.

By Robert Morden, VE3EIM
106 Renny Cr
London ON N6E 2E5

The third week of July, 1990, found my family and me aboard the MV Pelee Islander, a car and passenger ferry that had just left Leamington, Ontario, for Pelee Island. Geographically, Pelee Island is one of the most southerly pieces of real estate in Canada. It lies at the west end of Lake Erie, approximately 24 kilometres south of Leamington or 60 kilometres southeast of Windsor, Ontario. In good weather, the trip to the island takes about an hour and one-half.

A number of years ago, I had read an article about a group of amateurs who had operated from Pelee, providing other radio amateurs with an "island" contact towards the Canadian Island Award. I thought, "That was a good way to spend a vacation." Now it was my turn.

Landing at Scudder dock at the north end of the island, the cars, motorboats on trailers and passengers were quickly unloaded. A short ten-minute drive along North Bay Road and West Shore Road brought us to the west dock area and the Westview Motel. We looked around for antenna supports. There was a large tree at one end of the motel, and at the other end, a monster commercial tower with UHF antennas on top. I estimated the height of the tower to be 50 metres. I had visions of a super signal off the island.

We retrieved our suitcases and radio gear from the car. Inside our motel room, I flipped on the TV to relax after our trip from London. My eyes went to the top of the TV. There was a pair of rabbit ears pointing towards the ceiling. Were they just part of the TV and not used? Was the TV connected to the cable system. No luck—it was rabbit ears only. What was I to do? I was afraid to string up a wire antenna and go on the air with the Kenwood TS-430S in case I caused TVI. I had left the lowpass filter at home and TVI was the last thing I wanted.

Not being familiar with the area, I had prudently brought along a kite to support a long-wire antenna. I had also brought a fully charged 12-volt storage battery and a battery charger so, if necessary, I could be completely independent of the ac lines. "Plan B" was to locate a place where I could park the car, erect an antenna and get on the air running the transceiver from the battery.

The next morning, I started looking for a suitable place. As luck would have



Bob Morden, VE3EIM operating from Middle Island, Lake Erie. It's the most southerly location in all of Canada. Pelee Island can be seen to the north, in the background.

it, there was an ideal spot about one kilometre down the West Shore Road—lots of room for the car and an open area from which to fly the kite over the lake. But Murphy took a hand in the game—there was not a wisp of a breeze to fly the kite. Undaunted, I threw a 75-metre half-wave antenna over two eight-metre high trees. The centre of this antenna sagged until it was only two metres above the ground—not the best, but finally, VE3EIM/3 was on the air!

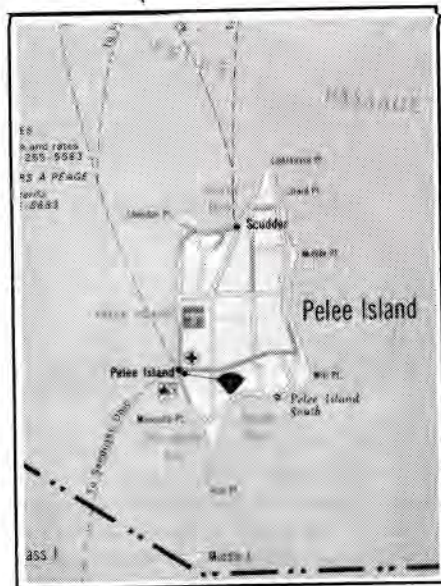
A few dozen contacts on 75 metres followed, but my signal reports were rather poor, S3 to S4 being the norm. I was disappointed, but what could I expect using such a makeshift antenna? That became the test for the day. Perhaps Mother Nature would provide some wind to fly the kite next day. One thing I noticed was that no one seemed overly excited about working Pelee Island. That hadn't been anticipated! Apparently very few realized that Pelee Island is a rare contact for the Canadian Islands Award or that there are (to my knowledge) no resident amateurs on the island.

The next morning was bright and sunny, and again, there was no trace of wind. My XYL, junior op and I decided to implement "phase two" of our little trip—to activate Middle Island. Middle

Island is about four kilometres south of Pelee Island, a few hundred metres north of a buoy which marks the line dividing the US from Canada. Middle Island is absolutely the most southerly piece of land in Canada. It is owned by an American, who, at one stage back in the 'thirties, attempted to build a cottage on the island. The attempt was aborted after a violent storm washed his partly built cottage into the lake. No one has ever inhabited the island.

Our 14-foot aluminum boat was launched from Dick's Marina near South Bay, on the south end of Pelee Island. Nautical chart in hand, we headed for Middle Island. I might mention that I wouldn't recommend attempting this trip in a much larger boat. There are shifting sands between Pelee and Middle islands, and the occasional large rock lurking within a metre of the surface of the water. We circumnavigated Middle Island. It turned out to be about one kilometre long and less than one-half kilometre wide. We located the only suitable landing place—a rocky beach with a strip of sand at the extreme west end of the island. This is where we set up the Amateur Radio station.

We found that the vegetation of the island was very dense, almost jungle-like



Left: A beach view of Middle Island with the station in the background: the signal reports were good. (VE3EIM photos) Right: Here's Pelee Island.

and nearly impossible to penetrate and explore. The island was inhabited by thousands of birds of various species. My son, Randy, an 18-year old high-school student, decided to do some snorkeling. He was amazed at the high level of underwater activity. In the shallows were four of the largest carp he had ever seen, each over a metre in length. There were shoals of bait fish, clam shells and assorted iron ship wreckage. The water was crystal clear and made snorkeling a pleasure. Even the water temperature was high enough to make swimming pleasant.

Again, with no wind, the kite was useless, so up went the 75-metre half-wave antenna, supported by two suitably spaced trees. In a matter of minutes, VE3EIM/3 was on the air again. What a difference in signal reports, especially on 40 metres, when compared with the feeble effort from Pelee. The average report was 10-20 dB over S9, running just 200 watts. Most of the contacts were with W9 land. On 75 metres, the average report was S6-S7. Needless to say, we operated mostly 40 metres.

As I operated—it was a lot like Field Day—I was constantly attacked by small biting flies. They looked like miniature house flies and they were a real pest. I wished I had brought some insect spray to attack them!

Middle Island is generally a navigation hazard. On the west end, it is possible to walk over 400 metres out into the lake on a rock reef only a metre below the surface. As noted in the Pelee Island Museum, in the last one hundred years, several ships have made Middle Island their last port-of-call. After talking to a number of Ontario amateurs we concluded that we may well have been the first to operate a station from Middle Island. It would be interesting to hear from

someone if in years gone by, other amateurs have operated from there.

Then it was back to Pelee and those rabbit ears on the TV in our motel room. Would you believe that from Pelee, you can receive about 40 different channels with fair to very good reception, just using those rabbit ears. There were US and Canadian TV stations from as far away as Toronto!

A few comments about Pelee Island. Pelee islanders are proud of their red and white wines produced from locally grown grapes. The wine is actually made on the mainland, in Leamington, since their own winery burned down many years ago. A miniature replica of the winery stands on the site today.

One thing that amazed me during my visit was that eight out of ten vehicles on the islands carried Ohio licence plates. That indicates the level of interest that Pelee holds for the people to the south. One factor contributing to this phenomena is that both the MV Pelee Islander and the MV Upper Canada have a daily run to Pelee Island and on down to Sandusky, Ohio. A sailor aboard the Islander told me the ferries continue to run right into November if weather permits.

You can drive completely around the perimeter of Pelee in an hour. That's at an average speed of 20 kilometres per hour, so you can see that the island isn't overly large. But there are only a few miles of paved roads. The rest are gravel and sand base. Because of the dust you kick up, you will quickly conclude that 20 kilometres per hour is as fast as you will want to go.

We found that the "islanders", as they like to be called, were genuinely courteous and friendly. The island is certainly the quietest place we have visited for some time. It has the same type of atmosphere as you might find in a very small

village. Quiet is indeed the word because everything closes at 5 p.m. If you need extra food, get it at the grocery store at the north end of the island before five!

Needless to say, we'll be making another trip to Pelee Island, and perhaps to Middle Island as well. It was thoroughly enjoyable. Next time, though, along with the rig, we'll bring along our own antenna supports for a G5RV or a trap dipole, a lowpass filter for the rig, highpass filters (300-Ω type) for the TV sets, and just in case, the storage battery and charger and, of course, the ever-faithful kite. Who knows? Next time, it might just be windy!

VE3EIM hopes that his article will give some QST Canada reader the "bug" to operate from Pelee or even from Middle Island. If you're that person, contact him and let him know when you're going. He still needs Pelee for his Canadian Islands Award!

Transportation to Pelee Island can be arranged by calling (519) 252-1540, or (800)-265-5683 toll free if you live outside the 519 calling area. Reservations at the Westview Motel can be arranged by calling (519) 724-2072, (519) 252-1540 in the winter.

The Canadian Islands Award is available from the Maple Leaf Radio Society, Garry Hammond, VE3XN, 5 McLaren Ave, Listowel, ON N4W 3K1.

NEW CRRL ADDRESS

A reminder that very soon, Box 7009, Station E, London, ON N5Y 4J9 will be no more. Canada Post is closing Station E. Starting immediately, please use the new CRRL address: CRRL, Box 56, Arva, ON N0M 1C0.

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VE7IDU Wins Handheld for WARC-92

Friday, February 15, turned out to be a red-letter day for David Savoie. After many years of playing around with old radio equipment, David passed his Amateur Radio exams. Much credit for this must go to the instructors of the local Amateur Radio school in Burnaby, BC, and to Vol Riley, VE7EYG, the dedicated volunteer examiner who decided that it was time for David to give the exam an extra try, and made a special trip to David's home, to make sure David had lots of time to write the exam without external pressures. This was necessary because David is "handicapped".

On the night of February 15, David appeared at Burnaby Amateur Radio Club with a big smile on his face. No call yet, but he had passed. February 15 was also a special night for the club. We had set a goal of reaching \$1000 for the Defence of Amateur Radio Fund—the fund set up to help IARU defend our amateur frequencies at WARC-92. (After reaching our goal, we threw in the proceeds of the coffee fund as well, for a total contribution of \$1200.) To make the fund raising more fun, we bought a new handheld, and a couple of *Callbooks* as well. For every dollar that a member contributed, he or she received a ticket on the handheld. I noticed that David had been making a contribution to the fund every week, even though he did not completely understand the need to protect our bands and send a Canadian representative who understands the issues to WARC-92.

Well, the barrel was loaded up with the tickets and the hundred-odd members at the meeting waited in anticipation. Three tickets were drawn, and you guessed it—David, now VE7IDU, became the recipient of a brand new ICOM IC-2SAT handheld!

Special thanks to Com-West, one of our *QST Canada* advertisers, for the special pricing on the prizes and their support of our efforts in raising money for the WARC-92 Defence of Amateur Radio Fund. —*Lou Beaubien, VE7CGE* ■

National Golfball Championships

The Canadian National Golfball Championships were held Friday and Saturday, February 15–16 in Winnipeg. Eleven men's and women's teams competed. Golfball is the only team sport designed exclusively for blind athletes. Sighted players can also compete, but must wear blindfolds. Blind participants also wear blindfolds, to prevent anyone from gaining an advantage.

Golfball is played on a regulation volleyball court. The dimensions are outlined with tape. The players feel for the tape on the

Calgary ARA Goes to the Hobby Show



Who wouldn't become excited about Amateur Radio after visiting a display like this? Left: Steve Miller, VE6SWM, Coordinator and Public Relations, and Alan Faint, President of Calgary Amateur Radio ARA display a table of homebrew equipment. Right: Roy Hookham, VE6RH and Jens Jacobsen, VE6CDU at the ATV display. The black unit on top of the monitor is Calgary ARA's 439.250–910.250-MHz ATV repeater. (VE6AFO photos) ■

floor to know where they are. Each team defends a 10-metre long net. The ball is the same size as a basketball, but much heavier. It has several small holes cut into it, so players can hear the bells inside. The objective for the offensive team is to "bowl" the ball into the opponent's net. The defensive team listens for the ball coming and attempts to stop it. They do this by throwing themselves in front of the ball, much like a defenceman in hockey blocking a puck. Each team has three players on the court at a time.

Ellen Barrett of CNIB contacted Winnipeg Amateur Radio Club last fall to request assistance. At that time, CNIB was expecting 20–24 teams. They intended to use eleven vans to transport the teams between headquarters at the Delta Inn and the two schools where the games would be played. Over time, the number of teams had dropped to eleven and all the games could be played at a single school—Tech-Voc.

Our responsibilities were to work closely with the organizers and dispatch the vans efficiently. Each driver was to report to the

Amateur Radio operator at the end of a trip. Once the drivers reported in, we received instructions from CNIB officials, directing drivers what to do next. We logged the arrival and departure times of each van at each location.

Coverage began at 0700 each day and wrapped up by 1800. Each shift was about four hours. The peak period was 0730–0930 when all the teams were rushing over to the school. I ran into one big problem during my shift. Both batteries for my TH-225 died. My first battery lasted to 0900, the second to 1030. Luckily, it happened during a quiet time, and Tom, VE4SE, came in an hour early to relieve me.

Our group did its usual fine job of covering its responsibilities. A big thank you" to the following amateurs for helping: VE4s AJG, JR, KK, LA, PH, PJ, SE and WF. And congratulations to Vic, VE4ZZZ. He played for the Manitoba team. Vic challenged us to a game between the white-cane hams and the sighted ones. We will consider that! —*Dick Maguire, VE4HK* ■

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 who recently made donations: *Clubs:* Burnaby Amateur Radio Club, Senior Citizens Amateur Radio Club of Burnaby, Nanaimo Amateur Association, Vancouver Amateur Radio Club, Kitchener-Waterloo Amateur Radio Club, Nortown Amateur Radio Club, Quinte Amateur Radio Club, and South Pickering Amateur Radio Club. *Individuals:* Harry Fowlie, VE1GQ; Jim Thompson, VE3BCA; Bud Kern, VE3CAE; Noel B. Eaton, VE3CJ; Estate of Newt Good, VE3CY; John McCorrison, VE3DAY; Ernest Meyer, VE3EGM; W. A. Workman, VE3KWT; Robert Mitchell, VE3KYA, and Sally Mitchell, VE3NDF; Les Gartshore, VE3OL; Richard Jones, VE3WRJ; Mel Riddell, VE5QU; and B. Oehlke, VE7PDH. As of 1991 March 12, the fund stood at \$12,435.41. If you have not yet contributed, please mail your cheque to DARF, c/o Tim Ellam, VE6SH, 107 Strathern Rise SW, Calgary, AB T3H 1R5. ■

The CRRL Address is Changing

First they raised the postal rates. Then they added GST. Now they are closing our post office!

For the past ten years, the address for CRRL has been Box 7009, Station E, London, Ontario N5Y 4J9. CRRL has learned that, within a few months, London's Station E will be no more. CRRL is fortunate in that it has an alternate address which it has been using for CRRL elections and the CRRL Outgoing QSL Bureau for several years. This address, which will now be used for all CRRL business, is:

Box 56, Arva, Ontario N0M 1C0

CRRL asks that individuals and clubs, through their newsletters and nets, give this address change the widest possible distribution. Mail sent to the old address will be forwarded, but there will likely be delays. Please help CRRL give you the best possible service by using the new address now.

CRRL ELECTION RESULTS

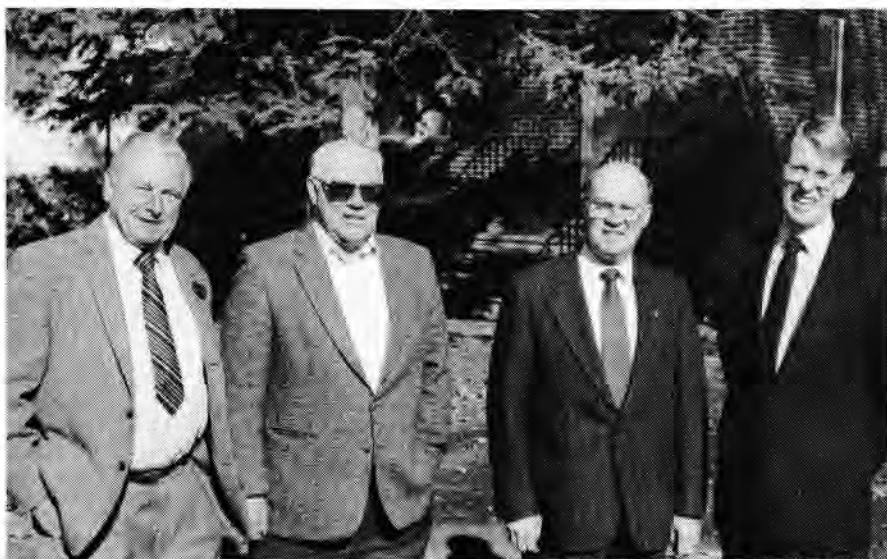
□ The CRRL Committee of Tellers met in London, Ontario, on March 16 to count ballots in the election for Director, CRRL Ontario South Region. Results: George Gorsline, VE3YV: 537 votes; William Lefler, VE3BMW: 271 votes. George Gorsline was declared elected, to serve the remainder of a two-year term that commenced on 1991 January 1.

RSS-210 SUBMISSION

□ In our column prepared during the Christmas rush, we failed to note that CRRL did file an extensive submission on DOC's RSS-210, Issue 1, Draft 4: *Low-Power Devices for Momentary Operation*. These devices included remote-control garage door openers, and various signals and alarms. Under DOC's proposals, they would be allowed to operate in almost any part of the RF spectrum. In the submission which was prepared by Dana Shtun, VE3DSS, with assistance from Barry Malowanchuk, VE4MA, and other members of the CRRL VHF/UHF Advisory Committee, CRRL stated that the field strength levels proposed by DOC were totally unacceptable, and asked DOC to allocate specific bands for these unlicensed devices, rather than let them proliferate throughout the already congested RF spectrum.

ACROSS THE COUNTRY

□ Speaking from his home riding of Baie Comeau, Quebec, Prime Minister Brian Mulroney recently gave his personal



From left to right: George Spencer, VE3AGS; Don Fraser, VE3CDF; Ralph Cameron, VE3BBM; and Bill Wilson, VE3NR, prior to last November's CRRL/IARU presentation to DOC concerning WARC-92. Not shown: CRRL Past President Tom Atkins, VE3CDM, who called the meeting. He was taking the picture!

assurance that Radio Canada International (RCI) would not die when CBC withdraws financing for the international shortwave service at the end of March. However, he added that budget details were still uncertain, and he would not say which government department would supply the money RCI needs to continue operation. RCI, based in Montreal, has transmitters in Sackville, New Brunswick, and a staff of 193. In February, a spokesperson for the staff-based SOS RCI Committee suggested that RCI would need an annual budget of some \$20-million if it hoped to continue to broadcast in 14 languages.

□ Moncton (New Brunswick) Area Amateur Radio Club and CRRL's Maritimes-Newfoundland Section co-sponsored a Packet Radio Seminar, held at the University of Moncton on March 23. Purpose of the seminar was to share packet radio information with new operators and to bring Atlantic region packet network SYSOPS together for planning purposes. More on the seminar later.

□ Winnipeg Amateur Radio Club will be holding its first annual Worked All Winnipeg Award day on the air 1700-2400 UTC, Saturday, April 6. Listen for up to fifteen Winnipeg stations on the 10-, 15- and 20-metre band. Rules? Any contacts made after January 1, 1956, may be used as credit for this award. Stations in Manitoba must work 25 different Winnipeg stations; stations outside of Manitoba but within North America must work 15 dif-

ferent Winnipeg stations; stations outside of North America must work 10 different Winnipeg stations. To receive the award, send copy of logbook and \$2 or six IRCs to Worked All Winnipeg Award, Box 352, Winnipeg, Manitoba R3C 2H6 Canada.

□ Winnipeg Amateur Radio Club will also be active on the weekend of April 27, which includes the birthdate of Samuel F. B. Morse, inventor of the Morse code. Listen for special-event station VE4SFBM on CW, of course, on all HF bands.

□ A reminder that, to celebrate the 100th Anniversary of Ukrainian settlement in Canada, Canadian amateurs may use the following special prefixes until the end of April: VA1-VA8 in VE1-VE8; VC1-2 in VY1-2; VC9 in VY9 (special DOC club stations); and VO7-8 in VO1-2. In connection with the celebration, CANAD-X Long Skip Editor John Sklepkowycz, VE3IPR, will operate special-event station VA100U.

□ To celebrate the 50th Anniversary of the military at Goose Bay, Labrador, residents of Goose Bay and Happy Valley will be authorized to use the special prefix VO50 (Victor Oscar Five Zero) from July 15 to August 19. Radio amateurs visiting from outside of Canada may use their call signs portable VO50, subject to normal reciprocal agreements and procedures (e.g.: W1AW/VO50, VO50/G3XXX).

SOUTH OF THE BORDER

□ As of 1990 December 30, the US amateur population was 500,243 individual

operators. The number of individual Amateur Radio operators in Canada is estimated at around 20,000.

□ US amateurs are wondering if there will be licence fees in their future as the FCC figures out how to generate an additional US \$65-71 million for its 1992 fiscal year.

□ John Lindholm, W1XX, has left ARRL Headquarters. Replacing him as manager of the Membership Communications Services Department which includes DXCC: Chuck Hutchinson, K8CH.

□ ARRL has announced that rules for field checking QSL cards for DXCC credit are now being formulated. When the program is implemented, DXers will be able to have cards from a list of approximately 250 core countries checked by volunteer field checkers. Only new awards will be covered, not endorsements. Field checkers will be nominated by DX clubs, approved by an ARRL division director and appointed by the ARRL president. A field checker will have to be an ARRL member holding a DXCC award endorsed for at least 300 countries.

□ ARRL is seeking amateur exemption from a number of state and local ordinances banning scanners and other mobile receivers capable of monitoring police and other public service channels.

TARIFF NUMBERS

□ With the Dayton Hamvention approaching, the following numbers should be helpful to customs persons establishing the tariff on Amateur Radio items imported into Canada. Remember that if you have been out of Canada 48 hours, you may bring back CDN \$100 duty and tax exempt. If you have been out of Canada for 7 days, you may bring back CDN \$300 duty and tax exempt.

8525.20.10: transmission apparatus incorporating reception apparatus for use on amateur bands (transceivers, linears, etc.)—no duty but 7% GST.

8529.90.10: receivers for amateur bands—no duty but 7% GST.



Burnaby ARC recently raised \$1200 for the Defence of Amateur Radio Fund. That's about \$10 per member! Displaying the cheque (l-r): Burnaby ARC President Dale Treavelen, VE7UX, Frank Andrews, VE7VF, Barb Boman, VE7CZM and Lou Beaubien, VE7CGE. Burnaby ARC is a very active club with a membership that supports both CRRL and CARF (VE7HTT photo)

8529.10.90: aerials, antennas and parts for antennas—3.8% duty plus 7% GST.

8471.91.00: digital processing units (computers, TNCs, etc.) as stand alone units, or in a unitized housing such as storage units, input units, output units—no duty if US-made, 3.9% duty if made elsewhere, plus 7% GST.

Note that the 7% GST has resulted in a saving on Amateur Radio equipment imported into Canada. In the past, this equipment was subject to the 13.5% Manufacturers Sales Tax.

NOTES FROM ALL OVER

□ Radio amateurs everywhere will be saddened to learn of the death of Edgar Johnson, founder of the E. F. Johnson Company of Waseca, Minnesota. He was 91. Johnsons company manufactured keys, antenna tuners and transmitters, both in kit

Silent Keys

Conducted By Ray Staines, VE3ZJ

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

- VE1BBS, Lee Nolan, Amherst, NS
- VE2GTY, C. R. O. Munro, Beaconsfield, PQ
- VE3AH, Les Richards, Toronto, ON
- VE3CY, Newt Good, Waterloo, ON
- VE3IK, Arthur Holmes, Mississauga, ON
- VE3JTM, Orville Reid, Peterborough, ON
- VE3NOK, Tom Chessell, Midland, ON
- VE3NQT, John Ross, Kitchener, ON
- VE4ACW, Joe Bezpalko, Winnipeg, MB
- VE5AGT, Stuart Paul, Govan, SK
- VE5WU, J. W. Clelland, Saskatoon, SK
- VE6AAB, Tom Moller, Sherwood park, AB
- VE7BAZ, Sergie Litwinson, Coquitlam, BC
- VE7JS, John Scarlett, Victoria, BC
- VE7WES, Bill Schultz, Penticton, 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*. ■

and wired form. Thousands of Johnson transmitters were used by radio amateurs in the years that followed World War II.

□ The Soviet Amateur Radio satellite, RS-12/13 was launched on February 5. Shortly after launch, the CW beacons were heard and all subsystems were found to be in good condition. RS-12/13 carries several transponders with uplinks and downlinks on frequencies in the 15-, 10- and 2-metre bands. There is also an auto-answer robot. RS-12/13 circles the earth once every 105 minutes and can be accessed even with modest equipment.

□ Look for more packet radio activity from the Soviet space station, MIR. Cargo in the latest "supply truck" sent to the space station included a PacComm Handi-Packet TNC, an Icom IC-228A transceiver, and a laptop computer. Listen for U2MIR-1 on 145.55 MHz. ■

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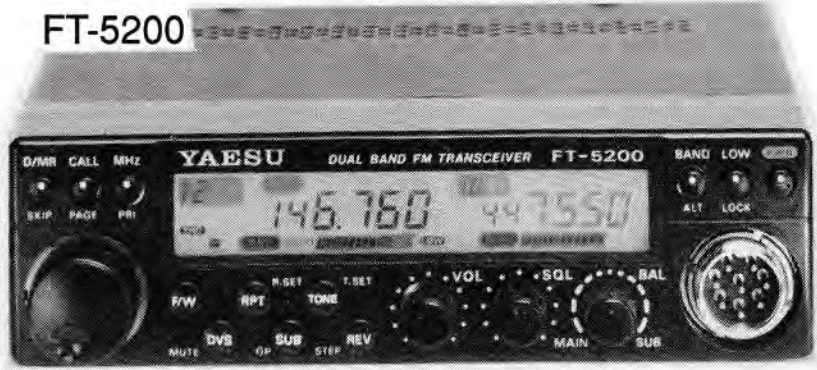
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Hints and Kinks	9.00	1.10	5030	<input type="checkbox"/>
Solid State Design	13.50	1.10	5040	<input type="checkbox"/>
Design Notebook, W1FB	11.25	.80	5050	<input type="checkbox"/>
Spread Spectrum Sourcebook	22.50	1.30	5060	<input type="checkbox"/>

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Operating Manual	17.00	2.25	5500	<input type="checkbox"/>
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The CRRL Field Organization Forum

SECTION MANAGER ELECTION NOTICE

To all CRRL members in the British Columbia Section: You are hereby solicited for nominating petitions pursuant to an election for Section Manager. A petition, to be valid, must carry the signatures of five or more CRRL Full members residing in the British Columbia Section. It is advisable to have more than five signatures. Photocopied signatures are not acceptable and signatures must be on the petition. Petition forms, FSD-129-C, are available from CRRL Headquarters in London, Ontario, but are not required. The following form is acceptable:

..... (place and date)

CRRL Field Services Manager
Box 7009, Station E
London, Ontario N5Y 4J9

We, the undersigned CRRL Full members residing in the British Columbia Section, hereby nominate (name and call sign) as Section Manager for this Section for the next term of office: (signatures and call signs) (addresses with postal codes).

A Section Manager must be a resident of his or her Section and a licensed radio amateur holding a Canadian Advanced Amateur certificate or equivalent, and have been a CRRL Full member for a continuous term of two years at time of nomination. Petitions will be received at the CRRL Headquarters office until 1600 EDT 1991 June 7. If only one valid petition is received, the person nominated will be declared elected. If more than one valid petition is received, a balloted election will take place. Ballots will be mailed from CRRL Headquarters on 1991 July 1. Returns will be counted after 1991 August 20. A Section Manager elected as a result of these procedures will serve for a two-year term of office beginning on 1991 October 1.

You are urged to take the initiative and file a nominating petition immediately. —Jack Strangleman, VE3GV, Field Services Manager

SECTION MANAGER ELECTION RESOLICITATION

To all CRRL members in the Ontario Section: Because no valid nominations were received by the stipulated cutoff date, you are hereby resolicited for nominating petitions pursuant to an election for Section Manager. For dates and information on how to nominate, see the election notice above. A Section Manager elected as a result of these procedures will serve for an 18-month term of office beginning on 1991 October 1. —VE3GV

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.

REPORTS FOR JANUARY 1991

Alberta: SM: Don Wilcox, VE6CG; STM: VE6AKY; SEC/TC: VE6AFO; OO: VE6TY. In the Edmonton area, about 40 amateur class members took the DOC examination on January 15 with about 50% applying for their amateur calls. The balance will be trying again very shortly. Best wishes to these new amateurs. Another Alberta Public Safety Services Emergency Site Managers' Course was completed last month. Four amateurs passed about 100 pieces of traffic in their simulated exercise. Thanks to Jim, VE6JWA, Lloyd, VE6MJ, and Curt, VE6NP, for helping me with this activity. —VE6ABC

British Columbia: SM/SEC: Ernie Savage, VE7FB. British Columbia Public Service Net (BCPS, 3729 kHz) Manager Ford, VE7DDF reports January check-ins: high—264, low—172, and total—6252. The American football playoffs seemed to have captured some of the regular net members in January. British Columbia Emergency Net (BCEN): Manager Ferdi, VE7EJU, reports 872 check-ins. members of Vancouver ARC were guests of Canada Air and their flight simulator. Our "Chief Flight Officer" took six of us at a time on a simulated flight with all the sounds and even the feel of flying—even to the bumps on the runway. Through the "windshield", we saw it all as one up front would see. Son Jesse and your SM were guests at the Shriner's Gizeh Temple for the installation of the officers of the Ritualist Unit, Communications Unit and Provost Corps. It was a thrill to witness our President-to-be Noble George Campbell, VE7FRE, Vice President Noble Kurt Zimmerman, VE7CYW, and Secretary-Treasurer Noble Bud Smith, VE7FI, being paraded before the installing officer reading the oath of office.

Manitoba: SM: Bill Crooks, VE4JR; ASM: VE4IX; STM: VE4JA, SEC: VE4VR; NMs: VE4LB, VE4IX, VE4TE. A report from Selkirk ARC: Training classes were held earlier this year and three new licensees have joined the amateur ranks. They are continuing with more training. Selkirk ARC has installed a repeater, VE4SLK, in town. It should be operating by the time you read this report. Winnipeg ARC has set up training classes as a result of many people submitting their names. This is a result of exposure to Amateur Radio via an active station set up at the recent hobby show and the club's permanent station, VE4TTU (Touch the Universe), set up at the Museum of Man and Nature, where many visitors expressed an interest in the hobby. This is a short report because I have not had very much input from clubs around the province. Please have your club secretaries send in reports of your activities.

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

Ontario: SM: Larry Thivierge, VE3GT; BM: VE3GSA; SEC: VE3GV; STM: VE3CYR; TC: VE3EGO. Stories of amateurs moving in to provide assistance after tornados, floods and earthquakes are legion. One group of amateurs quietly provides a different and continuous kind of service that doesn't make headlines. Back in 1982, several members of the Heritage ARC set up a "road watch" using 146.52 MHz to assist

motorists along Ontario Highway 401. Over the past several years, a number of travellers have been assisted when the area was beset with violent storms and the roads were almost impassible. Today, repeater VE3RTR, 145.15 MHz (–) in Coburg is used for this purpose, with coverage extending from Toronto in the west to Belleville in the east, along Highway 115 north to Peterborough and along Highway 7 to Marmora. Good information to keep in mind when travelling along that stretch of the 401. Thanks to the club for providing such a useful public service. It is with regret that I report that VE3JTM, VE3NOT and VE3CY—the last a spark gap pioneer—have become Silent Keys. VE3CHZ will be signing 9M2AN from Kuala Lumpur for the next year or so. Manitoulin ARC will be three years old this year and have a number of projects to be completed, first being the overhaul of the VE3TOP repeater in Elliot Lake. New calls on VHF packet include VE3AJB, VE3CSM, VE3HK, VE3JPY and VE3KAD. The Musket Net which meets every evening at 1930 local time, USB, has changed frequency to 144.240 MHz. VE3AJN and VE3GNW are keeping busy with IATN/EAN/TCC traffic skeds. For those who use IRCs, coupons purchased in any country including Canada may be exchanged at any post office in Canada for \$0.78 in Canadian postage for each coupon. And there is no expiry date on them. Source: *Canada Postal Guide, Part II*, version 07-90, section 106.3 or 204.4. Don't forget the Ottawa Valley MRC Fleamarket, April 20 at Canterbury High School.

Quebec: SM: Harold Moreau, VE2BP; STM: VE2EDO; SEC: VE2LYC; BM: VE2ALE. Larry Dobby, VE2DO, has been elected director for our CRRL Quebec Region. Congratulations, and thanks to Pat, VE2EDO, who has retired. Les clubs Drummondville, St-Hyacinthe et Granby ont environs une vingtaine chacun de candidats qui obtiendront leur certificats amateurs. Avec regret, je dois vous annoncer le décès de VE2GHV. Le nouveau directeur de CRRL pour Québec est Larry Dobby, VE2DO. Félicitations et merci à Pat, VE2EDO, qui a pris sa retraite.

Saskatchewan: SM: Joan Lloyd, VE5JML. Great news! The 1991 Saskatchewan Hamfest will be held in Prince Albert on July 19–20. Many thanks to amateurs in Saskatoon who provided communications for the third World Junior Hockey Tournament. Saskatoon ARC is manning an all-mode amateur station set up at the Western Development Museum during February and March. Nipawan amateurs are linking their repeater to the Melfort repeater and are installing a rose switch to facilitate packet activity into Saskatoon. SARL's new *QSO Magazine* has received great reviews. Next issue will be out at the end of February. Great job, Bruce, VE5ND! Swap 'n shops can be found on 40 metres on Saturdays at 2330 UTC, contact Bruce, VE5ND; on 75 metres (3.753 MHz) on Sundays at 0115 UTC, contact Dave, VE5BEH; and on the 2-metre link net on Sundays, contact Mike, VE5AK. CRRL officials met in Regina on January 26. Many thanks to Regina amateurs VE5s SF, CS, EE, PI, ELJ, BV, NX, UU, RJR, AAA, HL, UK, MH, DU, AHW, BW, JML, IC and AFQ who provided communications for the South Saskatchewan Boy Scout Klondike Hike on February 2. ■

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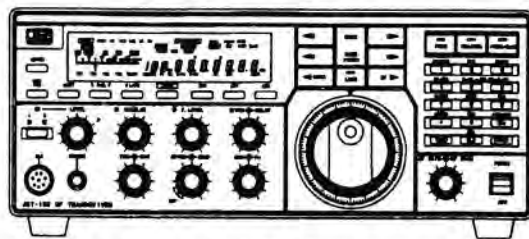
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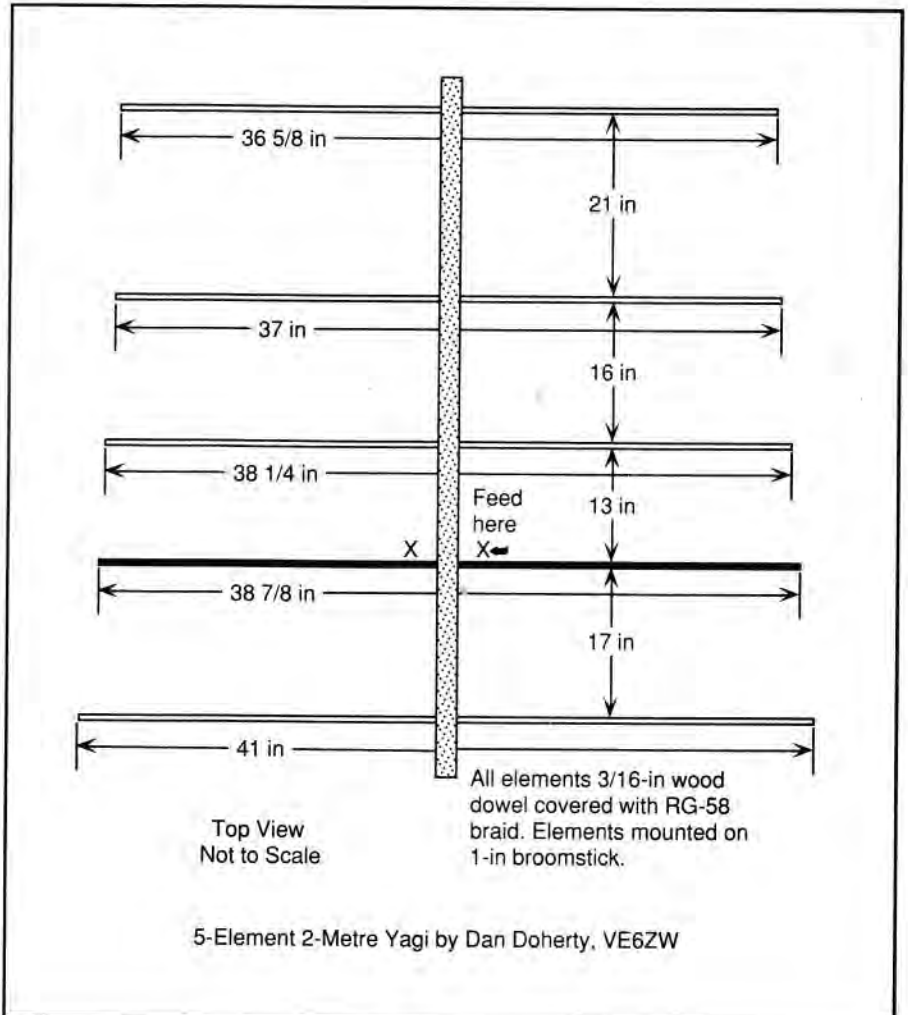
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Broomstick 2-Metre Yagi

Here's a lightweight, inexpensive, easy-to-assemble 5-element yagi for the 2-metre band. Use a 1-inch dowel or broomstick for the boom. Drill holes to accommodate the 3/16-inch dowels which are pushed through and centered. The dowels can be treated with wood preservative (I recommend this). They are covered with braid from discarded RG-58 coax. Split the braid covering the driven element. Feed with 50-Ω coax. Some trimming may be required, but the antenna should be resonant around 145 MHz. A balun is not necessarily required. —Dan Doherty, VE6ZW, 157 Millrise Manor SW, Calgary, AB T2Y 2L6

SIMPLE 2-METRE VERTICAL

This is an old favorite, but it will be new to some amateurs. Take an SO-239 chassis connector and turn it on its end. Solder a 19-1/2-inch length of stiff wire to the centre terminal, and 20-inch lengths of similar wire to the four mounting holes of the connector. Bend the 20-inch wires down at 45-degree angles. Attach the coax and transmit. It's a ground plane! —VE3GRO ■



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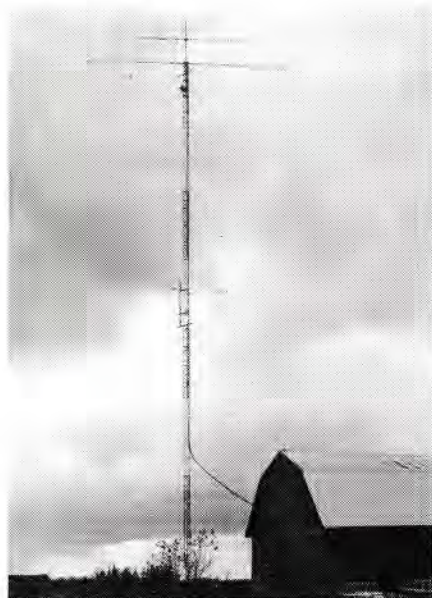
Quarter Century Wireless Assn.

(Founded 1947)

If you were first licensed 25 or more years ago, you can belong to the exclusive fraternity of QCWA. Join Southern Ontario Chapter 73—and exchange memories, experiences, banter and technical information with others of your own generation—at our twice-annual luncheon meetings and on weekly nets (Sundays at 0900 local time on 3773 kHz, and at 1300 local time on 7088 kHz). Special certificates and pins recognize those who have held an amateur licence for 50, 55 and 60 years. Our next get-together is scheduled for May 11 at the Mohawk Inn, Campbellville, Ontario, on the Guelph Line 100 yards north of Highway 401. Join us! Bring a friend, prospective member or not.

For fee schedule and application form, contact Secretary Fred Wilkinson, VE3AJW, R. R. 6, Simcoe, Ontario N3Y 4K5. ■

XM3EJ



Now here's a real contest station! XM3EJ (formerly VE6OU/3) belongs to John Sluymmer of Grassie, Ontario. Last October, the station was a multi-operator single-transmitter participant in the 1990 CQ WW SSB Contest. John, VE3EJ, John, VE3OZB, and your humble servant, VE3XN, were the three operators. We finished with a total of 5247 QSOs in 614 countries and 172 zones for a final score of 10,633,088. Alas, we were only number two in Canada. The VEIDX team headed by Andy McLellan came out ahead. We congratulate them!

Top left: The tower near the barn. It carries a 5-element K8CC 20-metre beam at 150' and a 4-element 204BA 20-metre beam at 80'. There's also a 5-element 15-metre beam at 160' 15 metres was our best band with 1348 contacts in 137 countries and 38 zones. Not shown, there is also a second tower near the house. It

16 QST Canada

carries a 3-element 40-metre beam at 150' and a 5-element 10-metre beam at 160'. On 40 metres, we worked 100 countries in 30 zones. 10 metres produced 142 countries for us. Lower down on this second tower are additional 4-element beams for 10 and 15 metres.

Top centre: The four-square quarter-wave vertical array with 29,000 feet of radials laid down! A phasing system allowed us to fire NE, SW, SE and NW to work 73 countries on 80 metres.

Top right: VE3EJ operates the TS-940 feeding a homebrew 8877 amplifier. This was our "running station" for stations calling us.

Bottom left: VE3OZB operates the IC-740 feeding a Ten-Tec Titan amplifier, checking out the bands for a new multiplier.

Bottom right: VE3XN DXing from the main station, checking for elusive zones and countries and to build up the multipliers. We did not use computerized logging. Maps and markers kept track of progress. (VE3EJ and VE3XN photos)

APRIL "QST" QSO AWARD PARTY

CRRL sponsors the Worked All QST Award—available to any amateur who makes phone, CW or mixed contacts with eight of the twelve "QST" stations located across Canada. You'll find these stations active throughout the year, in contests and especially on Field Day, but the easiest time to contact them is during the spring and fall QST QSO Award parties.

The spring party, phone portion will be held on April 20-21, CW portion on April 27-28, 1400-2200 UTC each day. On phone, look for QST stations on 14.13 and 21.25 MHz, and on frequencies in other bands if conditions permit. On CW, look for QST stations near the lower edge of all HF bands.

To receive your Worked All QST Award, send a copy of your log with an SASE or one IRC to CRRL Headquarters, Box 56, Arva, ON N0M 1C0. ■

CANWARN and the 1990 Tornados

With summer due to arrive in a couple of months, ARES members will be giving thought to the threat of tornados and what can be done to help our communities to cope with them. This month, our column is devoted to the role of CANWARN. Next month we will again discuss tornados—and tell you how to detect them electronically.

Randy Mawson, VE3TRW, is CANWARN project leader at the Windsor (Ontario) weather office of the federal government's Atmospheric Environment Service (AES). Bruce McCoy is vice president of London (Ontario) ARC. Both have provided articles on the severe weather outbreak that occurred in the London area on 1990 August 28. first, here is Randy's report:

"CANWARN began in Essex County in 1987 when severe weather outbreaks still meant something. The Barrie tornado and the Edmonton tornado were still very fresh in people's minds. In fact, the summer of 1987 had some "pretty hairy" weather days, but the following two years went flat, just at the time that the fledgling CANWARN program needed severe weather to prove itself.

"I remember talking to the manager of the London weather office when we were trying to get something started there, and he said we might have a tough go of it because they didn't have as much severe weather there as in Windsor. The fact of the matter is that tornados can occur in almost any part of Canada. One of the last places anyone expected a devastating tornado was in Edmonton, but it happened. Still, I had reservations myself, about the program floundering because of inactive summer weather.

"Call it stupidity of blind ambition, we went ahead anyway. The London program was very capably headed by John Hoekstra of the London weather office and Jim DeZorzi ('Diz'), VE3ZK, past president of London ARC, along with Doug McKinnon, VE3OLN, of Flight Services London, and many others. Let me now chronicle what happened on August 28.

"After a rather uneventful summer, an unusually humid and unstable air mass moved into southwestern Ontario. Humidex values exceeding 40°C were common and thunderstorms were forecast for the night of August 27. In fact, a rather impressive thunderstorm complex did develop overnight and into the morning of August 28. It paled, however, in comparison with what was to develop in the afternoon. I was working midnights, and I remember going home and, before I

"hit the sack", telling my wife that a tornado was going to develop somewhere in southwestern Ontario that day. This was not based on special intuition, but rather on numerical analyses from the Ontario Weather Centre and past experience. All the dynamics were there including an impressive cold front that could make

wholesale changes in air masses as it passed.

"I awoke around 1630 hours to the rumble of thunderstorms in my hometown of Amherstberg. I flipped on my radio to hear reports of hail in south Windsor, and I knew the cold front was approaching. A short while later, in Windsor, a net was set

Field Organization Reports January 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 1069.

Reporting	ARES Members
VE3GV (VE3s AFP, FFO, GNV, JJA, LPM, OVV, SV, TNL)	616
VE4JR	56
VE6AFO	269
VE7FB	128

CRRL Section Traffic Manager Reports

Call	Orig	Rcvd	Sent	Divd	Total
VE1BTV	2	32	32	0	66
VE1ALU	2	17	18	1	38
VE1YS	1	7	10	0	18
VE1DLC	1	5	0	4	10
VE1VAR	2	2	2	0	6
VE1CRS	0	1	0	1	2
VE2GOP	0	38	0	38	76
VE2BP	2	17	15	19	53
VE2JN	5	16	16	11	38
VE2WH	0	12	12	11	35
VE2ALE	0	1	1	1	3
VE3ORN	17	157	124	52	350
VE3BCZ	10	49	58	8	125
VE3GSO	0	63	57	1	121
VE3DVE	2	41	55	3	101
VE3GNW	1	40	50	1	101
VE3BDM	0	80	13	0	93
VE3CYR	3	70	17	2	92
VE3GT	0	37	47	1	85
VE3EUI	0	25	22	1	48
VE3AJN	0	16	30	0	46
VE3NVJ	2	1	14	3	20
VE3LPM	0	5	9	5	19
VE3MNI	1	5	10	1	17
VE3BAJ	0	1	7	0	8
VE3CVK	0	3	1	3	7
VE3SB	0	3	3	0	6
VE3WV	1	1	1	1	4
VE4JA	10	110	82	50	252
VE4FP	0	90	80	7	178
VE4STU	0	30	30	3	63
VE6XG	0	37	15	25	77
VE6CE	0	17	19	6	42
VE6CHK	0	1	15	15	31
VE6CPP	1	0	14	14	29
VE6GUS	1	0	10	10	11
VE6GIL	0	3	3	0	6
VE6AKY	0	3	3	0	6
VE7BNI	19	161	228	40	448
VE7EJU	0	67	52	3	122
VE7FAZ	0	32	30	2	64
VE7XA	3	24	26	8	61
VE7ANG	1	27	25	2	55
VE7EGM	2	21	29	2	54
VE7BCL	3	24	14	8	49
VE7BCF	0	19	10	0	29
VE7OM	0	17	10	0	27
VE7BVZ	0	12	13	0	25
VE7CCJ	1	13	11	0	25
VE7AVA	1	6	14	1	22

Call	Orig	Rcvd	Sent	Divd	Total
VE7BZ	1	9	1	9	20
VE7FB	0	6	7	4	17
VE7GKA	0	8	8	0	16
VE7ALV	1	7	1	1	10
VE7BZ	0	7	2	1	10
VE7DJ	3	3	3	0	9
VE7WE	0	2	1	0	3

National Traffic System

Net (Mgr)	Sess	QNI	QTC
APN (VE1YS)	29	167	134
KTN (VE3AJN)	13	82	8
OPN (VE3BDM)	31	689	219
OQN-I (VE3GSO)	27	46	19
OQN-D (VE3ORN)	31	146	40
OQN-E (VE3CYR)	31	156	84
OQN-L (VE3GSO)	61	79	85
MTN (VE4IX)	30	300	40
MMWX (VE4TE)	31	516	19
MEPN (VE4LB)	31	1511	26
APSN (VE6AKY)	31	1737	17
ATN (VE6CPP)	31	248	76
BCEN (VE7EJU)	31	872	318

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

This listing is available to amateurs whose public service performance during the month indicated qualifies for 60 or more points in the following nine categories (as reported to their SM). Please note maximum points for each category: (1) Checking into CW nets, 1 point each, max 30; (2) Checking into phone/RTTY nets, 1 point each, max 30; (3) NCS CW nets, 3 points each, max 12; (4) NCS phone/RTTY nets, 3 points each, max 12; (5) Performing assigned NTS liaison, 3 points each, max 12; (6) Delivering a formal message to a third party, 1 point each, no max; (7) Handling an emergency message, 5 points each, no max; (8) Serving as an EC or NM for an entire month, 5 points max; (9) Participating in a public-service event, 5 points each, no max. 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: VE4JR (156), VE3ORN (151), VE3GNW (107), VE3BDM (92), VE4STU (92), VE3CYR (66)

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	156	1
ARES Ontario (VE3GV)	1	6	0
CRRL ONTARS (VE3FOV)	31	12962	0
Grey-Bruce (VE3BDM)	31	101	17
Grey-Bruce SS (VE3BDM)	31	92	47
Trans-Provincial (VE3EUI)	31	11374	9
Aurora-1 (VE4AHG)	31	1307	8
Aurora-2 (VE4FP)	28	1612	7
ARES Alberta (VE6AKY)	8	265	6

up for Essex and Kent counties, and reports began to come in, the most notable from Jim Cowan, VE3KUC of Woodslee, who reported 2.5-cm hailstones. What I didn't know was that the worst had already happened northwest of London, in Middlesex county.

"The following is taken from actual logs: At 1400, a net was established for Middlesex, Oxford and Elgin counties with Bruce McCoy, VE3GDZ, as net controller. At 1540, a report of a wall cloud and a small funnel moving rapidly east came in from Bill McHugh, VE3CSK, in Nairn. This information was passed to the Ontario Weather Centre, and at 1550 a tornado warning was issued for Middlesex and Elgin counties. The same information was passed to the media outlets in the area, the Ontario Provincial Police and 911. The storm was tracked south to Poplar Hill, touching briefly and uprooting trees and dropping hail 2.5 cm in diameter. At 1610, it struck the village of Komoka and five minutes later, a large funnel and wall cloud were sighted at Strathroy. CANWARN spotters reported damage and injuries a short while later and ambulances were dispatched...."

At this point, we pick up the story from Bruce, VE3GDZ:

"Toronto radar confirmed the presence of thunderstorm cells just on the northerly edge of London near Fanshawe Lake. Suddenly, the storm divided and storm

cells were popping up like mushrooms. There were reports of heavy rain, frequent lighting and thunder, winds and clouds with clockwise rotation, counter-clockwise rotation, and rotation in both directions at the same time—the top going one way and the bottom the opposite. Hail, ranging in size from that of small peas to golf balls, was reported in Strathroy, Mount Brydges, North London, West London, Downtown London, Westminster Park, Byron and the Glencoe area.

"Carl, VE3ZCO, on his way home to Glencoe, reported spotting two wall clouds with funnels. Suddenly, Carl was caught in the midst of it all. His van began rocking, trees came across the road in front of him, the air was full of flying objects, and for a while, Carl was pinned down. Through it all, he was able to stay on the air and, eventually, was able to get clear of the area and home safely.

"Meanwhile, to the south in Elgin County, Al, VE3RPM in St Thomas, indicated that the sun had just gone in and that it looked like rain. Shortly after that, Wayne, VE3LSU, reported from St Thomas that rain was falling with wind, hail, thunder and lightning. Other St Thomas stations reported flags standing straight out, hail the size of golf balls, and funnels. Jim, VE3NMZ on Highway 401, had to pull over because of the heavy rain and hail. Jack, VE3GDJ just east of St Thomas relayed reports from the St

Thomas repeater. Word came that the village of Frome on Highway 3 had been hit, and that 80 per cent of the buildings were damaged or destroyed.

"Back in London, we were being dumped on! General reports of heavy rain, frequent thunder and lightning, strong winds and changes in wind direction were being received. The power went off at the weather office, but thanks to the forethought of Doug, VE3OLN, the back-up power for the rig worked perfectly. Phones went down, the radar quit, but the IC-22H kept on working under emergency power."

Randy's report concluded as follows: "Overall, funnel and/or tornado activity lasted for approximately one hour, touching down with destructive results. At the peak of the storm, the tornado reached level 3 on the Fujita intensity scale. There are six levels on this scale ranging from F0 to F5. At F3, winds may range from 250 to 330 kilometres per hour, and damage is classed as 'severe'.

"As I write this, total damage figures are not yet in, but undoubtedly will be in the multi-millions. Why then were not more people injured or even killed? The reason is that a warning was issued with ample lead time, thanks to trained and conscientious weather spotters.

"The London program is only in its first season, but already, it has proven itself. Severe weather can strike anywhere, and the people of Middlesex and Elgin owe a vote of thanks to the radio amateurs in their counties. This is one of very few programs where a private organization has joined forces with a government agency to help save lives. [The Search and Rescue program in Nova Scotia and Réseau d'Urgence in Quebec would be other examples.] Words cannot describe the pride I share with John Hoekstra in the amateurs of Ontario—and especially the CANWARN spotters."

CANWARN now covers the following counties in Ontario: Addington, Elgin, Essex, Frontenac and Lennox, Hastings, Kent, Lambton, Middlesex, Oxford, and Prince Edward. Amateurs in Quebec City also started a network last summer and we wish them well. Interest in CANWARN is growing, and support from clubs has been exceptional. If your club is interested in developing a program in coordination with a local weather office, write to Randy Mawson, VE3TRW, Weather Office, Windsor Airport, R R 1, Windsor, ON N9A 6J3. —Bob Boyd, VE3SV ■

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