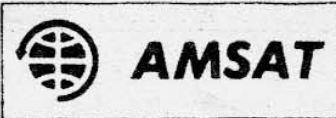


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The Official Bulletin of the  
**OTTAWA AMATEUR RADIO CLUB INC.**  
Box 8873, Ottawa, Ont. K1G 3J2



VE3DQ  
STAN HILL

--- THE GROUNDWAVE---OFFICIAL BULLETIN OF THE OTTAWA AMATEUR RADIO CLUB

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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 200 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 of 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 733-1276.

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 (233-9941 after 5:30 p.m.).

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. See page 5 for further details of the next regular meeting.

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.

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.

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 ARRL AND CARF MEMBERSHIP through the OARC to save money order and postage charges and to help your Club. Contact Brian Barsalou VE3IBX for further details and remittance forms.

DOMINION STORE CASH REGISTER TAPES are being collected by the OARC for a worthwhile cause--so save yours and those of your neighbours. Contact any member of the executive for further details.

RADIO AMATEUR CALL BOOKS are available for use at the Orleans, Nepean, downtown and other city libraries. Enquire at the information desks for further information.

MINUTES OF THE OTTAWA  
AMATEUR RADIO CLUB, INC.

February 4th 1981

Brian VE3JKZ, President, called the meeting to order at 2000 hours. He welcomed the following visitors to the Club meeting: Guy Savourin, Gladys Raymond, David VE3JLV, George VE3GPP, Dennis VE3HWG, Leon VE7MI, and Jean VE2DZY.

On a motion by Don VE3ATJ seconded by Bill VE3NR, the minutes of the January meeting were adopted as printed in the GROUNDWAVE. There was no business arising from the minutes.

Brian then introduced the 1981 Club Executive and gave a brief description of their duties for the coming year.

Brian announced that plans were underway to conduct an EMI clinic this spring. The EMI Committee Chairman, Fred VE3IO will be organizing this.

Brian also announced that the coffee fund is losing money--please pay your \$0.15 if you have coffee!

A Multiple Sclerosis convention will be held in Ottawa in early April and Jeff VE3KID is organizing a display and demonstration. He has written to ARRL, CRRL, CARF and RSO requesting advice and material for handouts. The display will be manned from 1:00 to 4:00 pm and he has already arranged to have both equipment for HF and VHF and operators available. In addition, he has arranged to borrow the ARRL film on amateur radio in video tape form.

Bill VE3ARZ introduced the concept of a "buddy system" whereby volunteer amateurs would make themselves available to would-be hams to answer their questions, to give them encouragement and eventually to assist them in setting up their stations and to provide guidance during their first QSO. The idea is to provide each budding amateur with a friend who can answer

his questions and provide moral support--however the buddy would not be expected to provide instruction or code practice. A sign-up list was made available with the understanding that there would be no obligation. Bill also stated that he would act as a focal point for approaches to the club by those who were interested in more information on amateur radio, and for those who wished to become amateurs.

Bill concluded his remarks by noting that it was in the interest of Club members to take good care of him as another of his jobs is to lick the stamps for the GROUNDWAVE--so if the members wish to avoid contracting "galloping leprosy" or other communicable diseases, they should ensure that he remains in good health! Also, he will be away during April and May, so if anyone wants to raise havoc, please do so during those two months!

Brian VE3JKZ reported that he had heard a good definition of a DXer. A DXer is comparable to someone who stops every tenth person at a shopping centre, shakes his hand and says: "Hi, I'm Brian; you're 579; 73."

Brian also reported that Ed Kipp VE3KLP will again organize the production of the 1981 Club Directory.

Brian then introduced Ray Perrin VE3FN, President of the Ottawa Valley Mobile Radio Club Inc. who addressed the members for a few minutes. He informed the club that he is also responsible for CRRL/DOC liaison.

Bill VE3NR reported on the results of recent DOC Amateur Radio examinations. He indicated that CARF has been very concerned about the failure rate since examination procedures were changed a few years ago. CARF conducted an analysis of recent examinations and the DOC syllabus TRC-24. CARF concluded that with the present structure, a candidate for an Amateur licence was required to know 70% of the information required for the Advanced Amateur examination, which was felt to be too much. At the November meeting with DOC, it was continued on page 5

OARC INVENTORY OF EQUIPMENT

In the June 1980 issue of the GROUNDWAVE, a complete list of the OARC inventory was published together with the value of each item and the year in which it was acquired. The following items were disposed of at the Fall auction:

<u>Item</u>	<u>Book Value</u>
DJ-84 Marconi two meter transceiver	\$ 50.00
16 (CW) Recording Tapes	23.56
2 ea. HD16 Code Practice Osc.	30.00
Homebrew Code Practice Osc.	10.00
Lafayette Tape Recorder	170.00
Electric Stapler	42.75
Magazines	---
TOTAL	\$326.41

In addition, the aluminum wire shown in the inventory (at zero book value) was examined and found to be of no practical use. Hence it was deleted from the inventory. As a result of these actions, the Club inventory now has a "book value" of \$4,133.95.

The 1980 Executive attempted to identify all the equipment on the inventory in order to be able to keep a more accurate check on the list. However, there are two items for which the new executive would more information:

1. A "Solid State RX/TX strip", purchased in 1974 at a book value of 107.33 cannot be properly identified. A solid state receiver strip has been located, but no transmitter. Unless someone can clarify the matter, it will be assumed that the transmitter was listed in error, and the inventory will be amended to show this item as "Solid State Receiver Strip".
2. A "Link Receiver" purchased in 1977 at a book value of 172.35 cannot be located. It would be appreciated if anyone with information on this item would contact any member of the 1981 Executive.

John Gilbert VE3CXL  
(past treasurer)

HF AWARDS FOR THE DESERVING AMATEUR

- Brian Summers VE3JKZ

The Honk Kong Amateur Radio Transmitting Society sponsors two awards of interest to the avid DXer. The Nine Dragons Award requires contacts with one country in each of Zones 18, 19 and 24 to 30 inclusive for a total of nine zones. Only contacts made after January 1st 1979 are valid and the contact for Zone 26 must be with a VS6 (Hong Kong). The zones referred to are those which were discussed in the previous article which discussed CQ Magazine's Worked All Zones list.

The Firecracker Award requires six contacts with different VS6 stations since January 1st 1964. Both awards are in the form of beautiful certificates with which to adorn your wall.

The cost of the Nine Dragons Award is U.S. \$3.00 and that of the Firecracker Award is U.S. \$2.00. The Awards Manager requests that payment be made in cash (no bank drafts), and you can obtain the awards by sending a certified list of your contacts to: Awards Manager, HKARTS, G.P.O. Box 541, Hong Kong.

I hope that your Christmas was as rewarding as mine. Two batches of cards from the bureau brought me Zone 23 to complete my Worked All Zones (I waited 15 months for that card!), cards from Tonga and Aland Island to push my country total over the 210 mark confirmed, plus enough cards to complete my Worked All Britain and Worked All Europe (CW) Awards. More on these and other Awards in future articles in the series.

+++++  
MONTHLY LIMERICK, from Gord VE3DY

An Editor's life is not easy,  
When everyone says he's too busy  
To drop him a line  
Or whip up a rhyme.  
Take time out from Hamming? Are  
you crazy?!

+++++  
APRIL GROUNDWAVE DEADLINE is Wednesday, 10. 11th for all articles.

NEXT MEETING

The next regular meeting of the Ottawa Amateur Radio Club, Inc. will be held on Wednesday March 4th 1981 in the Auditorium of the National Research Council, 100 Sussex Drive, Ottawa at 2000 hours.

The guest speaker will be Bud Punchard VE3UD, who will give a talk and demonstration on the subject of Antenna Modelling. Spring will be here soon, and it will be time to build that new antenna. Perhaps Bud's talk will give you some useful ideas and motivation.

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MINUTES - Continued

recommended that examination procedures be simplified. For example, it was suggested that there should be three separate examination booklets for each of the three classes of examination. It was also suggested that changes be made to the syllabus TRC-24 to make it easier for students and instructors to understand the material which must be learned. If the recommendations are implemented, Formulae and diagrams will be given (except ohm's law!) for the Amateur examination--it will only be necessary to explain or apply these in the future. Further recommendations were made at a January meeting of representatives of CARF, CRRL and DOC. The first would be to allow up to three errors on the code test. If personnel difficulties can be overcome, the code sending test should be reintroduced. Candidates should be tested only on regulations which pertain to the class of licence for which they are applying. The Amateur examination should be based upon conceptual and practical knowledge. It would cover much the same material as it does now, but a new section should be added covering the set-up and operation of an amateur station.

For the Advanced examination, the candidate should have a detailed knowledge of the concepts and their application, as well as specialized modes of operation such as SSTV and

and RTTY. No major changes were proposed for the Digital examination. The changes should result in a better balance between the Amateur and Advanced Amateur examinations.

Brian reported that the Club membership in 1981 reached a total of 365, while current membership is 212. The current club assets are \$3565.32 cash and fixed assets of \$4133.95 (undepreciated).

The executive members are now preparing the 1981 Budget and members were asked to inform the executive of any expenditures for projects or equipment which might be required over the next year.

The Club gasoline generator has expired and is non-repairable. It was requested that the membership approve a motion authorizing an expenditure of up to \$300.00 to purchase a replacement. It was so moved by Bob VE3FTB and seconded by Ken VE3CCV, and the motion was carried.

Lloyd VE3AYE proposed a Club project to modify the Radio Shack FM Weather Receiver (160-162.4 MHz) for two meter operation. Until the end of February, this will be available for only \$15.00. A project leader is needed to determine the feasibility of modification in order to give a "go-ahead" to club members for the purchase of this device.

Brian VE3JKZ requested that any Club members who have been saving Dominion Stores Cash Register Tapes get them to him before the next meeting in March.

The Executive is attempting to get an idea of what is happening with Amateur Radio courses and with the interest of young people in the hobby. Dave VE3JBX reported that Boy Scout Headquarters, which have had a good success record, needs a new instructor to replace Sean VE3HXP who cannot continue.

George VE3DMC has been investigating the possibility of organizing a  
--continued on page 8

SELECTION OF COAX

(From Maritime Mobile column in Worldradio but of interest to landlubbers also.)

The actual construction of coaxial cable will make a big difference as to how much loss of signal you are going to experience. Extremely flexible pieces of coaxial cable use a polyvinyl chloride (PVC) jacket (outside cover) that incorporates a special ingredient to keep the cable flexible. After a year or so inside a warm mast, or in the sun, this outside cover begins to contaminate the inside insulation, causing it to deteriorate and "leak" your RF signal output. Flexible cable is usually designated by the lone letter "U", such as RG-8/U. This cable has only about a two- or three-year life expectancy.

Newer techniques now allow cables to be made up of a non-contaminating synthetic resin jacket that won't eventually leak through and cause progressive power dissipation. These cables are sometimes identified by the letters "AU" such as RG8/AU. Although not as flexible as the other types of cable, AU coax will last up to ten years and is quite resistant to nicks, water splashes and prolonged soaking in the bilge.

If you have ever looked at a piece of coaxial cable, you will see that a braid covers the inside insulation including the inside centre conductor. It's the job of the braid to keep the signal traveling up that centre conductor to your antenna without escaping through the walls. Bargain-priced coaxial cable --- whether it's small, medium or large size --- uses a braid that has small gaps in its weave. Your RF signal will leak out through the gaps. This braid may be only "80 percent shielding". Although fine for lower frequencies, "80 percent shielding" is not adequate at VHF frequencies. What you are looking for is a braid that is thick, tightly woven and where you can't see the

centre insulation. 95% to 100% braid is necessary for good VHF type cable. Unless you know the manufacturer's generic number for cable grades, there is no easy way to identify cheap coax versus good coax without exposing and examining the braid.

The centre conductor is also an area where coax costs may be reduced at the ultimate cost of performance. A very small centre conductor with only a few strands of copper wire denotes bargain coax. Stranded centre conductors that are so thick they almost don't fit in the centre pin of a coax plug are what you want!

Another consideration for choosing good quality coax is the solid versus foam centre insulation decision. The tan solid inner insulation has a slightly higher leakage loss than the newer white foam insulation. A new piece of foam coax will slightly outperform a piece of regular insulation coax. Maybe by a watt or two for every 75 feet.

However, foam coax has some definite disadvantages in a marine environment. First of all, moisture will seep into the foam and begin to contaminate it. Via capillary action, foam coax will sometimes soak up water like a sponge and become useless to radio signals.

Foam coax also must be treated with care. Sharp bends will alter the spacing between the centre conductor and the outside shield. This alters the impedance and will reduce the amount of power out the other end of the line.

Sailboat owners should be very cautious in using foam coax up the mast. If not supported every few feet up the mast, when warm, the foam will slowly begin to gravitate to the bottom of the cable run.

In order to further document the disparity between similar-looking pieces of coaxial cable, here are some power output as measured on a Bird #43 wattmeter into a calibr-

ated 50-ohm load at VHF high band frequencies suitable for marine or Amateur Radio use. Power input was a regulated 25 watts with a transmitter impedance matching the load impedance. All cable lengths were 75 feet.

Cable description Watts output

- \*RG-8/AU foam, soldered connections 20
- \*RG-8/U foam exposed to marine environment for three years; swedged connectors 13
- \*Cheap CB coax, RG-8/AU, soldered connections 15
- \*New RG-8AU, crimped connectors Intermittent 17
- \*RG-8/X(mini) new, soldered connectors 17
- \*RG-8/X exposed to mast mounting 15
- \*RG-58/AU foam, new, expensive 14.5
- \*RG-58/AU from local CB radio chain store, 75 percent braid 9
- \*RG-58/U CB coax found coiled in a closet, soldered connectors 9

Summary

Don't skimp when you buy coax. Always choose a slightly less flexible non-contaminating jacket for longer life. RG-214 is the new designator for long-lasting RG-8/AU. RG-58/CU is the new designator for RG-58/AU. Crimped or swedged coax connectors have more loss than professionally soldered coax connectors. For sailboat owners, if you absolutely have to, a connection coupling at the base of the mast is acceptable. However, this coupling must be kept absolutely dry. Expect at least a 1-1/4 db loss for each cable coupling (1/2 db for each connector). If coax connectors are exposed to the weather, seal them with a semi-flexible product.

Never use the smaller cable if there is any way of using larger cable. Never create sharp bends in your cable run. Excess amounts of coax cable may be cut off to decrease line loss. Cutting the cable at certain wavelength sections is an old CB myth. The shorter the better. de WB6NOA, Worldradio

WATTS THE DIFFERENCE

Most people who use high-current DC rigs have long ago switched to using plug-in power supplies. While they are more expensive than a car battery setup, they are much more convenient. Previously, those of us without the money to spend on plug-in supplies used a trickle charger hooked up to an old car battery. The batteries boiled and there was always the danger of fumes. There were no over-voltage problems but the whole arrangement was not convenient and most people switched to AC supplies.

A new aspect has been added to the argument as to which is best in feeding newer DC equipment. When I measured the secondary voltage in my VHF Engr. 20 amp power supply it was 30 volts. While the rig was drawing 20 amps (240 watts) there were an additional 360 watts coming out of the wall. Nuts! With electric bills we are getting today, I think the use of a wet cell battery should be reconsidered.

In a setup I used, I hooked a trickle charger to a sealed battery which eliminated over-charging, boiling and fumes. I mounted the setup in the basement and a large cable ran through the floor to a common current meter and distribution point at the rig. I ran a set of KLM 160 watt amplifiers and two transistor rigs off the battery and never noticed a need for charging.

Others have put truck batteries in a box outside and run cables through the wall. Some dealers have batteries that have been traded in because they are not good enough for vehicle service but will run a ham station. Another source is rebuilt batteries. A Sears Die-Hard with a three-year guarantee can be had for \$25. One can also go to a junk yard and pull one out.

Another benefit is that with a wet cell battery, one has significant emergency power available.

de K6JEY, United ARC, San Pedro CA via Worldradio

MINUTES - Continued

a Club Banquet in April. Currently, plans are for 40-60 people at a cost of about \$18.00 each. A show of hands indicated that there was sufficient interest to go ahead with the plans.

The first prize of the monthly draw was won by VE3NT. The guests were each given free tickets, and three of them, Guy, Reg VE3MPV and David VE3JLV won copies of QST which were donated to the club, as well as Bud VE3ANL. The first prize was a DX Call Book and a Coax Switch.

Joe MacPherson VE3CAT was the guest speaker for the evening and he spoke on the subject of Emergency Communication and Preparedness. He described the organization of the local Emergency Measures Organization. He suggested that amateurs should deal with the EMO because of the difficulty presented by dealing with four tiers of government--Federal, Provincial, Regional and Municipal. One of the major problems encountered is the general belief that "it cannot happen here!". Ottawa is in the centre of an earth-quake zone; close to an international and military airport; there is a Superior Propane tank farm on Fallowfield Drive; there is an oil tank farm near Merivale Road; Tank cars pass Walkley Road near at least two hospitals; there are Chlorine tanks in the East End of Ottawa; trucks and railway cars often transport various dangerous materials through the area. Very often, the chaos following a disaster causes more injury and death than the disaster itself.

Police and fire departments tend to believe that their communication systems are infallible. However, there are other organizations such as the Red Cross who might need communications assistance. An important problem facing the EMO is who can help and how can he be contacted. Sometimes there is too much "communication" while those who need it do not get their messages. Access to a

disaster area can also be a problem. A system of official passes and identification is needed.

Following plans to organize meetings with EMO, the Red Cross and other agencies, the Ottawa Police have set aside a room for an amateur radio station. Vanier police are making similar plans. However, unfortunately Nepean and Gloucester Police are convinced that their communications systems are infallible!

EMO has a club station, VE3OCE. The COMSONT net is linked to Emergency Planning Officers throughout Ontario. Bob Campbell VE3KLLK is the local contact. To obtain an up-to-date listing of local amateurs and their facilities and availability, members were asked to complete information sheets.

Joe stated that the one thing that the organization *does not need* is more politicians. Thus, it does not want to be sponsored by any one club or organization such as ARRL or CRRL. They don't want people joining to further the interests of their own organization.

Brian VE3JKZ showed the members a mock-up (designed in 1970) of a certificate to be given to guest speakers. The first of these was presented to Joe VE3CAT.

A bulletin board will be available at all future meetings on which members may post notices to give or request information, to indicate interests to meet others with similar ones, or to buy or sell equipment. The bulletin board will be placed in the Auditorium at 1915 hours on meeting nights to give members an opportunity to post and read notices, and to have an "eyeball" QSO before the meeting starts.

George VE3DMC asked any members who were familiar with car rallies to contact him, and also to give him an idea of potential interest. The meeting adjourned at 2200 on a motion by Sydney VE3GBI seconded by Joe '2DZT.

PRESIDENT'S COLUMN

The first meeting of the year with the new executive in office is now behind us and it is time to sit back for a few minutes and reflect on the year ahead. We had a large turnout and it was apparent from the general atmosphere and conversation that we have another great year ahead.

Bill VE3ARZ is instigating a buddy system to put beginners in touch with experienced Amateurs who can help them out. Bill is also preparing packages of information for non-ham visitors to the Club and others who write to us inquiring about our hobby. He will be away April, May and June so we will need someone to take over these responsibilities during those three months.

Ray VE3JRX, as well as being our secretary and assisting with the publication of the GROUNDWAVE, has resurrected the "Hamchair Critic" award which will be presented to our guest speakers. Ray has also arranged to have a bulletin board available at each meeting. It will be set up about 1915 hours each meeting night and all members are invited to make use of it. Indeed, come early and have an "eyeball" session with other members before the formal meeting starts at 2000.

Lloyd VE3AYE keeps our finances and assets in order; he will also be looking after the renewal of ARRL/CRRL renewals for Club members. This benefits the club financially, and also saves you postal and money order charges, so you are urged to take advantage of this system. Lloyd also originated the idea of converting a Radio Shack FM Weather Radio, now on sale for \$15.00, to a two metre receiver. Let us hope that this project will be a success and that we will have more of this type of activity.

Joe VE2DZT is looking after our Public Relations. One important possibility is a Club station at the OTTAWA Exhibition next summer.

Jim VE3MJH is busy organizing speakers and presentations for Club meetings--please call him with your suggestions and ideas.

George VE3DMC is managing our Spring Dinner and Dance, Summer Picnic, Field Day, Auction, Hidden Transmitter Hunt and a host of other activities. George needs people to coordinate each of these individual events, so volunteer *your* services!

Paul VE3ICV is responsible for our monthly raffle prizes and as well provides a wealth of information to the new executive based upon a wealth of knowledge he gained during the past year as President. Paul is also pursuing the "Capital City Award" and will help Ed Kipp VE3KLP to produce the area directory again this year.

George VE3BNO keeps the Club repeater VE2CRA going despite our appalling climate and the innumerable sources of intermodulation interference. Our repeater works so well that another local club has asked permission to use it to aid in communication for a charity snowmobile event, as their own repeater could not accommodate the distances involved.

Murray VE3JSO edits the GROUNDWAVE each month. To ensure speedier delivery, the deadline for copy has now been advanced one week so that we can get it to the post office earlier.

As you can see, your executive is busy with the normal management and administration of the Club. The actual "doing" of things can only come from you, the members; amongst whom we have a custodian, net manager and emergency coordinator, EMI Committee, coffee crew, membership chairman, editing and publishing staff and many others. Geoff VE3KID is organizing an Amateur Radio booth at the Multiple Sclerosis Convention in April, Larry VE3CRX is busy organizing communications for the Ski Marathon coming up, and so it goes.



Indeed, there are so many activities going on that it is getting a bit difficult for me to keep tabs on everything--and that is the way that it should be! There is ample opportunity for members to use the Club organization for virtually any activity connected with the hobby. Feel free to put your ideas into practice.

73,  
Brian VE3JKZ, Pres.

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OARC, INC. SPRING DINNER DANCE

April 24, 1981

Bytown Room, RA Centre

Arrangements are being made to hold a Spring Dinner Dance featuring a Prime Rib Dinner followed by dancing to a good orchestra. Bar service will be available. The Club expects to offer all of this at a cost of \$35.00 per couple (\$17.50 each). Accommodation will be limited to sixty. Tickets may be obtained from members of the Club Executive. Reserve NOW!

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LETTER TO THE EDITOR

Florida, 12 Jan. '81  
The Editor, GROUNDWAVE,

Paul Cooper's VE3JLP challenge of the December GROUNDWAVE got me to thinking. Although I am loath to deflate the ego of any poor unfortunate soul who has gone through as many tribulations as Paul, I must make some effort to rise to his challenge! It is a thing like this that gets the pencil scratching and the grey matter doing whatever it is supposed to do. It is not so much for the fame and notoriety as it is for the curiosity.

I admit that Paul has used great ingenuity in compacting his shack. My case was more of an attempt to expand a space to make it usable. This of course was against the natterings and mutterings of my XYL who has for a long time taken a dim view of hams and hamming! But this shack has

been used for some years at VE3DY/W4 so that I really had not thought of it as small until Paul mentioned it. So I became curious and have concluded that I may be using less space than Paul.

My space measures 125 x 90 x 132 cm with a corner of 65 x 45 x 132 cm remove. This is a volume of 1140 litres (41.5 cu. ft.) as compared to Paul's 1450 litres (52.5 cu. ft.). This also includes my volume, 62 litres. Volume that is, not capacity which, like the proverbial Scot, is any given amount!

The real difference between the two shack's is that I cannot stand up! As in Paul's, my visitors must stand outside. I hold my log on my knees and if I want to stretch, I also have to get outside.

Well Paul, you started us thinking. At least you have about 109 more countries than I; maybe I am not a DXer! Look for us on 29.250 plus or minus, around 11:30 am EST daily. I'm not on every day--some days are just too cold!

73 from sunny, but  
COLD Florida  
Gord VE3DY

+++++

THANKS to VE3NT for his donation to the Club for his donation of a first day cover stamp at the January meeting.

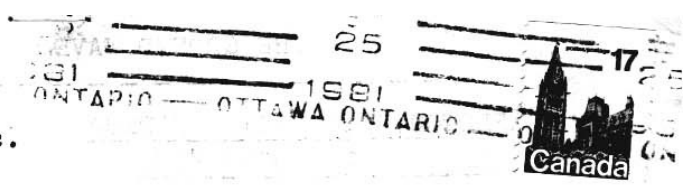
+++++

LIMERICK

Here is another Limerick from Gord VE3DY:

How often have you ever said,  
"You're Q-5 OM go ahead",  
He sends you his traffic  
As a great burst of static  
Takes the headphones right off of  
your head!

-- Thanks, Gord. Why don't some of you other budding poets try your hand at a rhyme? -- Ed.



THE OTTAWA AMATEUR RADIO CLUB, Inc.

P.O. Box 8873

OTTAWA, Ontario, Canada

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: P/President	Paul Coverdale	16 Longwood Avenue, NEPEAN	820-6643
:	VE3ICV	Ontario K2H 6G2	592-3020
: Repeater	George Roach	104 Strathcona Ave., 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
: Emrg Coord	VE3IHX	Ontario K1V 6L9	
: EMI Cmttee	Fred Green	118 Riverdale Avenue, OTTAWA	232-5920
: Chairman	VE3IO	Ontario K1S 1R2	596-9359
: Membership	Jack Garrett	3011 Rankin Street, OTTAWA	521-6528
: Chairman	VE3HJI	Ontario K1V 8L2	993-9740