

APR 83



# GROUNDWAVE



Club Call VE3RC

Repeater VE2CRA

VE3LXK

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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 at 2000 hours on the Club repeater VE2CRA (146.34/.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 and make enquiries, call Ed at 733-1721.

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.

The OARC EXECUTIVE normally meets on the second Wednesday of each month in the Board Room of CFRA, 150 Isabella St., Ottawa at 1930 hours. Contact the President to confirm the date of the next meeting.

RENEW YOUR CARF AND CRRL MEMBERSHIP directly with these organizations, as the Club no longer provides this service to members.

DEADLINE FOR COPY is the first 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 at about 1915 hours. For further details about the next meeting, see Page 5.

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.

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

SAFETY BELTS and TWO METRE RIG are available for loan to Club Members. The 2 metre rig may be borrowed by members who are hospitalized and the safety belts and pole straps by any member (\$100 refundable deposit is required for the latter). For the belts, contact Paul VE3ICV 820-6643 (west end) or Brian VE3JKZ (east end) at 523-1535. Contact the President for the two metre rig.

RADIO AMATEUR CALL BOOKS are available for the use of area amateurs at many of the libraries throughout the region, including downtown and other city libraries, Orleans and Nepean. Enquire at the information desk of your local library for details.

MINUTES OF THE OTTAWA AMATEURRADIO CLUB, Inc.

March 2nd, 1983

The meeting was called to order by Bob VE3MPG, President, at 2005 hours. Several visitors were welcomed to the meeting, including: Robert Michaud, who is looking for assistance in studying for the amateur exams (Barrhaven area); Vance Johnson, a student in the OVMRC class and also studying for his licence; Roy G8RCK from KENT; Art from EMR; Carl VE3FKE; Mr. Lapp, looking for information on Amateur Radio; Gil VE3NPI; Roger VE3NPO; Steve; Clare VE3NPC; and Harry VE3GVV.

Members were informed of a new local 10 metre SSB net which meets each Tuesday at 2200 hours local time on 28.4 MHz

The Guest Speaker for the evening was Harry Splett VE3GVV from the Department of Energy, Mines and Resources. His talk was on communications equipment for field parties in the Arctic--or "The Inverted Vee, and What It Did for Me". He demonstrated his 29 foot telescoping, five pound mast with antennas for 4.4, 5 and 6.9 MHz operation. He described the methods of operation and demonstrated a typical battery operated transceiver.

Bob VE3MPG then presented a slide show on the Ski Marathon and the Gatineau 55 Marathon.

Bob VE3MPG announced that the Club was considering the purchase of a CB transceiver board for interested Club Members. The conversion of this board to 10 metre, crystal controlled operation would then become a Club Project. There was a good response to the suggestion with over twenty members signing up.

Brian VE3JKZ gave a report on the National Capital Award. Fifteen certificates have been sent out, most to Canadians. Interest abroad has been demonstrated by applications from Brazil, Luxembourg and one SWL from California.

Brian VE3JKZ showed the Club Members an unusual QSL card from a "DXpedition" from "Suitland Island. The card showed a skull and cross-bones and the call KJ6DO/KH7S. On the back, it stated that "Suitland Island surfaced in the minds of DXers for two days--you cracked the pile-up." There was no return address!! Of course, it was a pirate operation, but well organized!

Joan Powell VE3FVO described the Radio Society of Ontario to the Members. The Society was formed as the Ontario Amateur Radio Federation in 1957. The name was changed to the Ontario Amateur Radio Association in 1959 and the current name was adopted in 1963. The Board of Directors is elected by delegates, and the board chooses the executives from the board. One of the best known services of the RSO is the ONTARS net which operates daily on 3,755 kHz, and more recently on 7.055 MHz. The Society works with the CNIB and other organizations representing the handicapped. It assists with TVI and RFI problems. It provides Ontario amateurs with weekly bulletins and publishes The Ontario Amateur six times per year. The RSO also sponsors the very popular RSO convention each fall. The 1984 Convention will be held in Ottawa at the new Weston Hotel which is being built as part of the Rideau Centre. The 1983 Convention will be held in Toronto at the Inn on the Park, where rooms will be \$72.00 per night for a double. There will be 3000 square feet for commercial displays and 3000 square feet for the flea market. The Convention will be held September 23, 24 and 25. Membership applications can be obtained from Merv VE3CV or Phil VE3CUR.

Doug VE3CDC reported on behalf of CARF by reminding members to send comments to ART VE3ZS concerning DOC's request for suggestions with regard to volunteer examiners for Amateur examinations. The deadline for comments is May 10, 1983. He also advised that the FCC is requesting comments on a proposal to provide a "no-code" Amateur licence. This licence could be patterned after the Canadian Digital Licence, or could be the existing



NEXT MEETING

The next regular meeting of the Ottawa Amateur Radio Club, Inc. will be held on Wednesday April 6th, 1983 in the Auditorium of the National Research Council, 100 Sussex Drive Ottawa, at 2000 hours.

The next meeting is Home Brew night. Bring along your latest home brew projects and describe them to the other members. The

Before each meeting, the notice board is set up at about 1915 hours to give members an opportunity to seek information, to buy or sell articles or to contact others with similar speciality interests. Use the Club Bulletin Board as a focal point to meet other members with whom you have had a QSO and to have an "eyeball"-- to meet him or her in person!

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CRRL BULLETIN--Extracts

There has been an influx of cordless telephones in Saskatchewan. These operate on 49 MHz and 1.6-1.8 MHz. Interference on 160 metres.

Calgary will host the next Boy Scouts World Jamboree in July of this year. There is expected to be quite a bit of Amateur activity in connection with this event.

VE4AFO has started a computer bulletin board with items of interest to Amateurs. You can contact this service, which is provided at 300 baud, ASCII, no parity, at (204) 785-8742.

There are 100 Castles in Wales, and this year will see a Festival of Castles, with operations by Amateurs at all 100 castles. The calls to look for are GWØWNE and GW3NE this summer. Both Prince Phillip and Charles, Prince of Wales are licenced amateurs, as was Lord Mountbatten. (There calls were not given in this item from CRRL Bulletin--Ed.)

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PRESIDENT'S MESSAGE

I know that this message is long overdue and the only reason I can think of for its lateness is a very busy work schedule at the office as well as other interests too numerous to mention, but one of them being trying to burn the candle at both ends. I guess another one would be searching for DX on ten metres in the few days the band has been good. Still another passion is working the 160 metre band. Conditions on the band this winter have been noisy and working with an 80 metre inverted Vee hasn't helped either. But a few days ago a 60 foot vertical wire was erected on a cold and windy afternoon with the help of a bow and arrow and a fishing rod--the supporting structure being a tall and straight 60 foot oak in the back yard. I really haven't given it a good test yet, but during the last phone contest on the band, a 661 foot oil tanker 300 miles off the coast of Virginia with a 5 by 7 report. Contrary to popular belief, it is not difficult to get on 160 metres. In a few follow up articles in future issues of the GROUNDWAVE, plans for antenna tuners and simple antenna configurations for the Top Band will be discussed.

No doubt, if you attended the March meeting of the OARC, Inc. you learned about a new club project. The Club has ordered several HyGain 40 channel CB boards which is easily converted to ten metre AM or FM. Anyone interested in obtaining one of these boards should contact me--the price is \$10.00 and the first shipment will be sold on a "First come-first served" basis.

The April meeting of the OARC is Home Brew Night, so bring along those projects you have been working on over the winter. Prizes will be awarded in various categories. The May meeting will feature John Bartlett VE3DHB who will give a talk on receiver and antenna parameters. The June meeting will feature a slide show of past Field Day activities. Plans for

--Continued on Page 9

ALL YOU EVER WANTED TO KNOW ABOUT  
HAMMING, BUT DIDN'T KNOW WHO TO ASK

Last month, we ran the first installment of this introduction to contesting prepared by VE3KZE for the South Pickering Sparc Gap. Here is the concluding portion. . .

Last month I outlined just what a contest was and promised to give you a gentle push towards your first c'test.

There is only one real way to break into the world of amateur radio contesting — jump in and get your feet wet—you won't crown and just maybe you will find a new and exciting facet of hamming, which until this point and time has been a mystery. The short rapid-fire exchange of a c'test leave many hams cold, but excite others to the point of distraction. An avid con- tester sleeps little on weekends and will stay up until band con- ditions deteriorate or his adrenalin ceases to flow.

Just like getting your license, entering a contest requires a bit of study first. Start by reading the contest notice in an amateur radio publication. CQ, QST, and 73 all carry a listing of upcoming events. Pick a contest that will allow you to get in slowly over a long period of time. Some tests are only hours long while others cover an entire weekend. Also pick a time when most of the operating hours are available to you without being interrupted by expected visitors or other planned events. Listen to the QSO exchange of the other contest operators before attempting to jump in. Don't worry if you make a mistake. The other station will want the points your QSO will give him and will aid you through the exchange. If the contest that you have chosen is an international DX type then move around the band and listen for the rare DX stations. Many of these stations only come on the air for the DX contest weekends and can't be worked any other way.

For the first time contest, try working the ARRL novice roundup. Although not a contest that Canadians can enter for awards, it will provide an opportunity for you to work many U.S. states and provide points for U.S. novice and technician class amateurs who are officially entering the test. The speed will be slow and the time is over two weekends including the time in between. This is the only contest I know that is designed for the beginner and allows plenty of time to get your feet wet, dried off, and the contest shoes fitted. It is usually held the first week of February each year. The whole idea of the contest is to work as many stations as possible in as many different ARRL sections as possible.

73's and gud luck with your first c'test.

TOM VE3KZE

(This is a bit late for this year's novice roundup but the ideas offered by Tom are first rate, particularly the reminder that the guy on the other end is just as interested as you in completing the QSO. Ed.)

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SOME SWINGING SHORTS

Here it comes again— The Annual Southern Ontario Repeater Team Amateur Radio Flea Market— Sunday, May 15th, 1983 at Medway High School on Medway Road just east of Highway 4 according to the notice but just west according to the accompanying directions. Former students and staff of Clinton Radio School will recognize Highway 4 as the London to Clinton road.

The Ottawa Valley Mobile Radio Club advises that the annual auction of ham gear and boat anchors will be held again this year in the Canterbury High School, April 23rd. Dig into the junk box now and get all those good items you've been saving all these years. Take them to the auction and bring home a different pile of junk. The usual format of flea market in the mning and auction starting around noon is expected.

From TOT-TOPICS of the Ontario Trilliums. . . Mary, VE3COH says with her G file in Jan/83, she sent out 1436 QSLs 67, envelopes. Thirty six were SASE and the other 31 she had to address. From Jan to Jan, she mailed 7027 QSLs and the postage owing to her was \$9.85. All amateurs should send in more postage to update the SASE's on hand and some funds so more postage can be adjusted. There are 17 volunteers with files.

And a rock from the angry crowd. . . In the Hamilton Amateur. . . "A recent editorial in TCA dealt with the questionable business practices of a well known amateur radio outlet in Toronto. Since we do not have the approval of TCA to re-print the details we can only refer you to the original."

From the February issue of the Halifax Amateur Radio Club Bulletin. . . The Dartmouth Club issued a challenge to the Halifax Club to participate in a Two-Metre Hidden Transmitter Hunt which the Halifax Club gladly accepted. The event took place on Saturday, February 5th and was won by the team of VE1TT and VE1NN, members of the Dartmouth Club. The challenge was renewed by the Halifax Club and the next one will be held sometime in March. In connection with this event, a trophy originally competed for Field Day events by the two clubs was recently unearthed from storage and is being used now as the trophy for the two-metre competitions between the two clubs.

In case there is someone out there who might be wondering, a swinging short does not refer to anyone's underpants when used in the plural.

#### TEN COMMANDMENTS FOR ELECTRONIC TECHNICIANS

1. Beware the lightning that lurketh in the charged capacitor lest it cause thee to bounce upon thy behind in a most untechnicianlike manner.
2. Causeth thou the switch that supplieth large quantities of juice to be opened and tagged that thy days be long and thy work less shocking.
3. Be thou sure that all circuits that radiateth and upon which thou worketh are grounded and tagged lest they lift thee to radio frequency potential and causeth thee to radiate.
4. Tarry not amongst those that engageth

in intentional shocks for they are surely nonbelievers and are not long for this world.

5. Take care that thou useth the proper method when thou takest the measure of a high voltage circuit lest thou incinerate both thyself and thy meter, for verily, though thou hast no inventory number, thy meter doth have one and, as a consequence, bringeth much woe unto the supply department.

6. Tampereth thou not with safety devices and interlocks, for this inurreth the wrath of thy supervisor and bringeth the fury of the safety inspector upon thy head and shoulders.

7. Trifle thou not with radioactive substances lest thou commence to glow in the dark like a lightning bug and thy wife have no further use for thee except thy wages.

8. Work thou not on energized equipment for if thy dost, thy fellow workers will surely buy beers for thy widow and console her in other ways.

9. Service thou not equipment alone, for electrical cooking is a slothful process and thou might sizzle in thine own fat for hours upon a hot circuit before thy maker sees fit to end thy misery.

10. Thou shalt not make unauthorized modifications to equipment, but causeth thou to be recorded all field changes and authorized modifications made by thee, lest thy successor tear his hair and go mad in his attempt to decide what manner of creature hath made a nest in the wiring of such equipment.

de KWARC BULLETIN and  
W6SD CARRIER

X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X

"Tell me, I'll forget. Show me, I may remember. But involve me and I'll understand. (Chinese proverb)

de BURLINGTON ARC  
PRINTED CIRCUIT

#### BARTH'S LAW OF DISTINCTION

There are two types of people; those who divide people into two types, and those that can't.

BRADLEY'S LAW — The more carefully you work, the more mistakes you will make.



### CANADIAN SKI MARATHON-CONT'D

IN THE MARCH ISSUE OF GROUNDWAVE THERE WAS A LIST OF RADIO AMATEURS WHO HAVE OPERATED THE CANADIAN SKI MARATHON ADMIN. AND DATA NETWORKS DURING THE LAST TEN YEARS. DURING THIS TIME THERE WERE 15 AMATEURS WHO OPERATED WITH THE SAFETY PATROL FOR THE SKI MARATHON. THEIR JOB INCLUDES PICKING UP CASUALTIES, GIVING FIRST AID, SWEEPING THE TRAILS FOR SKIERS LEFT BEHIND AND GENERALLY DEALING WITH HEALTH AND WELFARE. HERE IS A LIST OF THOSE AMATEURS WITH THE TOTAL NUMBER OF YEARS WORKED ON THE MAIN AND SAFETY NETS. VE2ARP(5) VE3'S AHN(3), AMK(10), AOE(4), EOF(7), ENZ(1), FSN(2), JKAC(2), JRF(1), JRL(6), JSR(6), KKB(1), KMR(5), LBH(3), LOT(6). MANY MANY CONGRATULATIONS ON A JOB WELL DONE.

### SATELLITE COMMUNICATIONS CONFERENCE

BEING HELD AT THE HOLIDAY INN, KENT STREET JUNE 14-17, 1983. LOOK FOR A PAPER BY AMSAT CANADA ON THE 15 AMATEUR RADIO SATELLITES THAT

HAVE FLOWN (YES FIFTEEN). RIGHT NOW THERE ARE 6 ACTIVE AMATEUR SATELLITES IN ORBIT, WITH ANOTHER TO BE LAUNCHED FROM KOURU IN JUNE OF THIS YEAR, A NEW RUSSIAN "RS" BEING GROUND TESTED IN MOSCOW FOR NEAR LAUNCH AND JAMSAT-JAPAN HAVING A LAUNCH CONFIRMED FOR EARLY 1984. ARE YOU KEEPING UP WITH THE SPACE AGE? HAD MANY SATELLITE QSO'S ?

### THE GATINEAU 55 SKI LOPPET

SATURDAY FEB. 29 SAW SOME 1200 SKIERS MOVING ABOUT IN THE SHADOW OF THE CLUB REPEATER VE2CRA IN THE GATINEAU HILLS. COMMUNICATIONS WERE HANDLED BY OUR CLUB UNDER ORGANIZER RICK VAN GASTEL, VE3HVA.

SPECIAL THANKS FOR THE FOLLOWING AMATEURS WHO SPENT THE DAY WITH THE SKIERS. VE3'S CCV, HJT, HVA, INX, JRX, KJQ, KLT, LAR, LOT, MPG, NPX. "IN THE BEST TRADITION"

### OOPS---

MENTIONED IN LASTS MONTH ISSUE THE INTERFERENCE BEING CAUSED TO WIAW CODE PRACTICE BY CANADIAN SSB STATIONS OPERATING ON 40 METRES. HOWEVER THE FREQUENCY FOR WIAW IS 7080 KHZ NOT 7070 AS MENTIONED. SPEAKING OF 40 METRE SSB IF YOU WONDER WHERE THE ONTARS NET HAS GONE JUST SWITCH YOUR SIDE BAND SELECTOR TO UPPER SIDEBAND. FOR SOME REASON THIS NET HAS DECIDED TO TOSS OUT THE ACCEPTED CONVENTION OF LOWER SIDEBAND ON FREQUENCIES BELOW 10 MHZ. -AND WHEN NET STATIONS QSY OFF THE NET FREQUENCY OF COURSE THEY STAY ON UPPER SIDE BAND. AH WELL... ONLY IN CANADA.

### RADIO SOCIETY OF ONTARIO CONVENTION

MARK SEPTEMBER 23, 24, 25 FOR THE 1983 CONVENTION AT THE INN ON THE PARK, TORONTO. MARK OCTOBER 5, 6, 7 FOR THE 1984 CONVENTION AT THE WESTIN HOTEL IN OTTAWA.



Portable Operation--Cont'd.

be more durable than gel cells, and though heavier than NiCds, are more forgiving of abuse. The Kenwood pulls 17 amps key down, which works out at about 8 amps average SSB talk power at 150 watts input. So on the 1:10 cycle, I would have about 15 hours operating time on one charge. 100 watts portable is great; no more problems getting through static on SSB. I used an MFJ-941C antenna tuner into a 120 foot wire antenna. I found the long wire/tuner combination to be more effective than the trapped dipole without a tuner, probably because the dipole did not always present a good match--proximity to trees varied from site to site and this did change the SWR. Also, the configuration was dependent on convenient trees and varied from straight to a very narrow inverted Vee. With the tuner, I could at least always get a good match, even if I were loading up the tent pole on its own! The long wire was a lot simpler to set up; just throw it over tree limbs as long and as high as conveniently possible. There was no coax feed-line to bother about. The tent poles are inside the tent, protruding a couple of inches above the ridge line outside. So just clip the long wire to the top of the pole with an alligator clip outside and use another clip to connect a wire from the tuner to the pole inside the tent. No need to use a ground wire as it didn't make any difference. On one occasion, during a thunderstorm, I disconnected the long wire from the tent pole, of course, and just loaded up the four foot pole itself. It worked--just readable in Toronto on 80 metres SSB.

But Oh! The Weight, even with a specially built back-frame! The equipment weighed in at around 45 pounds, fully waterproofed. This was in addition to other camping equipment. Those portages were long. At one time I had 95 pounds on my back. The canoe had to be carried separately, of course. Still, the batteries did hold out, giving me one-half hour a day for two weeks. A check into ONTARS in the morning, again in the

early evening, and a check into the CJ or Quebec Radio Net in the evening. Many amateurs responded to my calls for phone patches, and I would like to thank especially VE2SD, VE3HTJ and VE3FSO for their assistance. I think VE3HTJ and I may have made a first the time he dialed up my sister in England on the regular telephone line and completed a phone patch to me in Algonquin.

Anyway, two years of 45 pounds or so was tiring. It can be done, and I know that I can have a back-packable five band station ready to go anywhere it would be needed and operate for about ten hours non-stop. However, in the interests of my own enjoyment of canoeing etc., I decided to cut weight drastically. The Ten-tec Argonaut draws 250 ma on receive and 450 ma average on SSB transmit. A 2.5 AH battery pack weighs only a couple of pounds and should give me about 7 hours. I exchanged my Kenwood TS-130S with a friend for a two week period. I used a 2.5 AH battery pack and a 90 foot wire antenna (#22 stranded) with the MFJ mini-tuner; fortunately, the Argonaut has a built-in SWR meter. At one campsite on an island, there were no trees so I just strung the wire around the perimeter of the site about six feet above the ground along the tops of bushes. My SSB was readable by VE3HTJ, but not phone-patch quality! On another occasion, I had four near perfect patches into Hamilton, Ontario one evening. My battery pack went dead after 10 days (about five hours of use) and I used flashlight batteries collected from the rest of the group for the contacts over the next five days. A mixture of AA, D and even AAA cells were pressed into service, but the SSB was very distorted and the CW chirpy, but readable.

Now I have my own Argonaut. And oh yes, the weight! I check in now with just ten pounds including an ICOM 2-AT for VHF, Argonaut, battery pack, tuner, antenna and a small 100 ma/ 14 v solar panel for charging whenever the sun shines!

--Continued on page 11

Portable Operation--Cont'd.

What of the future? Dentron have come up with a very small 80 metre SSB rig with 25 watts input and weighing only 4.5 pounds. However, it takes 1.2 amps on receive or 800 ma with the digital readout off! Thus, I decided in favour of the Argonaut. It gives me five bands, and 40 metres has quite a number of useful nets such as ONTARS on 7.055 MHz and COM-SONT on 7.072 MHz at 1000 hours. It seems to me that it would be within the bounds of present day technology to have a small (less than four lbs.) SSB five band rig with 20 watts input, liquid crystal frequency readout and with CMOS circuitry in the receiver, it should not draw more than 25-35 ma with the volume low or the audio fed into an earpiece. VHF handhelds don't use much more than that these days. If anyone hears of such a rig, please let me know!

I have just been looking at a digital watch with an AM radio built in. I hear that there is an FM stereo version on the way. Hmmm! I wonder where I could get a 5-band digital watch?

LETTER TO THE EDITOR

The Editor, the GROUNDWAVE:

In the November 1982 "CQ-Ham Radio" published for the Japan Amateur Radio League, an interesting list of frequencies is given for Russian Amateur Satellites. These may be of interest to the VHF Buff. The Beacon frequencies given are:

RS-3	29.320 MHz	RS-7	29.340 MHz
RS-4	29.360	RS-8	29.500
RS-5	29.330	AO-8(A)	29.520
RS-6	29.450	AO-8(j)	435.10
UO-9	145.825 and 435.025 MHz		

Downlink and Uplink frequencies are given in the table at the top of the right hand column. Although the Japanese VHF Class Licence requires no code, power is restricted and much incentive is given to operating protocol, proficiency in antennas and great emphasis is placed on Club Activity.

Satellite	Downlink	Uplink
RS-5	29.410-29.450	145.91-145.95
RS-6	29.410-29.450	145.91-145.95
RS-7	29.460-29.500	145.96-146.00
RS-5(R)	29.331	145.826
RS-7(R)	29.341	145.835
RS-8	29.460-29.500	145.96-146.0
A08(A)	29.400-29.500	145.85-145.95
A08(J)	435.2-435.1	145.9-146.0

Many Clubs which compete in various contests have upwards of 30-40 members. All Club Stations have a "Y" or "Z" as the first letter after the call area number. Most have banners, similar to those of lodges and service clubs. Their place in the community is assured.

The November 1982 issue of "CQ-Ham Radio" contains 530 pages devoted to all aspects of Amateur Radio and is reminiscent of activity 20 years ago, but with modern equipment. The Colour advertisements are spectacular!

73,  
Ralph Cameron, VE3BBM

ANTENNAS ON APARTMENT BUILDINGS

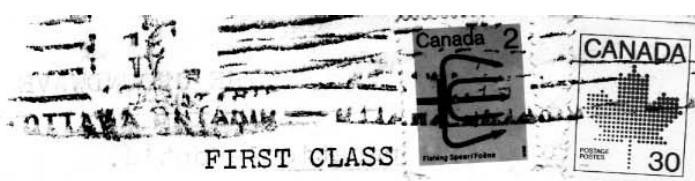
by Bill Deacon, VE3BDO

This article deals with how one ham got antennas on the roof of a high rise apartment building. There is no implication intended that this is THE WAY to do it, since I have only lived in this one apartment! Consequently, I have had only the one experience. If some readers find some helpful ideas in what is written here, the article will have accomplished its purpose.

Starting up on two metres with an antenna on my balcony, I experienced the usual frustration of not being able to reach repeaters located on the opposite side of the building. In addition, I heard some old buddies on our floor commenting on the sight of a "CB" antenna on "their" floor and the RFI it was sure to cause in their assorted TVs, radios and stereos. I realized that I must move quickly if I were not to become the leper in the colony.

--CONTINUED NEXT MONTH

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



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