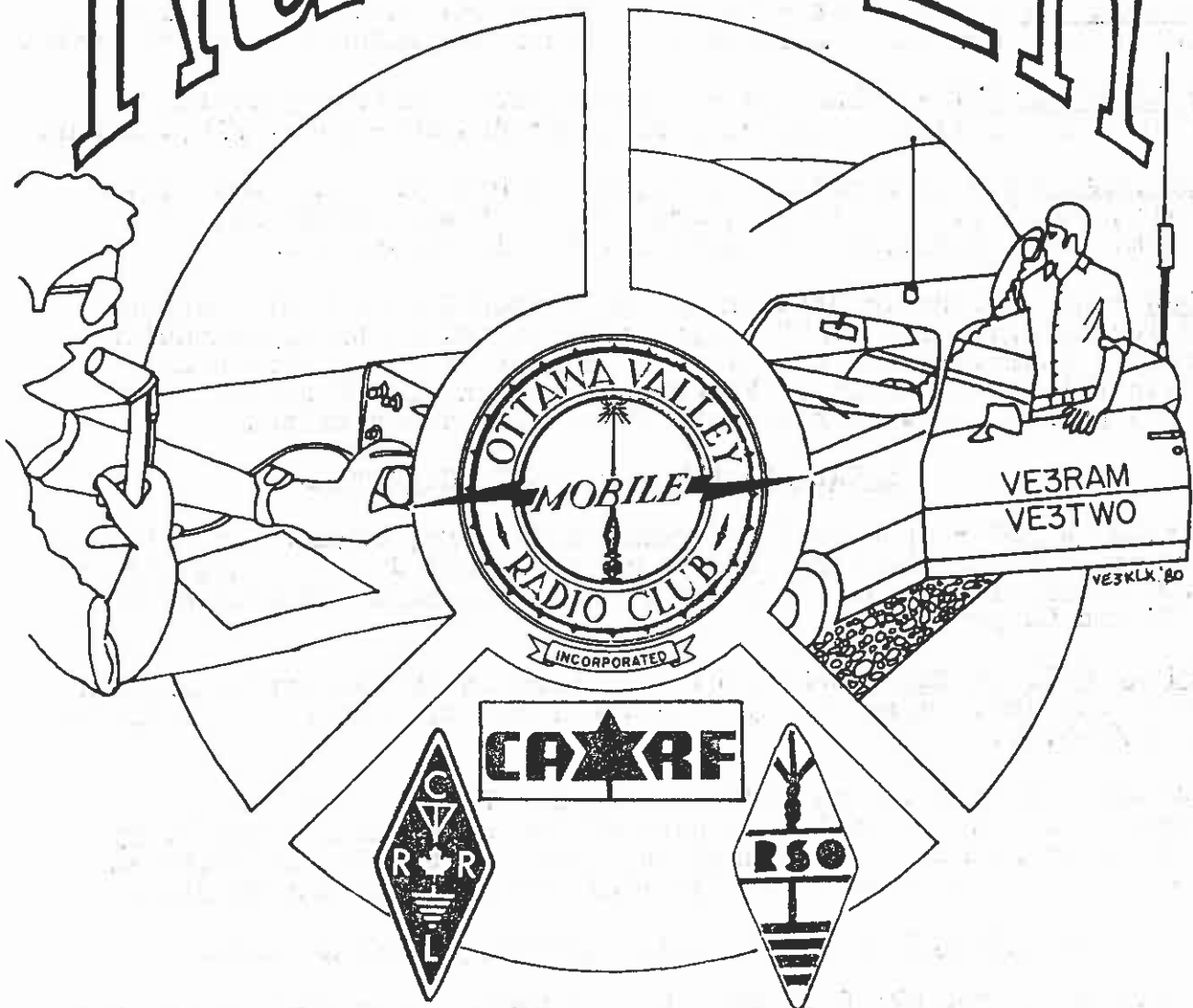


# RAMBLER



SEP 1982

THE OTTAWA VALLEY MOBILE RADIO CLUB INCORPORATED

1982-1983 EXECUTIVE

PRESIDENT	Russ Pastuch	VE3FSN	828-9235
VICE PRESIDENT	Dave Coutts	VE3KLX	829-2537
SECRETARY	Tim Evangelatos	VE3EWE	722-1358
TREASURER	Pat Brewer	VE3KJQ	725-1528
TECH ADVISOR	Dave Harris	VE3AMV	234-7812
PUBLIC REL.	Mike Shacklock	VE3LAR	523-1571
EDITOR	Jerry Wells	VE3CDS	225-7374
PAST PRESIDENT	Ray Perrin	VE3FN	225-8132

---

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 - 147.90/147.30 MHz.

CODE PRACTICE - Transmitted on VE3TWO by Dave VE3KLX. Wed. 19:10 20 wpm, 19:25 7, 10 & 13 wpm, Fri. 19:10 25 wpm, 19:25 13, 15 & 18 wpm. Both sessions end about 19:55; all times local.

VE3JW - Amateur Radio Station of the National Museum of Science and Technology. The OVMRC helps maintain the station, schedules provides 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 Amateur TV is also demonstrated.

LOCAL AMATEUR RADIO NET ACTIVITIES

POT-LID CW NET - Sponsored and conducted by Ed, VE3GX. An informal slow speed CW net meeting every Sunday (except July and August) at 10:00 local time on 3.62 MHz, to promote interest and proficiency in CW and CW procedures.

CAPITAL CITY FM NET - Sponsored and operated by the Ottawa Amateur Radio Club Inc. every Monday at 20:00 local time on repeater VE2CRA. 146.34/146.94.

SWAP NET - Sponsored and conducted by Ed, VE3GX. Every Sunday (except July and August) as a part of the POT-HOLE NET and every Monday (except July and August) as a part of the Capital City FM Net. Ed may be contacted 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 Club Meetings are held on the third Thursday of each month (except July and August) at 20:00 local time unless otherwise posted. Meetings normally take place in the auditorium of the National Museum of Science and Technology on St. Laurent Blvd. (south of the Queensway).

VOL. 25 No. 7

PREZ SEZ

Once again fall is almost upon us and all the outdoor activities related to amateur radio are still not done. I'm certain that everyone will agree that this has not been the best of summers, and if this trend continues, you may well need your gear to scream for help this winter.

The annual OVMRC bar-b-que took place on the 28th August at the QTH of Lloyd and Barbara Carr. The attendance was the highest in recent years and all who attended found the food and conversation most agreeable. Thanks to the Carrs for hosting the affair and to those that attended.

The amateur radio course is well on the rails and while the task is still formidable, it appears that most problems are under control. It is intended to have guest lecturers at most classes to give a ten minute presentation. So if you're expert at a particular topic, let a member of the executive know and we'll work you into the course schedule. Another way you can help is to volunteer as a "mentor". Your task, as mentor, is to be the helping hand at the other end of the telephone. The "Group of Four", as the course organizers have started to be called, will be busy organizing the course and in addition are the executive of the club, answering questions from twenty students as well, is impossible.

Keep mid November in mind as the time for the annual OVMRC banquet. Looks like we may just have a new restaurant this year. Details in next months Rambler.

See you all at the September general meeting and if you see faces you don't recognize, give them a warm greeting. These are course participants and soon to be amateur radio operators.

Russ VE3F6N

NOTICE OF MEETING

Our first meeting of the fall season will be held at:  
 The Museum of Science and Technology  
 Thursday, Sept. 16  
 2000 hrs.

All members are urged to attend. Details of our amateur radio course will be provided for the information of members

The first meeting will also give you an opportunity to pay your dues for the coming year. Fill in the form at the back of this issue of the RAMBLER.....

We'll see you all there.

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.

PUBLISHED AND DISTRIBUTED BY:  
 THE OTTAWA VALLEY MOBILE RADIO CLUB INC.  
 P.O. BOX 5530 STN. F  
 OTTAWA ONTARIO  
 K2C 3M1

VICE VOICE by DAVE VE3KIX

I realize that the title isn't quite as witty as some of my previous milestones such as The Treasurer's Chest and Spurious Emissions from the T.A. but it will have to do until a better name can be developed.

The past two months have gone by quite rapidly. The President and I have met frequently throughout the summer to analyze club business.

The last weekend of June came and went. To some it was Field Day. To us it was The OVMRC's 25th anniversary celebration number three. Once again the quad was put up along with the bazooka dipoles. The rigs were FT707's and all the power was provided by 12 volt car batteries. This system worked very well without one incident of anyone being unable to start his car. And again everyone took off towards late evening on the Saturday and the only ones who stayed behind were the Prez, Vice Prez, P.R. man and the Treasurer. It went down to 8 degrees Celsius that night. As far as I was concerned the only real interesting thing that happened over the whole weekend was an astronomy lesson that Pat 3KJQ provided for Kuss and I. I also got some great pictures.

Based on this overwhelming turnout I began to wonder whether I will bother even showing up next year. Morale was very low on Sunday morning and the Whole station came very close to being brought down early using the "I wonder what will happen if I cut this guy wire" system of antenna removal. Field Day is always so memorable, like your first cavity (dental that is).

On the home front I, along with many others, have been busily assembling one of the European Apple computer boards. After many months of toil getting the board to work I am now on a quest for power supply parts. This can be an exciting exercise. I should have the beast up and running in a few weeks. With 48k of RAM I should be able to start producing some fresh code tapes for the code practise. By the way, I haven't forgotten about the qualifying run. It's on the way pending the arrival of my computer into the all-singing, all-dancing mode of life. Then I will become the USER that TRON defends continuously.

Who knows maybe we'll get a WISE OWL COMPUTER NET off the ground.

Well that's it for now; the sum and total of my knowledge to date. See you at the September meeting.

////////////////////////////////////

THE END OF AN ERA

With this issue of the Rambler we are going to say good-bye to our old beat up typewriter. This machine has certainly seen better days. I guess the turning point was the nite Joyce (XYL) and I went over to Mike's, VE3LAN to see how the Rambler was printed. As it turned out, one of the stencils needed to be retyped and Mike wheeled out his nice modern machine. In pretty short order the XYL lashed out a new stencil. The handwriting was on the wall...get a new machine after all we got a new rig plus all that goes with it including a tower etc. What could I say? Our next issue will be produced on a nice new machine. We will keep this one for old times sake and the fact that it has a french keyboard.

Jerry VE3CLS

THE BOTTOM LINE

Here is a brief report on the club's finances since the time of the last financial statement. After the June election the books were handed from Ralph Thomas VE3GG to myself. Pat Brewer VE3KJQ. The books were audited by Stan Navratil VE3GYP and found to be correct.

Our present book balance (1/9/82) is \$1300.61. This places the club in better financial shape than ever before. The success of the spring auction is the main reason for this. We have changed our method of banking this year. We now have both Chequing-Savings and Daily Interest accounts. This will allow us to earn a much better rate of interest on our money. Additional expenditures over the summer were: \$134.00 to renew our insurance, \$26.25 to the OARC for the 1982 Amateur Directories, \$30.00 for Rambler postage, and \$21.40 for repairs to the club seal and a "For Deposit Only" stamp. We earned \$2.43 in interest from our bank accounts, but this is for only part of a month. We should make around \$100.00 in interest this year as opposed to \$14.87 last year.

As of September 1st we have 32 paid members. There is a membership application form in this issue for the rest of you who have not renewed yet. You can mail your cheques to the club or to me directly at 1170 Fisher Ave., Apt. 810, Ottawa, Ontario, K1Z 5R7. Payment in cash or cheque can be made to me at any club meeting. Renew now to avoid being dropped from the Rambler mailing list.

Over the summer Roger Gervais VE3NPO and Gilles Beaulieu VE3NPI joined the club. They got their tickets in mid July and we welcome them to the club, and to the hobby.

On a less formal note, the club was not sleeping during the summer. We had a great barbecue at Lloyd's house. The entertainment there was very "energetic" to say the least. I enjoyed Field Day even if certain others didn't. The Superex station got off the ground even though it was approved only three weeks before the Ex opened. Finally it was lots of fun fighting with the bureaucracy of the bank to move our account and open a new one. That led to the repairs to the club seal. No I didn't throw it at them.

Pat Brewer VE3KJQ

////////////////////////////////////

FIFTEEN MINUTE DIPPER

Almost everyone needs a dipper. It may be home-brew, kit or a name brand, the many uses are widely documented. (QST Dec. 80, Mar 80 and Feb 81 for instance)

If you don't own a dipper, perhaps you have a signal generator acquired at the flea market, or assembled years ago. The coils of the signal generator can be link coupled to an exterior coil which is used as the dipper coil.

Consider a receiver tuned to 7.1 MHz and the signal generator set to give a note on the receiver. Now, any coil capacitor combination coupled to the exterior will give a reaction in the signal generator-receiver combination if tuned to 7.1 MHz.

The calibration of the signal generator will be upset by 1% or so. This type of arrangement has rather limited use but it will work.....

Fred VE3BAJ

PRATTLE FROM THE PR CO-ORD

Well here we go as Public Relations Co-ord. Where do I start? Well one of the duties of the Public Relations Co-ordinator is to schedule operators at the Museum of Science and Technology Amateur Radio Station VE3JW. Since I took over the job in June, I have been reasonably successful in cornering a number of really fine people to operate. Before I list the group I will give a brief outline of the operation.

VE3JW is operated each Saturday and Sunday by volunteer Amateurs in and about the Ottawa area. Normal hours of operation are 1300 to 1600 Hrs local. The equipment making up the station are:-

Ten-Tec Omni transceiver  
 Ten-Tec Hercules linear  
 Heathkit SB-200 linear  
 Robot 400 Slow-scan  
 Heathkit monitor scope  
 CDE rotator  
 MP-33 antenna  
 40/80 metre dipoles  
 and a few other station necessities

As you can see there is some really good gear there. It seems that the big crowd pleaser is the slow-scan because you can show people on TV and send their picture to another "ham" and have him send it back, giving the crowd a quick trip to Texas for example.

Credit for doing a lot of work on the station recently must go to George, VE3BNO. Due to a requirement to relocate a few displays in the Museum, the booth will be relocated about 20-30 feet (how many metres is that!) to the south-east. This gives us a chance to completely redesign the layout and also give us an opportunity to do a little maintenance as well. This remodeling is scheduled for later this year. I know what you're saying "They told us that last year". Well now that it involves other displays in the Museum it will come to pass because we are now a part of a new plan, not just a stand alone remodeling.

Well thats a look at the station; how about a look at the people who have volunteered. This may look like a big list but I still have need of more operators for regular shifts and standbys as well. Here they are:-

VE3GYP	STAN NAVRATIL	1ST SAT.	WITH PAT 3KJQ
VE3KJQ	PAT BREWER	1ST SAT.	WITH STAN 3GYF
VE3GJY	JIM HAMILTON	1ST SUN.	WITH FRED 3BAJ
VE3BAJ	FRED NOBLE	1ST SUN.	WITH JIM 3GJY
VE3BNO	GEORGE ROACH	2ND SAT.	WITH FRAN 3HKG
VE3HKG	FRAN ROACH	2ND SAT.	WITH GEORGE 3BNO
VE3ATJ	DON REAVELY	2ND SUN.	WITH BUCKY 3JRR
VE3JRR	BUCKY MERKLEY	2ND SUN.	WITH DON 3 ATJ
VE3FSN	RUSS PASTUCH	3RD SAT.	WITH DAVE 3KLX
VE3KLX	DAVE COUTTS	3RD SAT.	WITH RUSS 3FSN
VE3NJS	JOHN SALMON	3RD SUN.	WITH GORD 3DY
VE3DY	GORD GRANT	3RD SUN.	WITH JOHN 3NJS
VE3EBI	DAN HOLMES	4TH SAT.	
VE3JPC	JIM CUMMINGS	4TH SUN.	WITH ED 3KLP
VE3KLP	ED KIPP	4TH SUN.	WITH JIM 3JPC
VE3EYJ	DICK JESTIN	5TH SUN.	(OCT. 82; MAY 83)

I think thats all I can think of for now. If you would like to get involved in this interesting activity give me a call at 523-1571 and I'm sure I can find a spot for you.

73 DE Mike VE3LAR

OVMRC AT SUPEREX

Once again this year there was an amateur radio display station at Superex. We were bumped from our old location, as were many others, to make way for the 150th anniversary exhibits on the Rideau Canal. Our new location was in a concession stand in the Government building. The station was managed by Ken Kendall VE3IHX under OARC. Our club volunteered to man the station on August 21 and August 28, the two Saturdays of the Ex. Operators for the station were: Pat VE3KJQ, Tim VE3EWE, Don VE3ATJ, Mike VE3LAR, Lloyd VE3FHC, Bill VE3NPG, Jerry VE3CDS, Phil VE3CUR, George VE3NJN, Roger VE3NPO and Gilles VE3NPI.

The equipment in the station changed as the Ex progressed. The original rig was Ken's SB-104, but this rig wasn't putting out any power and later in the Ex started smoking (a bad habit). Mike VE3LAR was kind enough to loan us his Ten Tec gear for the rest of the day. There was also Ken's 2 meter rig in the station which did work. On the second Saturday Russ VE3FSN loaned us his FT-707. There was an Icom 701 in the station by this time, but there were stories of problems with it from other clubs, so we brought our own rig. There was a triband beam 40 feet up on the roof of the building and a Ringo Ranger.

During our operating sessions we did not make very many contacts. This was mainly due to the acoustic noise from the Saturn midway ride just outside the door. Other clubs were able to make contacts around the world. While I was there on the second Saturday Jerry contacted a station in BC which was set up in a shopping centre, also running a demonstration station. We also contacted VE3JW at the Museum of Science and Technology. Most of our time was spent telling countless people "No, there are no washrooms in this building". There were of course people who asked about our hobby and also several local amateurs stopped by for a visit. Many people read VE3KLX's sign advertising the club's amateur radio course this fall.

There were many different opinions expressed about the display and it's location. There is to be a meeting soon to look at how things went this year and plan for a more visible and informative display for next year. As those of you who worked at the station know, there was a lot of trouble getting tickets and car passes and then getting them to the right people. This problem is being looked into.

I would like to thank the members who helped me on this project and especially Russ and Mike for loaning their rigs.

Pat VE3KJQ

////////////////////////////////////

WHAT'S AHEAD FOR THIS YEAR

First of all, you are going to be stuck with me for another year as the editor of the Rambler. There was not exactly a stampede to take over the job at our annual meeting back in June...I really don't mind because it takes about a year to get into the swing of doing a club bulletin like the RAMBLER. We hope to be able to come up with interesting articles for your reading pleasure. We will no doubt have some controversial articles as well. Our next issue will feature an excellent article from the VE2TD NEWS LETTER on Propagation Predictions.... I'm sure you will enjoy it. In a future issue we will tell you the story of the installation of our new tower and beam.....

o

ELINT-ELECTRONIC INTELLIGENCE by Serge VE3JRG

Radio Amateurs are interested in all aspects of electronic communication. The recent operations in the South Atlantic have shown what radars and computers can do. There is a fascinating chapter called "The Intelligence War" in a Coronet paperback "The Falklands Conflict" written by Christopher Dobson, John Miller and Ronald Payne, \$3.75, published apparently almost immediately after the secession of hostilities from which the information in this article has been taken.

The British needed to know the radar frequencies of Argentina's missiles so that they could be confused by electronic counter-measures. The Argentines needed to know the position of the British ships so that they could estimate when and how an attack could develop. Both the combatants used anything they could to keep posted while the Americans and the Russians also looked down from space, all-seeing, all-hearing, and Moscow and Washington probably knew more about the overall progress of the war than the commanders in the field. The U.S.S.R. put up 8 Cosmos satellites in orbit over the Falklands some able to see through the fog and the cloud and equipped with a nuclear powered radar unit. How much of the information which they got they passed to the Argentines is not publicly known.

The U.S. Blackbirds, successors to the U2 fly at mach 3 at 80,000 feet and what they see is collected by the 12 ton Big Bird satellites one of which is in the northern hemisphere and one in the southern hemisphere. They are able to photograph objects as small as 12 inches in diameter and while the Russian satellites have to parachute their film the Big Bird does it over the Pacific where its capsule is caught in mid air by C130 Hercules transports equipped with "fishing nets", but a newer system still, the KH11, records its photographs in digital form which it can beam to ground stations positioned around the world and that information is converted back into photographic form.

Through arrangements existing before the conflict U.S. intelligence was available to the U.K. and of course electronic eavesdropping was practised continuously in fact just as it was during World War II as described in the recent books about the enigma system.

The task force commander was provided with a flow of information from the men of the Special Boat Service and the Special Air Service who prowled the islands seeking out landing beaches and acquiring detailed knowledge of the Argentine defenses.

American reports say that these teams were given brand new American mobile radios which link into the radio satellite system giving them instant communication, not only with the task force but also with London, thus providing British military and political leaders with immediate news of the developing situation.

The authors of the book point out that there are many different kinds of intelligence which can be made use of, especially in times of war but they point out that intelligence is not an end in itself. It is how it is used that matters. Apart from the paragraphs concerning information, 'ELINT', the book is a very good summary of the situation as it developed from the very start, the landing of the so called scrap merchants on the South Georgia island right up to, but curiously enough not including the final assault on the airfield at Port Stanley. A day by day account of the operations from May 21 to June 5 is included, and it is indeed a gripping story even though the final outcome is known. Recommended reading.  
- the above was transcribed from cassette form by VE3kLX



A FEW WORDS FROM THE EDITOR

Well, here we are again, back into the fall season and a revival of amateur radio activities. All the plans for the summer seemed to have been rather easily shuffled around, with very little of the original plan accomplished. Yes, even the dandelions won - I'll get 'em in the fall - that's the best time. In spite of it all a fair bit has been done by the club to ensure a most interesting year ahead for the OVMRC.

The club will be embarking on their first amateur radio course. This should prove to be most interesting for both the students and the club members who will assist. Believe me there is nothing more satisfying than helping someone get their ticket. During the past couple of years I have had amateurs, that I have met at various functions come up to me and say, "Jerry, you probably don't remember me but I learned C.W. in your basement twenty years ago". It makes you feel good. Remember back to when you were starting and let us all help and encourage our first class of new amateurs.

Didn't do much operating over the summer, just a bit on 40 and a couple of times on 10. It sure was lousy conditions during the early part of July. I recall the second week, around the 12th or 13th when there was a major solar flare which really disrupted the H.F. bands and produced a spectacular display of Aurora. I noticed the very bright Aurora and decided to have a listen on 10. Worked a station in Atlanta and one in the Soo on a three way contact. Typical fluttery signals under auroral conditions. An interesting contact. Still haven't figured out if the Soo leg of the contact was Aurora or Sporadic E. Anyway band conditions seem to be getting better as we move into September.

We look forward to another season of Editing the Rambler and you are encouraged to submit articles for publication. We will continue to exchange our "Rambler" with the publications of other clubs across the country. Many articles from the Rambler are reprinted in other club bulletins and we reprint articles which would appear to be of interest to our club members. Any article in the Rambler may be reprinted. We request that credit be given to the authors and the OVMRC Rambler. Try your hand at it, who knows, you may get cross Canada coverage.

Come out to the regular monthly meetings and get to know your fellow club members. It's going to be a good year!

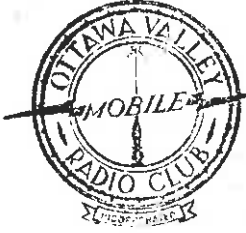
Jerry VE3CDS  
Editor



FROM CRRL NEWS BULLETIN

Doc has published dates for the 1983 amateur radio examinations They are February 9, April 20, June 15, and October 19. The closing dates for applying to DOC will be January 12, March 23, May 18, and September 21. or about one month before the date of each exam. Remaining date for amateur radio examinations in 1982 is October 20. If you plan to write the October exam apply now.....  
Doc has informed CRRL that effective April 1 this year, amateurs who pass any portion of the advanced amateur exam may retain credit for that portion indefinitely. In the past there was a time limit of one year.....

AMATEUR RADIO



OTTAWA, ONTARIO

P.O. BOX 5530  
STA. "F"  
K2C 3M1

**FIRST CLASS MAIL**

James Hamilton, VE3GJY  
2038 Arch St.  
OTTAWA, Ontario.  
K1G 2H1

- ( ) Hamblet subscription only \$6.00
  - ( ) Former member of the Club who has moved away from Ottawa \$6.00
  - ( ) Family Member Licensed dependant of a member \$1.00
  - ( ) Associate Member Interest in mobile amateur radio licence not required \$10.00
  - ( ) MEMBER Licensed Radio Amateur having interest in mobile operation \$10.00
- Please check applicable class of membership; Annual dues

Ottawa Valley Mobile Radio Club Inc  
1982-83 Membership Application

( ) New membership (Renewal) date \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

Home Phone \_\_\_\_\_

Bus Phone \_\_\_\_\_

Postal Code \_\_\_\_\_

Name of Spouse \_\_\_\_\_

Name of Family Member \_\_\_\_\_

I am a member of: CARR( ), ARRL/CRTL( ), RAQI( ), \_\_\_\_\_

Other (Indicate) \_\_\_\_\_