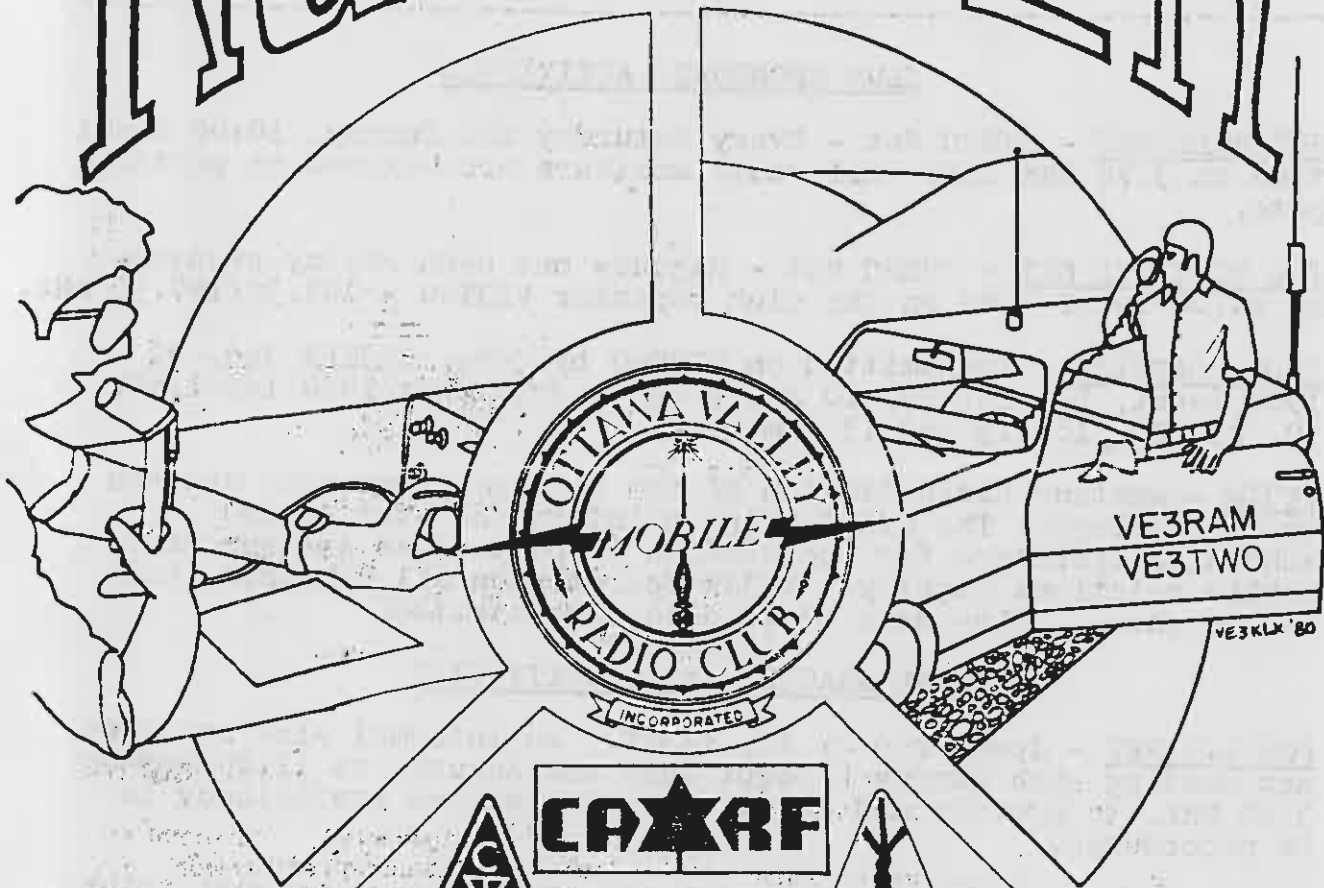


RÄMBLER



CARR



DEC 20 1984



THE OTTAWA VALLEY MOBILE RADIO CLUB INCORPORATED

1984-1985 EXECUTIVE

PRESIDENT	Pat Brewer	VE3KJQ	725-1528
VICE PRESIDENT	Vance Johnson	VE3OAO	824-9555
SECRETARY	Bob Campbell	VE3KLK	729-7536
TREASURER	Fred Haire	VE3NJF	737-4638
TECHNICAL ADVISOR	Mike Shacklock	VE3LAR	523-1571
PUBLIC RELATIONS	Alan Boyce	VE3LNH	737-4937
EDITOR	Jerry Wells	VE3CDS	225-7374
PAST PRESIDENT	Dave Coutts	VE3KLX	829-2537

CLUB SPONSORED ACTIVITIES

POT HOLE NET - OVMRC Net - Every Saturday and Sunday, 10:00 local time on 3.76 MHz SSB. All radio amateurs are welcome to participate.

THE WISE OWL NET - OVMRC Net - Ragchew net each Friday evening at 20:00 local time on the club repeater VE3TWO - 147.30/147.90 MHz.

CODE PRACTICE - Transmitted on VE3TWO by Dave, VE3KLX Wed. at 1900 local, 18, 15, 13, 10 and 7 wpm. Friday at 1900 local 40, 30, 25, 20, 18, 15 and 13 wpm.

VE3JW - Amateur Radio Station of the National Museum of Science and Technology. The OVMRC helps maintain the station and schedules operators for the station as part of an Amateur Radio public relations display. VE3JW operates on all HF Bands, both CW and phone. Slow scan TV is also demonstrated.

LOCAL AMATEUR RADIO ACTIVITIES

POT LID NET - Sponsored by Ed, VE3GX. An informal slow speed CW net meeting each Sunday (except July and August) at 11:00 Hrs on 3.62 MHz, to provide and stimulate interest and proficiency in CW procedures.

CAPITAL CITY FM NET - Sponsored by the Ottawa Amateur Radio Club Inc. every Monday night at 20:00 Hrs. Conducted on VE2CRA repeater 146.94/146.34.

SWAP NET - Sponsored and conducted by Ed, VE3GX, each Sunday as a part of the Pot Hole Net and each Monday as a part of the Capital City FM Net (except July and August). Ed may be reached at 733-1721 for listings and queries.

ALL CONTRIBUTIONS TO THIS BULLETIN GLADLY ACCEPTED

Membership in the OVMRC is open to all those interested in Amateur Radio. Regular meetings are held on the third Thursday of each month (except July and August) at 20:00 Hrs unless otherwise posted. Meetings normally take place in the auditorium of the Museum of Science and Technology on St. Laurent Blvd. (south of the Queensway)

THE VIEWS FROM THE TOP

I can't seem to find anything major to mention this month, just a number of little things. I have sent away for the antenna and power supply that was approved at the last meeting. This is for the club's new 2 meter rig. If you are a new member of the club this year, are licenced, and don't have an Ottawa area amateur directory, see me for your free copy. There should be eleven of you out there. Club members wishing a second directory may purchase the remaining unclaimed directories at cost price.

Russ reports that the "code phone" is now working quite well. This is a club sponsored phone number that you can call for code practice. The number is 825-0786. This service was set up primarily to help our course students and the code on the phone will be at the current class speed. For the next week it will be at 9 wpm and will be at 10 wpm over the holidays.

The annual club banquet was this past month on November 24th at the Dragon Tavern. There were mixed feelings about the HOT and sour soup, but everyone agreed that once your taste buds had been burned off your tongue the rest of the hot dishes went down much easier. I also understand that there was a run on antacids at a nearby drugstore that night. OK, so most of this is a lie. Actually, once we got sorted out which dishes were hot and which were not, a good time was had by all. Alan and Joyce picked out some very nice doorprizes at the craft fair.

Finally, I would once again ask that anyone with club equipment in their care please let me know what they have and where it is.

At this time of year I would like to take this opportunity to wish you and yours a safe and happy holiday season. See you at the December 20th meeting.

de Pat VE3KJQ
President

NOTICE OF MEETING

The next regular meeting of the Ottawa Valley Mobile Radio Club will be held at the Museum of Science and Technology on Dec 20. As this will be our last meeting for 1984 be sure to attend.....

MATERIAL PUBLISHED IN THE RAMBLER DOES NOT NECESSARILY REFLECT CLUB POLICY OR VIEWPOINT. ANY ITEMS MAY BE REPRINTED BY AMATEUR RADIO OR SIMILAR PUBLICATIONS WITH THE PROVISIO THAT CREDIT BE GIVEN TO AUTHOR AND SOURCE.

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THE OTTAWA VALLEY MOBILE RADIO CLUB INC.
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OTTAWA ONTARIO
K2C 3M1

QUA VE3OAO

Membership in the OVMRC has swollen to an all time high of 110 members as of December 1, 1984. There is a possibility of another membership application being received for another new member from someone that our Past President, Dave VE3KIX was conversing with at the recent OARC Flea Market last month.

We now have five new members since those reported in this column last month. They are Daniel Sander VE3MHU, Denis Rule - Student No. 20 in our OVMRC '84-'85 Amateur Radio School, Robert Hicks VE3OSN, Archie McKenzie VE3NJY and Henry Greenway VE3OMU.

As promised by our Editor, Jerry VE3CDS, here is a complete list of paid up members (listed alphabetically by call-sign except those members that don't have their call-sign YET!)

HP2MD/VE3, VE2BGC, and the following VE3's:
 AAG, ABC, AHN, ASM, ATJ, BAJ, BOK, BXG, CAO, CCT, CDS, CEP, CV, DVH, EDR, EEC, FHU, FN, FNG, FSN, FUB, FXF, GJY, GOG, GQE, GVI, HDO, HMF, JDB, JDJ, JQJ, JKR, JLG, JLP, JPC, JRG, JRR, JSM, KJQ, KLK, KLX, KMG, KMV, LAR, LC, LNH, LOW, MHU, MJD, MJY, MPG, MSC, MSJ, NJD, NJF, NJI, NJM, NJN, NJY, NVI, NVL, OAI, OAM, OAO, OAT, OAW, OFM, OPT, OMA, OMF, OMM, OMU, OSE, OSM, OSN, OSP, ONE, YK, YO and ZS. Matt Bowcock, Christopher Brand, Bruce Davison, George Dew, Cecil Dick, Luis Ferreira, Stephen Fitak, Donald Girard, Delene Hardy, Reg Hardy, Margaret Hughson, Mary Johannsen, Dena Johnson, Keith Johnson, Shawn Johnson, Charles King, Sue MacLatchie, Ken MacKinnon, Ken MacLennan, Rich Renaud, Kathleen Rodd, Denis Rule, Eric Still, Fred Taetz, Judy Taetz, George Webster, Henk Welting and Allan Wrenshall.

Being membership chairman this year has kept my articles for the Rambler mostly on that topic. I've had other thoughts and activities that maybe there will be space to expound upon in later editions of the RAMBLER.

Today, there were four of our members in two shifts operating the club station at VE3JW in the National Museum of Science and Technology, as there has been on tochr occasions. It was my pleasure to be on the second with Jerry, CDS. When we came in, Rick NJM and Gord OSM were so busy with their many good QSO's that they didn't realize what time it was. They had trouble getting disconnected from all the calls that kept coming in every-time they tried to get away. On their last call from a "DX" station, VE3CPC (Hi Hi) all four of us entered into the QSO with a visitor from near Vancouver who has been taking a course at the Canadian Police College. (This was on 20 metres.) The reason I am sharing this with you is to remind uou what a fine station this is and that it is available to any licensed club member to operate at nearly any time of the day because even though the museum is closed part of the time, there are always guards on duty and they enjoy the active company amateur radio operators add to these otherwise silent hours. Also, I would like to encourage our students to keep up their work through the Christmas Holidays so that they can also share in the privilege of operating VE3JW when they pass their tests from the DOC next February.

Happy Holidays! 73 VANCE SK

WHAT CAN WE DO? OR BETTER STILL - WHAT ARE WE GOING TO DO?

The other day, the second Canada-wide mailing by the CR&L to all amateurs arrived at my place. I said to myself, "Here we go again with another bunch of loaded questions". Actually it wasn't all that bad even though there was an attempt to lay a guilt trip on everyone that didn't already belong to the 'League. But that isn't why I'm writing this. The 'League could perhaps take credit for motivating me to write here but I've been thinking about it for some time, and most recently, after the post mortem the Ottawa Amateur Radio Club's Radio Society of Ontario Convention Committee conducted on RSO Convention '84. The committee noted that like other conventions we have known, attendance was down. This may be attributed to a number of things like Thanksgiving weekend, competition from a flea market in the Hamilton-Burlington area, high prices at the hotel or few exhibitors. Once again that is not really what I'm writing about either. But what do these two things have in common? Glad you asked! I'm talking about age! If there was anything that rang out during Convention '84, it was that we are getting to be an old group. I would wager that there was no one, or very few, under the age of 20. There were perishingly few people there under 30 for that matter. The computer (Commodores, Apples, Ataris and clones of all types) has stolen the youth away from us. I just had another blinding revelation! The Ottawa Valley Mobile Radio Club's third course is now over half way through. Of all the people we have had registered in these three courses, about 70, there could only have been two or three under the age of 20. And I don't think anyone under the age of 30 has obtained their ticket as a result of our efforts! What the %&*!ç is going on? I don't recall if I gave my age to CAR&R when I signed up with them, I don't think so. The 'League doesn't ask for ages either but I bet if they did we would see an average age a lot higher than that you would care to predict.

What am I driving at? Just this. If young people are not inducted into our hobby at a rate equal to or higher than that of the demand for radio spectrum, we will lose it. That is not a concern to you over 65 perhaps, but I've got a few years to go before I retire and would like to see the spectrum there so I can enjoy it too in my loafing years.

I don't believe we can get the young people of today to lay down their keyboards and pick up the key and spend great amounts of time learning morse code, theory and regulations. There will have to be a reduction in the standard for admission to the hobby or we will kill the hobby ourselves. We need the communicators licence. All marketing strategists know that if they are going to make a lasting impression on the business world, they have to cater to the young. We must do the same. "%&*!ç no" I hear you say. "I had to do it that way and so will everyone else". But you didn't have the computers to play with, you didn't have all these color TV shows to watch, you didn't have all the other high-tech diversions to compete for your attention. Simply put, if all you had to do was lay out a couple of thousand dollars for an FT this, IC that or TS umpty-ump, get an antenna and start talking to the world, we probably would have a lot more Hams (and a pretty sorry spectrum too admittedly!). There must be a middle

of the road approach we can follow though. What we need to have is a token test which will weed out most of the lunatic fringe but not too difficult so as to maintain the current state of affairs. After all we weren't able to keep the lunatics that we have now out of the hobby were we? Once we have this pseudo Ham, what privileges do we give him/her? Now it will have to be something that will be attractive enough to draw the newcomers so I reluctantly suggest 2 metres and a small part of the "HF" spectrum for CW and impose limitations. We will have to give them 2 metres because that's where everyone else is. And the HF will give them enough of a tease to get them going further. But at least we will have them and they will be statistics to help us hold on to the rest of our spectrum.

What this whole thing above ignores however is the fact this would be another set of tests for the DOC to administer. As a government employee myself, the last thing we need is more to do when our political masters are cutting resources left, right and centre. What we should do is have the clubs test people to a specified level and certify to the DOC that a basic level of competence has been demonstrated. Confident that such competence exists, the DOC could issue a completely different call such as XM3ABC (or any other valid prefix). These licences could be for a fixed period of time and/or they could demand a sponsor in much the same way as the visually handicapped person.

I admit that there are lots more things to think about before we could consider approaching DOC with this but what I think we must do is drop the "I had to do it so you have to too" mentality or soon we won't have any spectrum to do it in! Let's come up with ideas on how we can do it. I certainly don't put up the solution above as the only one but rather to get you thinking. I hope you will write to your club and offer comment. Both CARF and CRRL, as well as the provincial organizations, have roles to play here too but they can't read your minds, you've got to let your feelings and ideas known. WHAT ARE WE GOING TO DO?

Mike Shacklock
VE3LAR

FROM CRRL NEWS

The CRRL Committee of Tellers met in London, Ontario, on November 20 to count ballots in elections just completed for CRRL Regional Directors. The number of votes credited to each candidate was as follows. Atlantic Region: Andrew McLellan, VE1ASJ, 162, and Ronald Rosler, VE1SH, 71. Ontario Region: Raymond Perrin, VE3FN, 643 and William Loucks, VE3AR, 360. Praries Region: William Gillespie, VE6ABC, 260, Bert Anderson, VE4AP, 132, and John Gowron, VE4ADS, 55. Andrew McLellan, Raymond Perrin and William Gillespie were declared elected. Candidates previously declared elected were Quebec Region: Albert Daemen, VE2IJ, and Western Region: William Kremer, VE7CSD. All begin new two-year terms of office on January 1.

The world's oldest Amateur Radio society, WIA, the Wireless Institute of Australia, is opening its membership to those outside of Australia. Interested in joining and receiving WIA's journal monthly, Amateur Radio? Contact CRRL for more information.

KREMLIN DROPS ELECTRONIC CURTAIN AROUND ONE-SIXTH OF WORLD'S SURFACE
SUNDAY START, SEPT. 23, 1984 - By Robert Gillette, Los Angeles Times

MOSCOW -- First comes the familiar signature - a few bars of 'Yankee Doodle' - followed by an announcer's voice slicing crisply through background static in impeccable Russian: 'Vy slushaetye Golos Amerki'--'You are listening to the Voice of America.' Then comes the jamming. Across the Soviet Union's 11 time zones, hundreds of powerful shortwave transmitters tuned to the same frequency crackle into action as the government begins its nightly attempt to place an electronic curtain around one-sixth of the world's land area. The annual cost is between 130 and 390 million dollars, according to a study last year by the U.S. Information Agency. The Soviets employ between 5,000 and 15,000 technicians to run 200 jamming transmitters in about 100 cities, the study says. No other modern industrialized state invests such enormous resources in a systematic effort to deny its 274 million people information from beyond its borders -- or does so more effectively.

By the same token, no other people spend more of their time and energy trying to circumvent these restrictions. According to authoritative western estimates, about 20 million people -- nearly 1 in 10 Soviet adults -- attempt to listen at least once a week to the foreign radio broadcasts that the United States, Canada, Britain, West Germany, Israel, South Korea, China and France beam to the USSR.

The jamming begins as a low hiss of electronically generated 'white noise' often mixed with Morse code. Then it rises like the tide as a dozen regional monitoring centres around the country fine tune a nationwide jamming system to match a flood of incoming signals. Sometimes the Soviets attempt to smother foreign shortwave stations with deliberately distorted music and news programs from their domestic Radio Mayak. Most of the jamming is done by transmitters situated in the larger cities. The transmitters are often linked to antenna towers topped by distinctive reflectors that look like palm fronds, which focus a low-lying sheet of shortwave radio noise throughout the city. These 'groundwave' jammers have a maximum range of about 20 miles, which means that every large city requires at least one such station, each with as many as 50 separate transmitters. In an effort to fill the gaps between cities, the Soviets operate a number of 'skywave' jammers designed to bounce radio noise off the ionosphere, the reflecting layer at the top of the earth's atmosphere. Skywave stations in Siberia try to jam reception in the Ukraine, thousands of miles to the west, while Ukrainian skywave jammers aim to block reception in Siberia. Skywave jammers are less effective, however, especially at twilight when the ionosphere becomes unstable. As a result, foreign stations can often be heard clearly just outside Soviet cities, where many Russians own or rent dachas. Some determined listeners avoid the jammers by driving out into the countryside. Others have found that by moving the radios around inside their apartment they can find what engineers call the 'null point', where the building itself shields some of the jamming signal. Still others manage to modify their Soviet-made radios to pick up higher frequencies that are jammed only infrequently or not at all.

TECH TALK

What follows here is a repeat of an article written by Jack Belrose, VE2CV, which has appeared in a number of publications not the least of which are April 1983 QST, the VE2KPG ARA information bulletin number 8 of December, 1981 and a Communications Research Centre document identified as Coastal Labrador Communications DRC-TN 84-03 VHF Trail Radios: Technical Requirements dated 16 October, 1984. In case you don't know, or didn't gather from the above, Jack is the licensee of Ottawa-Hull's own VE2KPG. The antenna can be constructed quite easily and by substituting different lengths for the component parts, can be made to operate on two metres, 220 MHz or 440 MHz.

There are three basic dimensions which are needed and they, for the purposes of this article, will be referred to as A, B and C where:-

$$A = 0.965 \quad L/2$$

$$B = 0.83 \quad L/4$$

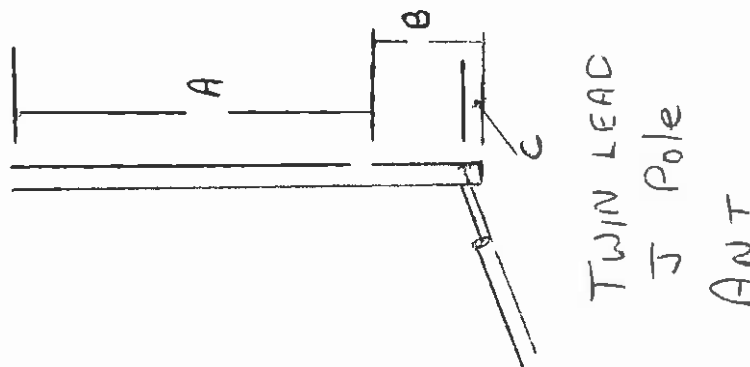
$$C = 0.0136 \quad L$$

$$\text{where } L = \text{wavelength} = \frac{30000}{f\text{MHz}} \text{ cm}$$

When you work out the lengths for two metres you may get slightly different figures than those that follow in the table, but these are accurate as the antenna I constructed followed these suggested dimensions and it works very well.

Frequency	A length	B length	C length	Gap Lenth
147	98.5 cm	42.2 cm	2.78 cm	0.6 cm

The gap dimension of 0.6 cm turns out to be just the width of the bite of my nibbling tool so that part of the construction was easy. I would like to thank Jack for sending over some added data to allow me to pass this project along to you. I'm sure you'll find this an easy project and useful to boot!



I should perhaps point out that the design of this TV twin lead antenna was based on using Belden 8230 ribbon cable. Hope you have fun with it!

TTFN
MIKE - VE3LAR

OVMRC MINUTES NOV. 15, 1984

The PRESIDENT called the meeting to order at 2003 hours and introduced the visitors to the meeting. Visitors were VE3GK-Gerry, VE3NJY-Archie, VE3OSN-Bob, VE3NPZ-Mike and VE3KHT-Herb.

The minutes of the October meeting were approved on a motion by VE3NJI seconded by VE3LAR.

VE3GK, Gerry King made a special appeal for operators to take part in the annual "Operation Radio Noel" at the Children's Hospital on Thursday December 13 starting at 1730 hours and usually ending at about 2100 hours. Gerry needs about 25 operators and the only requirement is a hand-held rig with a speaker mike. This is an opportunity to bring Christmas in the form of Santa Claus by radio to the children who will likely be in the hospital during Christmas.

PRESIDENT: Pat reported he is still not settled in at his new address. He also commented that VE3OAI, Bill, has obtained his advanced certificate and that Chris Anderson has obtained his amateur certificate and sports the new call VE3OWE. Both are graduates of the club Radio course.

VICE PRESIDENT: Vance reported the club membership had now reached 107, the highest figure in its recorded history.

TREASURER: Fred reported that estimated expenditures for the balance of the club year should be about \$1200 leaving a forecast carry forward of about \$1700 to the next club year.

TECH ADVISOR: Mike forecast some club projects for the balance of the club year and requested members to let him know of any projects they might wish to have included.

P.R. COORDINATOR: Alan spoke concerning the recently held meeting of the "VE3JW" advisory committee at which budgetary expenditures for the station were discussed. One proposal put forward was the acquisition of a VHF/UHF Satellite station. A second was to set up an AMTOR RTTY capability. Alan asked that any people present who also had ideas for the Museum Station should let him know before the final budget meeting in two weeks time. Concerning the museum station Alan stated it was now in better shape although the linear is away temporarily for adjustment. Slow Scan TV should start Saturday November 17. He also repeated his request for more operators to keep the station in use with special emphasis on the Christmas holiday period when there are lots of young students on visits to the museum.

Alan further reminded the members of the Club Banquet scheduled for Saturday, November 24 at the Dragon Restaurant, starting at about 1800 hours.

PRESIDENT: Pat reported receiving a letter from the RSO thanking the members of the Mobile Club who assisted in making the recent convention a success.

Pat also mentioned that the "code phone" is in operation at Russ' QTH. It is available 24 hours per day. Call 825-0786. Finally, he commented that the course still has 19 students of whom 15 are regular attendees and the instructors are still looking for "mentors" who could help the students with explanations of problem questions.

RSO: Merv mentioned again the matter of special amateur call-sign license plates. There has been some misunderstanding about this and some amateurs have even telephoned Toronto about

the matter. It would be helpful if interested parties would be patient until this matter has become official. DO NOT PHONE TORONTO!!! Rocking the boat may be counter-productive!!!!

CRRL: Ray spoke about the testing of a useless piece of equipment that has been advertised recently. He also referred to the recent CRRL mailing to all amateurs and asked members to respond.

CARF: There was no CARF representative at the meeting.

The executive meeting will be held at the home of the Secretary Thursday November 22 at 1930 hours.

The meeting adjourned on a motion by VE3LNH seconded by VE3OAO.

Bob VE3KLN
Secretary

VE3JW

Have you operated at VE3JW ? During the period between Christmas and New Years the station is available for operation. Contact Alan, VE3LNH at the club meeting or give him a call. It would be very good if we can fill up the operating schedule.....

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FIRST CLASS

FIRST CLASS

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