

JUNE 1994

THE GROUNDWAVE



NEXT MEETING WILL BE HELD
WEDNESDAY, JUNE 1, 1994

Club Call VE3RC

Repeater VE2CRA



The Ottawa Amateur Radio Club, Inc., Box 8873, Ottawa, Ont., K1G 3J2

President	Paul Coverdale, VE3ICV	820-6643	763-4277
Vice-President	Roger Swickis, VE3BZR	234-9836	228-6310
Secretary	Johnny Mroz, VE3EIE	729-0411	
Treasurer	George Roach, VE3BNO	234-0885	738-2372
Past-President	Peter Jago, VE3PWJ	836-1013	
Directors	Ken Willing, VE3CCV	733-9140	225-9776
	Doug Yuill, VE3OCU	820-3202	
	Barry Hall, VE3BXH		
Packet Group Chairman	Eric Taada, VE3SGG	749-4264	990-0771
Repeater Chairman	Harrie Jones, VE3HYS	739-9365	738-2372
Net Manager	Wayne Greenough, VE3JSQ	836-5320	724-5464
EMI Committee Chairman	Ralph Cameron, VE3BBM	825-1634	225-2850
Membership Chairman	Richard Hagemeyer, VE3UNW	225-3275	953-0638
Nat. Cap. Award Manager	Brian Summers, VE3JKZ	523-1535	738-6263
Publicity	Mike Pilon, VE3BUP	731-1567	
Groundwave Editor	Mike James, VE3PDE	592-2962	995-2730
Graphic Designer	Maria Townson, VE3KIP	828-9573	
Production Committee	Paul Campbell, VE3CEP	733-0148	
	Chuck Baker, VE3PAP	824-1941	
	Ted May, VE3ADZ	741-0862	
Delegated Examiners	Richard Hagemeyer, VE3UNW	225-3275	953-0638
	Mike Kelly, VE3FFK		788-2600
Coffee Guy	Michael Kostiuik, VE3KOY	728-5409	

THE OTTAWA AMATEUR RADIO CLUB, INC. is an association of Radio Amateurs devoted to the promotion of interest in Amateur Radio communications in the National Capital Area; and to the advancement and achievement of club members.

REGULAR MEETINGS of the OARC, Inc., are held on the first Wednesday of each month (except July and August) in the Champlain Room (2nd floor of the Old Teacher's College) of the RMOC HQ complex on Lisgar St., Ottawa, at 1915 hours. Further details about each meeting is elsewhere in this publication.

THE OARC EXECUTIVE normally meets on the second Wednesday of each month at 1930 hours. Contact the President to confirm the date of the next meeting.

PACKET RADIO MEETINGS will be held at 7:30 p.m. on the last Thursday of every 2nd month, starting September 1993, at the Museum of Science and Technology. This is an OARC technical meeting open to all who have an interest in packet radio.

DEADLINE FOR COPY is the second Wednesday of each month. Make yourself better known to fellow members and other amateurs, too, by giving us an article, technical or otherwise, relative to our hobby.

MATERIAL PUBLISHED herein does not necessarily represent the official OARC viewpoint. Items may be reprinted by Amateur Radio or other publications provided that proper credit is given to the author and to the OARC, Inc.

JUNIOR MEMBERSHIPS - To encourage young people to join the club and to participate in amateur radio, the club is opening a junior class of membership. Dues will be at a 50% discount but the junior member must pick up his/her copy of the Groundwave (preferably at the meeting).

RADIO AMATEUR CALL BOOKS are available at many local libraries. Ask at the information desk.

SAFETY BELTS AND AN ENGRAVING PENCIL are available for loan to club members. The engraving pencil (to mark valuables for identification in case of loss or theft)

and the safety belts with pole straps are available to any members. For the belts, a refundable deposit consisting of a cheque equal to the replacement value of the belts is required. Contact the President for the engraving pencil; and Paul, VE3ICV, at 820-6643 (West End) or Brian, VE3JKZ, at 523-1535 (East End) for the belts.

THE CAPITAL CITY NET meets every Monday at 2000 hours on the Club Repeater VE2CRA (146.34/.94) to pass traffic and to make announcements of interest to amateurs in the National Capital Region.

PACKET RADIO VOICE NET meets following the Capital City Net on VE2CRA at 2040 hours. This is an informal net to answer questions about packet radio, pass along operating hints and provide information for future packet operators.

THE SWAP NET is a service provided and conducted by Ed Morgan, VE3GX. This feature appears on the Capital City Net, noted in the foregoing paragraph. To list items and make inquiries, call Ed Morgan at 733-1721.

POT-HOLE NET is a SSB/HF net sponsored by the Ottawa Valley Mobile Radio Club, and conducted every Sunday at 1000 hours on 3.760 Mhz. All amateurs are welcome to check in. The Swap-Net is a regular feature.

POT-LID CW NET is an informal slow-speed CW net sponsored and conducted by Ed, VE3GX, and meeting every Sunday, except during July and August, at 1100 hours on 3.620 Mhz, to promote interest in CW and CW procedures.

REPEATERS

VE2CRA	Voice	146.94/34
		443.300/448.300
VE3OCR	Packet	145.01(sx) Inter city links
VE3OCR	Packet	145.07(sx) Local Area net for QSO and Packet BBS.
56 kbps	Packet	220.55/433.55
VE3DX	DX Info	146.25/146.85;
	Packet	145.11(SX)

For further information, please contact repeater chairman.

CONTENTS

MINUTES OF OARC GENERAL MEETING . . 3
 PROPOSED CHANGES
 TO THE CLUB CONSTITUTION 4
 MAY TALK - SARSAT 4
 mk's WORDS 5
 AGENDA FOR JUNE MEETING 5
 WHERE'S THE AFTER-EASTER BUNNY . . 6
 RADIO AMATEURS OF CANADA 6
 OARC FLEAMARKET 8
 LETTER FROM BASIC COURSE STUDENT . 8
 THE INTER-PROVINCIAL
 AMATEUR RADIO NETWORK 8
 FIELD DAY CONTEST 9
 IT'S AGAINST THE LAW 9
 JOE NORTON TRUST AWARD 10

MINUTES OF OARC GENERAL MEETING
HELD MAY 4, 1994

The meeting was opened by the president, Paul Coverdale, VE3ICV, at 19:35.

Paul invited guests to sign the newly acquired guest book and stay afterward for a complimentary coffee during the rag chew.

The signed in guests were:

- Peter Bennet, VE3EPB
- Andre St-Jacques, VA3ASJ

Richard Hagemeyer, VE3UNW, announced that OARC Ottawa Region Repeater Maps were available at the front and thanked Len, VE3AWT, for a FB job. Errors and omissions can be given to Richard.

Richard also had English and French copies of RIC-24, RIC-25 and RIC-3 available up front.

Richard, VE3UNW, reported that the basic course started yesterday (May 3) with a full house and a wide variety of students including some families.

Paul Cooper reported the DX cluster BBS was in operation and went over some of the history of the DX cluster and some procedures. He encouraged all who love DX to use this service.

Roger Swickis, VE3BZR, made an appeal for auditors. Preferably two hams, not current or immediate past members of the executive, are needed to audit last year's books.

A vote of thanks was given to Johnny, VE3EIE, for his excellent if brief tenure as club secretary. His superb skills writing up the "flavour" of our club meetings will be missed.

Paul, VE3ICV, mentioned that the ARRL Field Day is once again upon us. This year's will be on June 25-26. Our club will be putting in another strong showing as in past years. If you would like to participate with "Coverdale's Commandos" contact Paul.

A recent bunny hunt, held by John, VE3JKG, and Bob, VE3SZA, was won by a club member, Maurice-Andre, VE3VIG.

Doug reported on the recent activities of the RAC advisory committee. An interesting thrust of the department is that they are actively pursuing the idea of "dumping" the administrative chores associated with amateur radio. RAC is working closely with Industry Canada on this.

The Canadian Amateur, the official publication of RAC, is making an appeal for technical articles. They are hoping up to four pages a month can be devoted to this.

Peter Hafichuck, VE3LBW, reported on upcoming flea markets.

The guest for tonight was Paul Griffiths, VE3PGL, who spoke on SARSAT, the Search and Rescue Satellite operation in Canada and around the world.

He presented various viewgraphs explaining SARSAT's operation and giving various statistics. Three videos were also presented, one from Australia, one from Canada and a "home-brew" video of Paul putting up the Japanese antennas and ground station.

Fred Green, VE3IO, has a Hammerlund HT129X which is available to a new young ham requiring equipment.

The meeting closed at approximately 21:15 and was followed by coffee and a rag chew.

PROPOSED CHANGES TO THE CLUB CONSTITUTION

The Executive will recommend the following changes to the Club constitution:

- a) Twelve people from the executive are voting members (expansion);
- b) Five voting members are a quorum for regular executive meetings (reduction);
- c) Eight voting members are a quorum for special executive meetings.

Part a) to include the packet working group Chair and the membership Chair.

Part b) to be constituted among the President, Vice-president, Secretary, Treasurer, and any three other voting members.

Part c) to be constituted among the President, Vice-president, Secretary, Treasurer, and any five other voting members.

These are expected to improve the service given by the Executive.

MAY TALK - SARSAT

Paul Griffiths, VE3PGL, gave the club an update on SARSAT, the satellite system used to locate downed aircraft and other lost or distressed carriers which have emergency locator transmitters (ELTs). The system stems from a 1971 study which led to an agreement in 1977 between the US, Canada, France, and Russia. The Russian system is called COSPAS.

ELTs operate on 121.5 MHz, 243 MHz or 406 MHz. On aircraft the transmitter may be actuated by impact. The signal is received by one or more of six satellites now in operation, and the information is relayed to a ground station which must be in line of sight. The lower frequency ELTs depend on the changing doppler shift as recorded at the satellite to give their location, while the 406 MHz ones operate digitally. The accuracy of the doppler is within 20 km; that of the digital systems is 5 km.

All stations in the world except those of Russia, Norway and France are Canadian designed. Canadian ground stations are located at Churchill, Edmonton, Ottawa, and Goose Bay. A system is now available for wilderness travellers, which should be of comfort to people travelling by foot, canoe or snowmobile in the arctic.

To date the system has been of use in 1,267 aviation accidents, 2,020 marine incidents, and 183 land rescues.

Paul showed videos of an installation in progress in Japan and of the Australian marine use of SARSAT.

mk's WORDS

May 9 94

Before long the teams eliminated in the early rounds of the Stanley Cup Playoffs will be holding their season opener at the same time as the top teams decide the winner of the previous year's cup.

I tried the W1AW code proficiency test in early May... What a bunch of chicken scratching. I'd forgotten how bad my writing (printing) gets at "high" speed. It felt like it did many years ago when I last tried to copy solid onto paper. Lucky for me, the ARRL only requires one minute of solid copy for their award, as opposed to the three that I.C. (pronounced "ick" or Industry Canada) requires for their test. My mess just might qualify.

This past weekend's project was to replace the 30 M dipole with a 40 M loop.

The feedline is about 3 M of 75 ohm co-ax. It's just what was handy. Some rainy day I'll make a window feedthrough for the 450 ohm ladder line I got for the job. I hope to be able to use the loop, through a matcher, on "all" bands. Coincidentally, there is an article in the April issue of 73 Magazine about just such an antenna. Since I read it after I planned mine, I ignored their notes about keeping the wire away from tree trunks and big branches. The results look good anyway, at least so far.

I'm looking at replacing the 80 M rubber duck with a compact loop antenna, along the lines of the one in the article in May QST only, of course, bigger. To do that, I'd have to do some yard work out back, and I hate doing yard work. Maybe next year.

All this antenna stuff is good practice for field day, North America's best attended picnic. Speaking of picnics, remember that the June VHF/UHF QSO party is coming up the weekend of June 4-5.

Take the family to a high spot and try it even if just on FM. They might even save a sandwich and a cold drink for you.

That bit about picnics reminds me, it's Thunderstorm season, so remember to disconnect your co-ax, power, rotor and phone lines from your rig when you aren't using it. If that's too much work, then it's time to rearrange your cables and add connectors until it's easy to do. A switch would have to be REALLY big to get the same isolation you get when you put all the cables onto a hook on the wall. Keeners among you can ground the rotor and rf stuff too, just to be sure.

And, speaking of keeners, the basic course is launched for another summer, looks good so far. I'll keep you posted.

Last word... BAR-B-Q (Wonder if I can put an antenna on that thing).

73.. mk VE3FFK

AGENDA FOR JUNE MEETING

1. Proposal re Executive - as per February 9th Executive minutes (see item on page 4).
2. Slate of officers:
 - Roger Swickis, VE3BZR, President
 - Richard Hagemeyer, VE3UNW, Vice-President
 - Larry Woram, VE3WLN, Secretary
 - George Roach, VE3BNO, Treasurer
 - Paul Griffith, VE3PGL, Director
 - Bob Peterson, VE3IDG, Director
 - Ed Sieb, VE3RDZ, Director

**WHERE'S THE AFTER-EASTER BUNNY
- VE3BNE (Unofficially)?**

What a day for "B" hunting, it was cool and cloudy with no snow, no freezing rain and no slush! Jacques and I having won the -24C COLD hunt in January decided to have our hunt during the spring. It was held on April 9th: check-ins were taken from an unrelated position (to confuse early DFers) at 1030.

A mad dash in the car to the top level of the St. Laurent Shopping Centre parking complex had us in a rush to set up our "Bunny Hutch". A 5 element beam was mounted on a clothes line tripod and we were on the air at 1100. Or at least we thought until Jacques pointed out that I had the wrong cable hooked up and backwards through my SWR/Power meter! We were transmitting at about 40 watts to the northeast between 2 high-rise buildings. The direction of the beam and power level were changed a couple of times in an attempt to confuse the hunters.

The hunt was won by John, VE3JKG, and VE3SZA, in a mere hour and five minutes. They had found us after driving all the way from Bell's Corners, the Airport Parkway, Coventry Road and through the entire parking lot to our location. They now have the Bunny VE3BNE in their possession and can claim exclusive bragging rights. They will be planning the next hunt and will furnish details as their plans materialize.

The second place arrivals with only six minutes to spare were Chris VA3SID and Al VE2TYJ. Al was so frustrated from driving around the block looking for us that Jacques finally hinted we were not at ground level! We announced the Bunny Hutch site at 1300 and asked all arrivals, including Rob VE3SJM and Darryl VE3EKV to identify the various sounds we had transmitted. Some of those sent were code, crows, birds, chicken, CHU time

signal, dogs, etc. Honourable mention to Rob VE3SJM for identifying the most sounds. Rob, by the way, also heard interference on the hunt frequency (carriers, giggles, etc.) and tracked a real RAT to Pretoria Bridge area.

Congratulations to all the other participants: Bob VA3RCS and Maurice-Andre VE3VIG. We hope to have many more amateurs join in the fun on the next hunt.

by Larry Wilcox VE3WEH
and Jacques Choquette VE3TSC

**RADIO AMATEURS OF CANADA
NEWS SERVICE**

TRC-86 IS INDUSTRY CANADA LISTENING???
Your letters of complaint to have an impact in Ottawa. You have got Industry Canada's attention - just barely! Read on!

At a recent meeting with RAC over the flawed TRC-86 proposal to control the transmission of "interfering" RF signals through field strength measurement standards, Industry Canada (IC) officials admit to being swamped by letters from irate amateur radio operators from across Canada. Letters of complaint are coming down from the Prime Minister's and other Minister's offices in large quantities. The mail has been so heavy that for weeks, answering it has taken up to 80% of a key person's time to provide responses to the higher echelons of government.

Industry Canada gave no indication that the flawed policy behind TRC-86 will be scrapped, said RAC President Farrell Hopwood VE7RD. The question Mr. Hopwood asked is, "Will the government be just and reasonable to Canada's amateurs and consumers?"

If you wish to write Mr. Manley, Minister of Industry, his address is:

The Honourable John Manley
Minister of Industry
C.D. Howe Building
235 Queen Street
Ottawa, Ontario K1A 0H5

Keep in mind that no postage is required when writing to the Minister. You may also wish to send similar correspondence to your Member of Parliament which may also be mailed postage free. (Item 1, Bulletin No. 04-94.)

TRC-86 "UNACCEPTABLE & VICTIMIZES AMATEURS" RAC (Radio Amateurs of Canada) told officials of Industry Canada (IC) at the March 17, 1994 meeting of the Canadian Amateur Radio Advisory Board (CARAB) that IC's TRC-86 proposal to set standards for so-called "interfering" RF transmissions is "flawed" and that it is completely unacceptable.

RAC's Ralph Cameron VE3BBS pointed to the serious inconsistencies in the proposal and reminded IC that the Radio Advisory Board of Canada's (RABC) EMC Committee also takes issue with the document.

While RAC acknowledges IC's desire to adopt appropriate regulatory standards and to establish procedures to measure and control the field strength of RF transmissions, the imposition of such controls is unacceptable to RAC without the simultaneous reciprocal adoption of appropriate government regulations and standards to control the sale and use, to Canadian consumers, of inferior RF susceptible devices. IC officials noted that amateurs, transmitting from mainly urban areas, would be especially impacted by the proposed standards.

RAC Vice President of Government Affairs, Earle Smith VE6NM, emphasized that RAC will continue to pursue the adoption by Canada, of mandatory RSE (radio sensitive equipment) standards for equipment sold

in Canada. Any attempt to impose this "one-sided" control on amateur stations will be viewed as an unjust victimizing of transmitter owners by the government of Canada, he said. (Item 5, Bulletin No. 04-94.)

DIGITAL COMMUNICATIONS ADVISORY COMMITTEE
The RAC (Radio Amateurs of Canada), Board of Directors has announced the formation of the Digital Communications Advisory Committee (DCAC). The Committee will advise the Board of Directors and National Executive on the current use, trends and future of amateur radio digital communications. The committee will engage in evaluating and planning on all matters concerning digital technology and its impact on amateurs in the use of the radio frequency spectrum.

The Committee will be chaired by Doug Frame VE3JDF of Ottawa. The nomination of suitable committee members from across Canada is underway. Contact your Regional Director for further information.

More details on the make-up, activities and goals of the Committee will be outlined in a future issue of TCA (The Canadian Amateur Magazine). (Item 2, Bulletin 04-94.)

OUTGOING QSL BUREAU - The Radio Amateurs of Canada offer a service to members for the outgoing mailing of QSL cards. The address is: RAC Outgoing QSL Bureau, Bag 5000, Morinville, AB., T0G 1P0. The custodian is Norm Waltho VE6VW.

Reports coming from the Bureau indicate that a huge backlog of cards has been recently sorted and cleared. They weighed around 500 Kg. (Item 3, Bulletin 04-94.)

UPCOMING EVENTS - The Quinte Ontario Amateur Radio Club Hamfest and Computer Show will be held Saturday, June 18, 1994, at Dick Ellis Arena, Harder Drive, Belleville, Ontario. Doors open at

9 a.m. For more information contact Don VE3DQN 613 968-9242 or Ron VE3UGU 613 967-1318. (Item 4, Bulletin 04-94.)

WINNIPEG 70 CM TV "PIGGY-BACKING" TO STOP
Radio Amateurs of Canada (RAC) has been assured by Industry Canada (IC) that recent special "Experimental" TV licenses for some Winnipeg schools operating inside the edge of the amateur 70 cm band will not be renewed. The licenses expire June 30, 1994. RAC officials, working with and through the Winnipeg Amateur Radio Club, in co-operation with IC officials in Winnipeg and with Industry Canada in Ottawa, have been assured that operation in the 70 cm band will cease.

While RAC applauds the use of distance educational programs through the use of TV facilities, RAC maintains that enterprises which are non-amateur in nature must apply to operate on commercial institutional bands and not "piggy-back" on the amateur service. To do otherwise would set licensing and operational precedents which could undermine the non-commercial use of the amateur radio bands. The amateur bands must not be forfeited to users who are seeking economic savings under the guise of service to the community. (Item 10, Bulletin 04-94.)

OARC FLEAMARKET

Remember to get ready this summer for the OARC Fleamarket on October 15, 1994.

LETTER FROM BASIC COURSE STUDENT

Here is a letter received from one of last year's basic course students

Dave and John,

You may remember me from about a year ago in your amateur radio course. I was the

one asking questions about taking a radio to Guatemala. Well, I made it here and have been here for the past seven months. Since December, I've been living with a group of refugees that I returned from Mexico with. In this community of 1300 there are two rigs - one with UNHCR (United Nations High Commissioner for Refugees) and one with Medicos del Monde, a French NGO providing medical service here; I'm sorry that I haven't noted their operating frequencies for you but assume that you're not missing much as their conversations are in Spanish and pretty routine.

It's worth repeating a sense that I had in your classes last year. I had this sense that you guys were providing a real community service for the sheer joy of it. This was encouraging to see and speaks highly of you as well.

Thanks again for your help.

Yours,
Colin Rowat

THE INTER-PROVINCIAL AMATEUR RADIO NETWORK

Dear Fellow Amateur Radio Operator:

The Inter-Provincial Amateur Radio Network (IPARN) is a non-profit organization building a nation-wide communications network for Canadian amateurs. By interconnecting VHF/UHF terrestrial networks via the Anik E1 geostationary satellite, amateurs can communicate throughout Canada from their local repeater.

To date, IPARN covers much of Ontario, Alberta and British Columbia. There are approximately 60 repeaters in the system and any one can be dialed up at will from your mobile, base station, or handheld using the DTMF pad.

We are writing to you because IPARN and our members in the Maritimes need your support to make this happen. IPARN is 100% funded by membership revenue from Amateurs like yourself. Join IPARN today and you will receive a special certificate to recognize your role as an "Atlantic Pioneer" in bringing IARN to the Atlantic region. These will only be issued up until we are operational, and we are aiming for a turn-up date to be announced, but expected to be during the coming summer.

Joining today will also allow you to follow the progress of the expansion and be knowledgeable about the network when it becomes operational. We will acknowledge you in our publication NETWORK which members receive every two months. You also get a complete Operator's Manual, roster, and membership card in your welcome package.

The IPARN network will allow hand-held communications from coast to coast for travellers, friendly QSOs, contacts with relatives, nets, and more. IPARN is a world-first and one of the best innovations that amateurs have been responsible for in recent time.

Membership is just \$36 for one year, \$95 for three years, or \$150 for five years. Please make your cheque or money order out to "IPARN" and mail along with your name, address and call-sign to IPARN, Dept. 394, P.O. Box 3156, Langley, BC V3A 4R5. Thank you!

73, IPARN.

FIELD DAY CONTEST

The Field Day Contest will take place June 25-26, 1994. Anyone interested in participating should contact Paul Coverdale, VE3ICV, at 820-6643 (home) or 763-4277 (office).

IT'S AGAINST THE LAW

All of the laws listed below were laws in Canada at one time, and many of them are still in the books!

- A Winnipeg bylaw forbids anyone from striking a sidewalk with any metal object.
- It's illegal to fish in the Yukon with an unbaited hook.
- An old law in Winnipeg declares that one may be fined for kissing a woman on the street.
- In St. John's, Newfoundland, there are strict laws governing the size of raisin bread. A loaf may weigh no more or no less than 1-1/4 pounds.
- In Toronto, it is against the law to run for a streetcar.
- In Charlottetown, the law forbade anyone from buying liquor without a prescription from his family doctor saying it was for medicinal uses only.
- In Vancouver it is illegal to tricycle faster than 10 miles an hour.
- In Saskatoon, Saskatchewan, it is illegal to try to catch fish with your hands.
- Residents of Winnipeg may be arrested for sprinkling salt on the street.
- Tightrope walking is prohibited over the main streets of Halifax.
- In Saskatchewan, it is unlawful to drink water in beer parlors.
- Toronto bylaw 4305 stipulates that bathing suits must cover a human from the neck to the knees.
- In Edmonton, "all bicycle riders must signal with the arm before making a turn, and a bicycle rider must keep both hands on the handlebars at all times."

de Bulletin of the
Guelph Amateur Radio Club

**JOE NORTON TRUST AWARD
FOR AMATEUR RADIO**

The Ottawa Amateur Radio Club Inc. awards annually the Joe Norton Trust Award for the advancement of amateur radio. The amount of the award this year is approximately \$525.

ELIGIBILITY

To be eligible, a candidate must:

1. Be a resident of the National Capital Region as defined by the official federal government map;
2. Have received a Certificate of Proficiency in radio from Communications Canada during the period June 1, 1992, to June 1, 1994;
3. Send a written submission of no less than 600 words and no more than 900 words to the Executive of the Ottawa Amateur Radio Club Inc., setting out his/her interests, achievements and plans to contribute to the advancement of amateur radio; and
4. Present him/herself for an interview if so requested by the judges.

RULES

1. Entries must be received on or before September 3, 1994. No entries received after that date will be considered.
2. The club will send acknowledgement in writing upon receipt of an application.
3. A panel of judges appointed by the Executive of the Ottawa Amateur Radio Club Inc. will evaluate all entries submitted before the deadline.
4. Finalists may be interviewed by members of the Executive of the Ottawa Amateur Radio Club Inc. or the panel of judges or both.

5. Submissions will not be returned unless accompanied by a self addressed stamped envelope.

6. If the judges do not select a candidate in any year, no award shall be made in that year and the monies shall return to the Fund to be awarded in subsequent years.

7. The decision of the Executive of the Ottawa Amateur Radio Club Inc. in the selection of a recipient of this award is final.

8. The winner will be notified on or before September 20, 1994.

9. The winner will notify the Ottawa Amateur Radio Club Inc. of his or her acceptance of the award no later than September 27, 1994.

10. The award will be made during the regular club meeting in the month of October 1994.

11. The winner agrees to have his or her name, photographs and address published in club bulletins, trade papers and on the airwaves.

SEND YOUR ENTRY, TO BE RECEIVED NO LATER THAN SEPTEMBER 3, 1994, TO:

The Joe Norton Trust
Award for Amateur Radio
The Ottawa Amateur Radio Club
P.O. Box 8873
Ottawa, Ontario
K1G 3J2