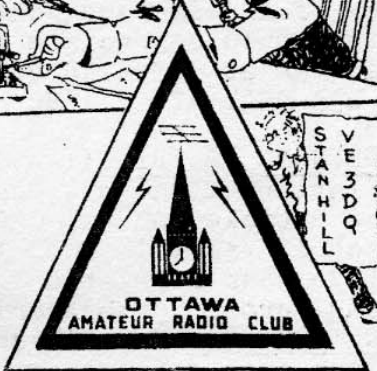
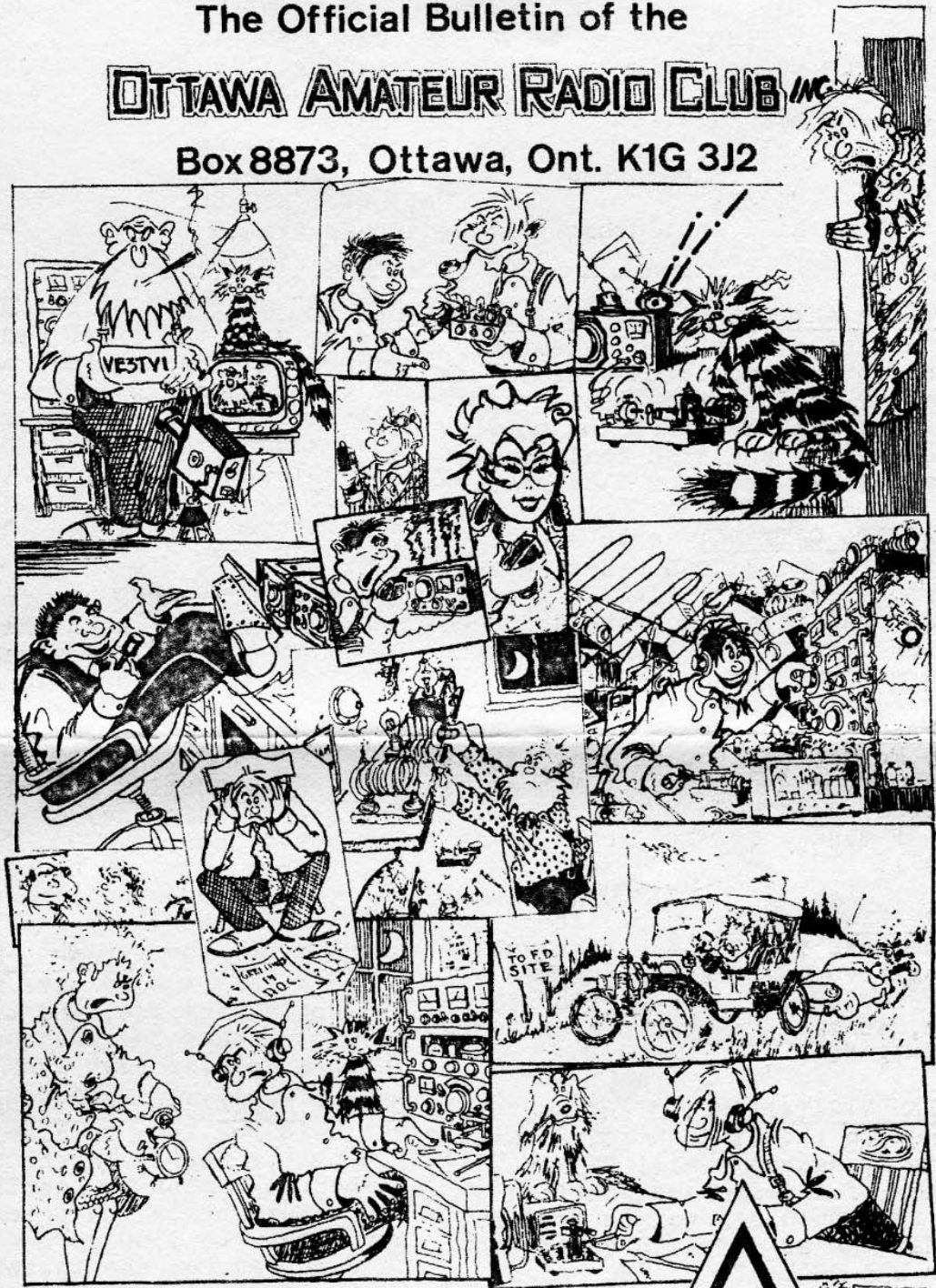


The Official Bulletin of the OTTAWA AMATEUR RADIO CLUB INC

Box 8873, Ottawa, Ont. K1G 3J2

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STAN HILL
VE3DQ

Page 2 THE GROUNDWAVE - OFFICIAL BULLETIN OF THE OTTAWA AMATEUR
RADIO CLUB, Inc.

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THE OTTAWA AMATEUR RADIO CLUB, INC. is an association of Radio Amateurs devoted to the promotion of interest in Amateur Radio communications in the Ottawa regional area and to the advancement of the technical competence and achievement of Club members.

THE CAPITAL CITY NET meets every Monday evening at 2000 hours on the Club repeater VE2CRA (146.34/146.94) to pass traffic and to make announcements of interest to Amateurs in the Ottawa regional area.

THE SWAP NET, a service to the Ottawa Valley Mobile Radio Club Inc., is repeated on the Capital City Net and is conducted by Ed Morgan VE3GX. To list items or make enquiries, call Ed at 733-1271.

An ENGRAVING PENCIL is available to Club members to mark their valuables for positive identification in case of loss or theft. For further information, contact Penny Robinson VE3ERO at 225-1276.

HOSPITAL VISITATIONS to any Amateur confined to the Civic Hospital will be made by Maureen Neill VE3FZY. If you know of any amateur confined there who would appreciate a visit, call Maureen at 725-4748 during the day or 233-9941 after 1730 hours.

SEE YOUR NAME IN PRINT!!--- in National and International publications. Write an article for the GROUNDWAVE and watch it travel! Many local articles have been reprinted in Club bulletins across North America. DEADLINE FOR COPY for all articles and announcements is the second Wednesday of each month.

REGULAR MEETINGS of the OARC, Inc. are held on the first Wednesday of each month (except July and August) at the National Research Council Auditorium, 100 Sussex Drive, Ottawa, at 2000 hours. A bulletin board is available for posting notices of interest to other members about 1915 h. For further details on the next meeting, see page 5.

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

THE OARC EXECUTIVE normally meets on the second Wednesday of each month in the Board Room of CFRA, 150 Isabella St., Ottawa at 2000 hours. Contact the president to confirm the date of the next meeting.

RENEW YOUR CARF AND ARRL MEMBERSHIP through the OARC to save money order and postal charges, and to help your Club. Contact the Treasurer for further details (see back cover).

SAFETY BELTS AND TWO METRE RIG are available for loan to club members. The two metre rig may be borrowed by members who must be hospitalized, and the safety belts and pole straps by any member (a \$100 refundable deposit is required for the latter). For the belts, contact Paul VE3ICV at 820-6643 if you live in the west end or Brian VE3JKZ at 523-1535 in the east end of town. Contact Brian for 2m rig. RADIO AMATEUR CALL BOOKS ARE AVAILABLE for use at the Orleans, Nepean, downtown and other city libraries. Enquire at the information desks of your local library for further information.

MINUTES OF THE OTTAWAAMATEUR RADIO CLUB, Inc

November 4, 1981

Brian VE3JKZ, President, called the meeting to order at 2005 hours and welcomed the following visitors: Rudolf DL6KAM (who will be spending the next year in the area); Len HB9AMS (ex VE3EWE); Lloyd Gallonzoski; and John Schindler.

When the members present were asked to indicate if they had not received the October issue of the GROUNDWAVE, three members raised their hands. The minutes of the last meeting were adopted as published in the GROUNDWAVE, on a motion by George VE3BNO seconded by John VE3DQM.

Lloyd VE3AYE, Treasurer, reported on the finances of the Auction:

| | |
|--------------------|------------------|
| Revenue: | |
| Snack Counter | \$107.85 |
| Flea Market | 60.00 |
| Auction Commission | 179.89 |
| Donated Items | 137.75 |
| Directory Sales | 12.75 |
| | <u>\$498.24</u> |
| Expenses: | |
| Rental | \$ 75.00 |
| Net Profit | <u>\$423.24</u> |
| VE3PN Estate: | |
| Flea Market | \$100.50 |
| Auction | <u>\$1350.00</u> |
| TOTAL | \$1450.50 |
| GRAND TOTAL | <u>\$1873.24</u> |

Murray VE3JSO reported that the donations from the estate of Joe Norton, VE3PN, was given to the Club for the purpose of assisting new would-be hams who might not otherwise be able to afford to get into the hobby. The membership were asked to provide the executive with suggestions as to how the funds might be effectively managed in a manner which will be in line with the wishes of the Norton family.

Brian reported that the Nominating Committee, under the leadership of John VE3DYJ, had completed its work and that a good slate of candidates had been nominated for office. The report of the nominating committee appears elsewhere in this issue of the GROUNDWAVE.

Fred VE3IO reported that he had received a good response from his request for assistance to a blind would-be amateur.

Bill VE3ARZ said that he had received no suggestions with regard to the need to supply rides for handicapped hams to the Club meetings, nor had anyone offered to organize this. Bob VE3JDB reported that he knew several people who would like to come to the meetings but found that they could not negotiate the stairs. Brian asked that a volunteer to coordinate rides and to investigate the access problem at NRC contact any member of the Executive.

Brian VE3JKZ had several QSL cards from the Bureau for people who did not have envelopes or stamps on file. He urged all members to either keep envelopes and stamps on file or to notify the Bureau that they do not wish to receive QSLs. Merv VE3CV offered to try to distribute the cards on hand.

It was announced that Ed VE3KLP had a few directories for sale at \$1.25 each.

Brian VE3JKZ reminded members that the annual Santa Claus on the Air events were rapidly approaching and that volunteers will be needed to organize the events and to participate. Please call Brian VE3JKZ or any member of the executive if you are interested.

Lloyd VE3AYE, Treasurer, introduced the motion to increase the annual dues as reported in the November issue of the GROUNDWAVE.

--Continued on page 4

MINUTES--Continued

1981 estimated Revenues:
\$2040

| | |
|---------------|-----|
| Membership | 74% |
| Auction | 12% |
| Interest | 7% |
| Miscellaneous | 7% |

1981 estimated Expenditures:
\$2490

| | |
|----------------|-----|
| GROUNDWAVE | 51% |
| Administration | 29% |
| Operating | 12% |
| Directory | 4% |
| Banquet | 4% |

While the cost to the Club of the Directory has been small in the past, there is a serious cash flow problem unless there is a considerable reserve available. A major expected cost increase for future years is that of postal rates: currently \$0.17--expected on the order of \$0.30. This plus general inflation results in the suggestion that single memberships should be increased to \$8.00 and family memberships be increased to \$10.00. It was proposed that for students or for those over the age of 65, the membership rates be kept at \$5.00 for single and \$7.00 for family. In addition, it was suggested that those renewing at the meeting could take advantage of the old rates. This was questioned from the floor, but it was pointed out that some had already purchased 1982 memberships, and that there had to be some cut-off date. Also, only about 25% of the Members were present. The important factor was that in future years, the rates would be more in line with the operating costs. The motion by Lloyd that the increase in dues be adopted as published in the GROUNDWAVE was seconded by Larry VE3CRX and was passed unanimously.

Fred VE3IO reported for the EMI Committee that a carrier was heard on 147.24 MHz in the area of Rochester Street. A member reported that this carrier could be detected during the meeting in the NRC audito-

rium. Other members reported various signals on the output frequencies of several local area repeaters.

Bill VE3ARZ presented the Award of Technical merit to Brett VE3JLG, the winner at Home Brew night. Bill also thanked the judges for their work in selecting the winner and runners up, as well as a standby judge.

Brian VE3JKZ regretfully announced that Walter VE3GBE had become a Silent Key.

Brian reported that the November QST gave the results of Field Day and that the OARC had placed 20th out of 137 in the 4A category and first out of nine in Canada.

Bill VE3ARZ introduced the guest speaker, Dick Atkinson VE3JBO. Dick was first licensed in 1976, received his advanced ticket in 1977, and the digital in 1979. He is interested in 75m phone, 20m RTTY, 15m CW and two metre fm. He works for Bell Canada, and is currently on a special assignment introducing remotely controlled test systems. He is President of the Pioneer Amateur Radio Club, the VE3TEL licensee, Technical Editor of "Ontario Amateur" and a director of the RSO. He also works with Croft Taylor repairing and aligning the surplus VUCOM terminals made available to amateurs by Bell.

Dick gave a most interesting and informative talk on the use of microcomputers for receiving CW and RTTY signals. He included a live demonstration with his KIM-1 computer, an HF rig and a VUCOM terminal, plus various interfaces. Dick stated that while he owned several microcomputers, his hobby is NOT computers, but amateur radio--he only uses computers for his hobby of choice!!

The meeting was adjourned on a motion by Brett VE3JLG, which was seconded by VE3MSX.

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CHRISTMAS QNI

T'was the night before Christmas, and I'd not heard the call before
 at last off the net,
 My traffic was cleared and all
 schedules met;
 The rig was shut down and all
 logging through,
 But the receiver (still on)
 whispered a signal or two.

I had just lit my pipe
 and stretched out my legs,
 When I heard a strange call
 on 3.6 Megs.
 Conditions were poor,
 as usual, and rough,
 With most signals fading,
 lost in the LUF.

But the op was persistent
 as he called MDD,
 Repeatedly, patiently,
 with a terse QTC,
 So I tuned on my rig
 and sent on my key,
 His call and mine and a quick QRV.

With a crisp QSK and HR NR 1,
 Preamble, Address and Text were begun.
 My copy was clean,
 and I gave not a thought
 To the message itself,
 or the SIG as I ought.

So I sent QSL,
 and then heard him say,
 "TU OM CU SK!"
 Then I turned off my gear
 on a now quiet band,
 And started to read the message at
 hand,

The address was us,
 with a Text rather trite,
 "MERRY CHRISTMAS TO ALL
 AND TO ALL A GOOD NIGHT."
 But the sig at the bottom,
 which I read with a start,
 Filled my mind with delight,
 gave a lift to my heart.

For those signals so faint,
 were DX so rare
 I'd not heard the call before
 on the air.
 It was bootleg I know,
 but nonetheless right
 For an Air Mobile station
 aloft that one night.

So I turned off the lights
 and tiptoed to bed.
 Cheered with the knowledge
 'bout the op in the sled;
 For the SIG was a call,
 though not FCC,
 Self-assigned, true, as "PISC."

de W3QCW, QST Dec 65

HAM TELECONFERENCING

An IEEE group on Long Island NY
 is co-sponsoring a teleconferencing
 network that will feature guest
 speakers once a month on trends in
 the communications and electronics
 industries. Listeners will be able
 to participate in the discussions
 and ask questions.

The broadcasts may be tuned in on
 147.375 MHz, which can be received
 by amateur radio operators or by any
 scanner or portable radio with a VHF
 public service band within 50 miles
 of the tower at Plainview NY.

The first broadcast on Nov 11
 featured Arthr Chapman, vice-presi-
 dent for engineering at Com Tech
 Telecommunications who spoke on
 satellite earth terminals. The talk
 originated from the home of Edwin
 Piller, W2KPQ, chairman of the Comm-
 unications Technology Subsection of
 the IEEE Long Island Section which is
 cosponsoring the shows.

Questions and comments from amat-
 eur radio operators are accepted dur-
 ing the broadcasts. Listeners with-
 out amateur radio facilities can
 phone for a patch into the network.
 The other co-sponsor of the network,
 the Long Island Mobile Amateur Radio
 Club, supports and maintains public
 service facilities throughout Long

island and is providing the teleconferencing circuit.

The network will broadcast on the second Wednesday of each month. Speakers from Fairchild-Weston Systems are scheduled to speak on secure communications and from Hazeltine Electronics Corp. on spread-spectrum communications.

"This experimental network is the first effort by the IEEE to reach the members in any area through teleconferencing," Mr. Piller said, "I hope that other chapters will be able to get amateur radio groups in their areas to set up similar networks."

de IEEE News

MARITIME BOOTLEGGERS (CONT)

How are the mariners bootlegging call signs? In a recent survey, 50 percent of the mariners checking into Amateur Radio maritime mobile nets were using call signs not issued in the latest directory. Twenty-five percent of the mariners operating illegally on high frequency were using voice with only Novice Class privileges. The remaining 25 percent were using voice on high frequency maritime nets with only a Technician Class license. I imagine that, mixed in with these figures, are maritime mobile operators using "borrowed" call signs from Amateur Radio friends.

In December of 1980, an organization was formed to protect our Amateur Radio frequencies from encroachers. Headed by Thurman Smithey, N6QX, the Committee for Legal Maritime Mobile Amateur Radio Operations is taking action on illegal maritime operations on Amateur Radio frequencies.

"The purpose of this organization is an all-out effort to search out, expose and remove from operation on the Amateur Radio bands those illegal operators of Amateur Radio equipment known to be proliferating aboard cruising boats -- principally sailboats," comments Smithey.

The committee is working closely with seven popular maritime mobile nets that facilitate traffic handling and phone patches. How are they able to verify that a call sign is a phoney one? The actual operation of their double checks is still classified, but it must be assumed that home computers, callbooks and up-to-date FCC files assist them. One can go to any FCC office and ask to see the latest microfiche file on any radio service. The files are generally within 60 days of being updated.

Suspected bootleggers are now carried on a list of questionable call signs. Stations appearing on the air with a questionable call sign are interrogated. If it appears they are operating illegally, they are so informed and no further transmission will be made to the new-found pirate station. Each net will receive a list of questionable call signs.

"Emergency traffic will always be accepted from any maritime mobile station, regardless of status of license," comments Smithey. "In an emergency, we will take any measure to communicate with a ship at sea."

Pass the word --- this committee has plenty of support, and is aiming at eradicating the tremendous number of illegal maritime mobile operators. Are we picking on the maritime boys exclusively? Unfortunately, yes. Statistics indicate it is the maritime mobile stations who abuse the Amateur Radio frequencies the most with illegal call signs.

I think this committee is going to put a stop to that. If you have any information for this committee, or would like to assist in their objectives, write Thurman Smithey, N6QX, 56 Center Street, Chula Vista, CA 92010.

de WB6NOA; Worldradio

Strange Calls--Continued

whole call the first time around. I checked and rechecked, but there could be no doubt; it was fourteen characters long! And I was sure it was *all* his call sign as it was invariably preceded by "de". Here is what it was: IØTA17I2DMK/ID9. I sent him a QSL card with a note asking for an explanation of what I was sure must be the longest call sign in the world. His card came last week with the following cryptic note:

"Yes boy

| | |
|---------|-------------|
| IØTA 17 | 9th Zone |
| I2DMK | my call |
| /ID9 | Vulcano Is. |
| RX | RCV |
| 3UP | 3 Khz up" |

So, there we are, it's all quite simple really, as long as you realize that some people throw in information about their zone number as part of their call signs! By the way, if you want to be still further puzzled, get out your zone map. Italy and its islands are in ITU zone 28, CQ zone 15...I give up!

LETTER TO THE EDITOR

Dear Sir:

I just thought I would inform you of a useful service offered by the Ottawa Valley Mobile Radio Club, with the hope that you would publish the information in the GROUND-WAVE.

For the past several months, the OVMRC has been transmitting code practice twice a week on our club repeater VE3TWO (147.90/.30). The transmissions start at 1925 hours local time and last about half an hour each time. On Wednesday, the speeds are 7, 10 and 13 wpm and on Friday nights, the speeds are 13, 15 and 18 wpm. The code is computer generated and we have received excellent reports on its quality.

I hereby invite all those who are interested in listening to "The Wise Owl" repeater to take advantage of this service. Also, don't forget about The Wise Owl Net Friday nights at 2000 hours local time on VE3TWO. This is a good way to catch up on the latest news from the OVMRC.

73,

Dave Coutts VE3KLX
Technical Advisor, OVMRC

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REPORT OF THE NOMINATING COMMITTEE

John Mitchell VE3DYJ

The following have been nominated to serve on the Executive of the Ottawa Amateur Radio Club, Inc. for the 1982 term. Elections will take place at the January 1982 meeting.

President: Sydney Moorcroft VE3GVI.

Sydney is past president of the OVMRC, Inc. He was licenced in 1974 as GI4AIG. He is a Net Controller for the Capital City FM Net and organized the 1981 Club Auction.

Vice President: Wally Clarke VE3CBE.

In 1946, Wally attended a ham auction and won a "2-er" as a door prize and has been a ham ever since. He is also a member of the Pioneer Amateur Radio Club and is a former VE1 and VE2. He is a Field Day enthusiast.

Bob Baillargeon VE3MPG

Bob was first licenced in 1980 and as well as amateur radio, he enjoys collecting and restoring antique radio equipment. He is also a member of OVMRC, CARF & RSO.

Treasurer: Bob DeGrace VE3FTB.

In addition to amateur radio, Bob runs the Canadian Wood Council.

Secretary: Ray Charboneau VE3JRX.

Ray has agreed to stay on as Secretary for another term.

Director: (three to be elected)

Mike Caplan VE3MJC
Merv Lempke VE3CV
Lloyd Reed VE3AYE (1981 Treas.)
Ralph Cameron VE3BBM

More and more people seem to have horses as evidenced by great fenced fields. It speaks of modern affluence, as the lumber in the fences would make a big hole in most of our bank accounts. This seems a far cry from the spartan ways of the Amish just a little further north. We saw them travelling the side roads in their horse and buggy vehicles. A handsome sight it was, too! The smartly trotting horse and buggy looked as if it had just come from the paint shop, complete with a bright "Slow Vehicle" plaque on the back. Maybe we are missing something here!

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LETTER TO THE EDITOR

Sun City Ctr, Fla.

The Editor, the GROUNDWAVE:

Greetings! We made it again. We escaped from that place called "winter" to fall into mid-summer again. What a shock to the system! And we seem to do it every year. Maybe it is true that you can get used to anything. Anyway, here we are struggling to keep cool, when a few days ago, we were just trying to keep warm.

It is rather interesting travelling from North to South in the space of about three days, to see the climate changes as you procede. In the North, the trees are bare and any leaves left around are brown and dry, most fields are clean with some plowing done, wood is stacked ready for the stoves that so many people seem to have now. Then there is a part of the country that just doesn't seem to know shat to do. The leaves are still on the trees, albeit pretty brown, the grass is green in places and the willows are in bud. At least, the latter was the case in Pennsylvania where the effects of excess rain (as we have also experienced) were evident. The streams and rivers were flowing in a manner that we simply had not seen before.

As one gets down from the hill country onto the coastal plain, the vegetation changes again, not so much because of the climate as the topography of the land. The highway (I-95 at this point) never gets very close to the Atlantic before Savanna, Ga., yet swamps appear on both sides of the road. In some places, it stretches as far as the eye can see. It must have been a great breeding ground for mosquitoes in the past, and maybe it still is--we didn't stop to find out.

Well, we are short of space. If the spirit moves us, we will tell you a little about the other things we saw on the way in the coming months. Meanwhile, see you on the air--1130 H. EST at 29,250 kHz.

73,
Gordon VE3DY/W4

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PACKET RADIO

BY Norm Pearl VE2BQS

Proceeding into Virginia, it was easy to see how that area became the nerve centre of North American culture 250 years ago. We were back in September weather, balmy temperatures, lush green forests and only a hint of autumn; a place we could stay for a long time and enjoy it, if the spirit so moved us. No wonder the English populated the area as though they were glad to get away from the drab, cold northern climate. It seems to be great horse country too.

This article is to be an attempt to tell all there is to know about Packet Radio and the Digital Repeater which has been installed at Rigaud--~~fat~~ chance!! Instead, I am going to try to treat the subject differently, hopefully so that someone other than I can understand.

Packet Radio is not new, having been used by many amateurs for a long time, including several who scoff at things

digital. I am referring to the ARRL procedures for passing traffic, which have been used for years on various nets. In these, each message must adhere to a specified format in order to speed handling and to enhance accuracy. The actual message text is preceded by the Address, which is used to route it through the network. Both are preceded by a Preamble. This is information supplied not necessarily by the originator of the message, but by those who pass the traffic. The Number, Precedence, station of origin and Check are added to carry the message to its destination and then removed. The check, of course, is to ensure that the message accurately survives each transcription. The overall format makes the message easier to handle accurately.

In Packet Radio, the situation is quite similar. Data (which can be of any type, not necessarily text) is broken up into blocks, each of which has attached to it a Header. This contains information describing the originating station, the destination address and handling procedures. There is also a Check in the form of a Cyclical Redundancy Code (CRC) attached to the end of the message to ensure that it has been transmitted accurately. As with the customary Preamble, the Header is removed at the destination, leaving the original message unchanged.

Now if a message format such as this were used by everyone without any variation, you could probably let a dumb little box take care of counting words (or calculating CRCs), looking for addresses, etc. In fact, you can. Such a dumb little box is a packet radio station, which includes a small microcomputer which is programmed to look for the header and to use it to direct the handling of the rest of the message. Long messages are automatically broken down into more manageable blocks (packets) which are reassembled at their destination. Messages are received by those to whom they are addressed and ignored by others. Errors

are detected by the CRC, resulting in the packets being retransmitted until they are received error free.

A slightly different dumb box is the digital repeater, which is even dumber than the rest, because all it can do is look at a small part of the Header and decide if the packet needs repeating, in which case that is exactly what the repeater does. Whatever it receives, it stores in memory and then retransmits a fraction of a second later at 240 characters per second using only a crummy 220 MHz radio feeding the antenna directly, a general purpose single board computer and a \$30 AFSK. This works on simplex; no cavities needed and the transmitter doesn't desense the receiver because they are not both on at the same time! Soon there will be a similar repeater in Ottawa, and the two will be able to "talk" to each other. Thanks to VE2RM for providing a site for these experiments in keeping with its reputation for technological leadership which it has always enjoyed.

---Thanks to VE2RM Club Bulletin

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CORRECTIONS

The following telephone numbers should be used instead of those appearing on the front and back covers:

- Ed Morgan VE3GX: 733-1721
- Maureen Neill, Home:728-0544 (eve.)
- VE3FZY Work:725-4740 (day)
- Fred Green VE3IO: 232-5950

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FROM THE EDITOR

Usually, I just manage to fill the last page at (or after) the deadline, so there is no room for my comments. This month, I think that there is just enough room to wish you all a very joyful and meaningful holiday season, and all the Best Wishes, plus lots of DX or whatever interests you in 1981 from the Editorial and Publishing staff of the GROUNDWAVE and from the Executive of the OARC, Inc.

73, Murray VE3JSO

THE GROUNDWAVE

OTTAWA AMATEUR RADIO CLUB, Inc. MEMBERSHIP Single \$8.00, Family \$10.00
P. O. Box 8873, OTTAWA, Ont. K1G 3J2 APPLICATION

MAKE CHEQUE PAYABLE TO ABOVE * Except student & over 65

Surname: Given Names(or Nick Name) Call

Additional Names (Family Membership)

Address (Street, City, Province) Postal Code

Tel. (Home) Tel. (Work) Class of ()Amateur ()Advanced

Certificate ()Digital ()Associate

Activities (Please check appropriate items and note bands)

BANDS

- SSB ()
AM ()
VHF/FM ()
CW ()
RTTY ()
SSTV ()
VHF ()

Other () (Specify)

Please Check Appropriate Items:

I am a: Member Appointee Official of: +*NOTE: Full +
ARRL () () () +time student+
CARF () () () +& over 65:\$5+
RSO () () () +single; \$7 +
RAQI.....() () () + family = +

I have a gas/diesel generator (); I have a two-metre hand carried ()

My main interest in HF () VHF () Other ()
amateur radio is:

I would like to see the OARC, Inc do/not do the following next year:

I would be willing to help organize the following as a Club Activity:

(Applicant to complete at same time as above)

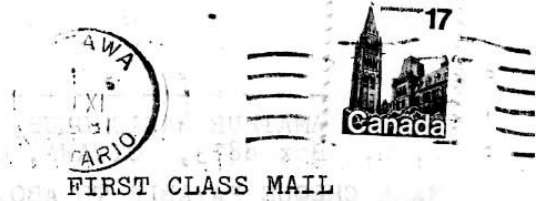
OTTAWA AMATEUR RADIO CLUB, Inc. Membership 198__

RECEIVED FROM.....The Amount\$.....

Signature
Membership Chairman

Date

THE OTTAWA AMATEUR RADIO CLUB, Inc.
 P.O. Box 8873
 OTTAWA, Ontario, Canada
 K1G 3J2



FIRST CLASS MAIL

FIRST CLASS MAIL

FIRST CLASS MAIL

G. MARTIN, OARC ARCHIVES
 1771 HUTTON AVE
 OTTAWA ONT
 K1G 1M1

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FIRST CLASS MAIL

| THE OTTAWA AMATEUR RADIO CLUB INC. BOX 8873, OTTAWA, Ont. Canada K1G 3J2 | | | |
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| President | Brian Summers | 2231 Hillary Ave., OTTAWA | 523-1535 |
| | VE3JKZ | Ontario K1H 7H7 | 993-2931 |
| V/President | Bill Nottingham | 17 Cedarbank Avenue, NEPEAN | 828-8282 |
| | VE3ARZ | Ontario K2H 7Y1 | |
| Secretary | Ray Charbonneau | 3007 Rankin Street, OTTAWA | 731-4981 |
| | VE3JRX | Ontario K1V 8L2 | 993-2482 |
| Treasurer | Lloyd Reed | 696 Sherbourne Road, OTTAWA | 722-5431 |
| | VE3AYE | Ontario K2A 3H5 | |
| Directors | Joe Courtemanche | 23 Lyon Street, GATINEAU | 568-6642 |
| | VE2DZT | Quebec J8T 1L6 | 829-9100 ext. 330 |
| | George Schuthe | 235 Daniel Avenue, OTTAWA | 728-8828 |
| | VE3DMC | Ontario K1Y 0C7 | |
| | John Gilbert | 714 Highland Avenue, OTTAWA | 729-2282 |
| | VE3CXL | Ontario K2A 2K7 | 995-2128 |
| P/President | Paul Coverdale | 16 Longwood Avenue, NEPEAN | 820-6643 |
| | VE3ICV | Ontario K2H 6G2 | 592-3020 |
| Repeater | George Roach | 104 Strathcona Avenue, OTTAWA | 234-0885 |
| Chairman | VE3BNO | Ontario K1S 1X6 | 233-6241 |
| Custodian & | Gerry Martin | 1771 Hutton Avenue, OTTAWA | 731-3220 |
| Archivist | VE3CNJ | Ontario K1G 1M1 | |
| Net Mgr. & | Ken Kendall | 777B Springland Drive, OTTAWA | 731-0892 |
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