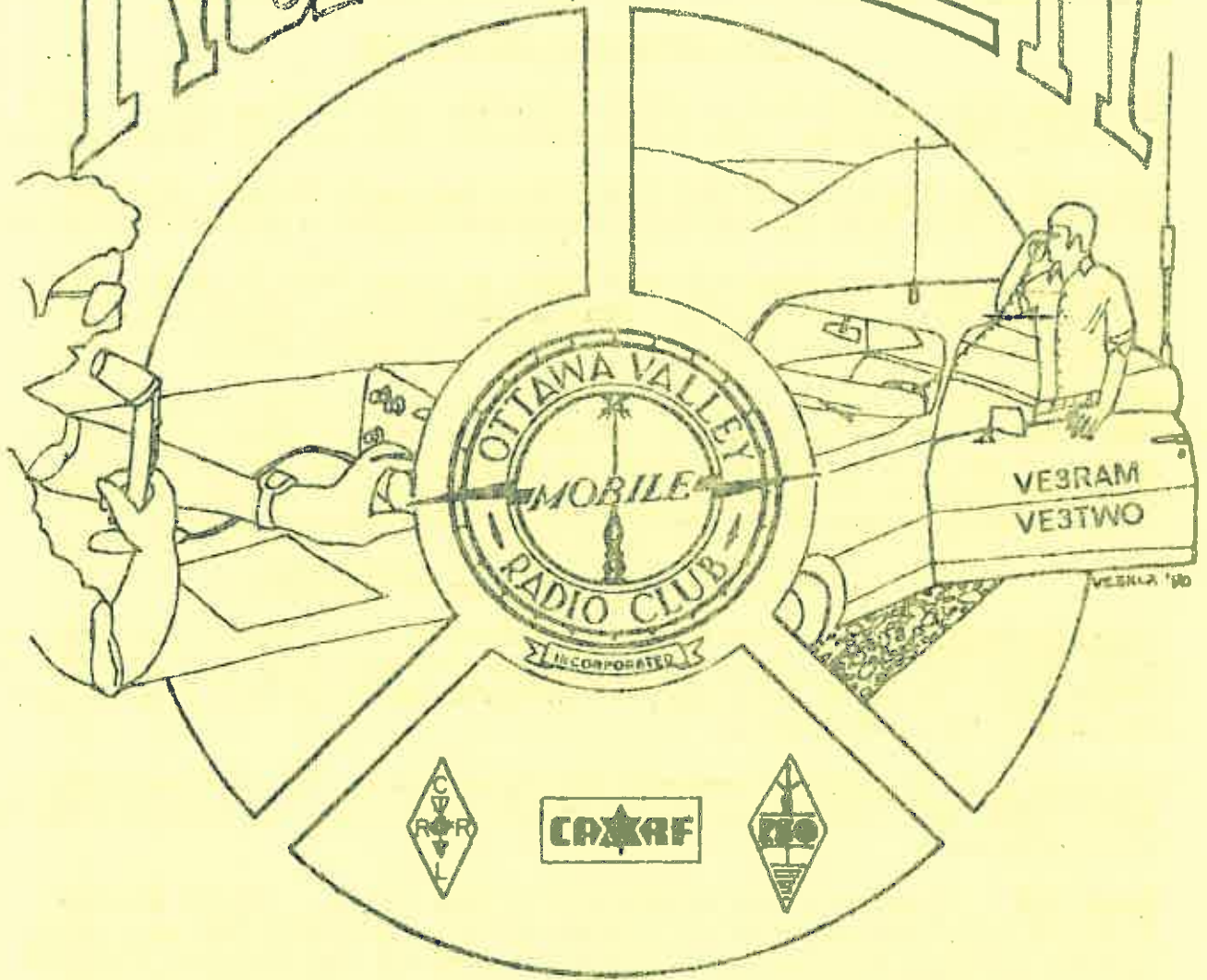


# RÄMBLÄR



JUN JUN 1982

THE OTTAWA VALLEY MOBILE RADIO CLUB INCORPORATED

1981-1982 EXECUTIVE

PRESIDENT	Russ Pastuch	VE3FSN	228-9235
VICE PRESIDENT	Tom Hayes	VE3ABC	822-2811
SECRETARY	Bob Daye	VE3MPB	224-1432
TREASURER	Ralph Thomas	VE3GG	729-9252
TECH ADVISOR	Dave Coutts	VE3KLX	829-2537
PUBLIC REL.	Bucky Merkley	VE3JRR	733-3429
EDITOR	Jerry Wells	VE3CLS	225-7374
PAST PRESIDENT	Ray Perrin	VE3FN	225-8132

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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).

THE PREZ SEZ

As the club year ends, one stops and reflects on the past year. I see a very successful club, that has shown itself to be strong and active. The various club activities and functions have been well attended. The club repeater and Wise Owl Net continue to attract new followers. Many thanks to the support the members have provided and special thanks to my hard working executive.

Don't forget the June general meeting. This is election night and it is vital that you cast your ballot.

This month your prez is keeping it short. The outdoors calls, or rather I can see the lawn beginning to cover my car. So, all the best and see you at the June meeting.

Russ VE3FSN



NOMINATING COMMITTEE REPORT

The countdown is proceeding until mandate '82 at the June elections.

The proposed slate of officers for the 1982-83 season is as follows:

Pres.	Russ	VE3FSN
V. Pres.	Dave	VE3KLX
Treas.	Pat	VE3KJQ
Tech. Adv.	Dave	VE3KMV
Sec'y	Tim	VE3EWE
Pub. Rel.	Mike	VE3LAR
Editor	Jerry	VE3CDS

Nominations from the floor are quite acceptable on election night which is of course the June meeting Thursday June 17, 1982.

Dave VE3KLX  
Nominating Committee Chairman



NOTICE OF MEETING

The next meeting of the Ottawa Valley Mobile radio club will be held at the museum of science and technology at 8.00 pm June 17. The major items of business will be the election of officers for the next year. The proposed slate is as indicated above. Nominations from the floor are in order.

The second important item on the agenda will be an update on our next 25th anniversary event which will take place on the last weekend in June at the field day site. Bring the whole family. We will have facilities for picnics and bar b que and radio equipment set up for those who wish to operate. come out and join the fun...

It's time to renew your membership...Fill in the form at the back of the Rambler

see you at field day

see you at field day

see you at field day

see you at field day

OTTAWA VALLEY MOBILE RADIO CLUB, INC.FINANCIAL STATEMENT FOR THE PERIOD JANUARY 31 TO MAY 25, 1982.

Balance Brought Forward:	Bank Balance:	\$888.97	
	Petty Cash:	<u>14.55</u>	\$903.52
Revenue:	Club Memberships	\$167.00	
	Bank Interest	9.80	
	Auction	<u>548.51</u>	
		\$725.31	
Expenses:	Rambler Postage	\$111.58	
	Rambler Printing	7.42	
	Licence renewals	26.00	
	Auction rental	75.00	
	25th Anniversary party	<u>20.00</u>	
		\$240.00	
Book Balance May 25, 1982:			\$1388.83
Bank Balance May 25, 1982:	\$1374.28		
Petty Cash on hand " "	<u>14.55</u>		\$1388.83

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BUDGET FOR THE PERIOD JUNE 17, 1982 to JUNE 16, 1983

<u>Revenue:</u>		
Club Memberships (\$600.00 - \$139.00 already received)	\$461.00	
Coffee	25.00	
1983 Spring Auction (Net)	500.00	
Bank Interest	<u>25.00</u>	
	\$1011.00	
<u>Expenses:</u>		
Repeater	\$ 50.00	
Rambler Postage	300.00	
Coffee	25.00	
Licences	26.00	
Rambler Printing Costs	100.00	
Insurance	125.00	
Field Day	100.00	
Summer Barbeque	<u>35.00</u>	
	\$761.00	
<u>Surplus:</u>		\$250.00

May 25, 1982

R.D. Thomas, VE3GG,  
Treasurer

LADIES GREAT RIDE FOR CANCER

Our third annual communications event came and went on June 6, 1982.

Once again the crew went all out to ensure that everything rolled smoothly.

The lady's great ride is set up much like metres for millions. All participants get sponsors and then cycle the length of the Parkway both ways. All sponsored money goes to help with cancer research.

On behalf of Mike VE3KMG, I would like to extend my thanks to the following stations:

- Kitchissippi Lookout - Mike VE3LIR
- Island Park Drive - Don VE3ATJ & Helen
- The Mill - Bob VE3KLG
- Bicycle Mobile Sweeps - myself
- Russ VE3FSN

And of course Mike, VE3KMG co-ordinated the whole activity from Lincoln Fields. See you next year. Let's hope it doesn't rain.

Dave VE3KLX

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MINUTES APR 15 MEETING (not printed in last issue)

1. President Russ VE3FSN, opened the meeting at 2000 hrs. and introduced the following guests:

Chris Lucas VE3KLG; Jack Flower; George Citroni VE3GPP; Pete Murphy

MINUTES

It was moved by Don VE3ATJ, seconded by Bob VE3KLA that the minutes of the March General Meeting be adopted as presented in the Rambler.

The secretary, Bob VE3MPB, expressed his appreciation to Tom VE3ABC for recording the meeting proceedings during the winter months.

EXECUTIVE REPORTS

Treasurer - Ralph VE3GG announced that Peter Murphy was now a Club member.

Technical Advisor - Dave VE3KLX advised that the Anemometer Club project was on track and the \$40. fee for parts was now due for those wishing to participate. Dave also advised that the Wise Owl certificates were now ready for mailing except for the addition of the club seal.

President - Members were advised that the nominating committee was looking for volunteers to fill the various positions at the upcoming Annual Election of Officers.

It was noted that Mike VE3KMG was co-ordinating the Ladies' Ride for Cancer, for Sunday - June 6th, and mobile operating stations were required.

Public Relations - absent

Editor - Nil report

Past President - Nil report

CARF Report - Bill VE3NR gave a short presentation on the Canada Award Certificate.

RSO - Merv stated that a 40 meter phone net similar to O.N.T.A.R.S. on 7055 and 7060 was being organized. Merv advised that special event station CZ3SFR will be in operation near Smith Falls on an

island on the Rideau canal as part of the 150th anniversary celebrations, The aim is to QSL as many stations as possible during the period 22 May to June 7 on repeater VE3RLR and all HF bands.

CRRL - Ray advised that copies of CRRL bulletins were available as was the petition against US phone band expansion.

Auction - Ralph VE3GG reviewed the auction plans.

Field Day - Pres. Russ announced that Paul VE3JLP would co-ordinate Field day for the last weekend in June. The site will be north of Metcalfe. A map and details will be in the Rambler.

Rambler - Pres. Russ announced that costs may go up in the fall and club memberships should be renewed ASAP to avoid a possible dues increase.

Wine & Cheese Party - Russ advised that the party went well and a Mexican Food Night was planned for May 8th.

Entertainment - Gerry VE3GK gave a discussion and an audio/Visual presentation of his two meter link controlling his HF rig including antenna rotation band, tuning, etc. He discussed the various methods and techniques used to achieve this control. In concluding his presentation, Gerry addressed the question "Why?" The answer - "Because."

Adjournment - Dave VE3KIX moved, seconded by Mike VE3LAR that the meeting be adjourned. Meeting adjourned at 2200 hrs.

R.E. Daye VE3MPB  
Secretary



MINUTES MAY MEETING

The meeting was called to order by Russ VE3FSN.

The minutes were approved as corrected on a motion by Jerry VE3CDS seconded by Merv VE3CV.

Ralph VE3GG gave a verbal report on the financial status of the club and a report on the auction.

Dave VE3KIX reported on nominating committee activity. A proposed slate of officers will be published in the Rambler.

Wise Owl net certificates were handed out at the meeting.

Dave asked for volunteers for a communications activity at Wendover, Ont. on the weekend of June 12, 13. 12 to 15 people are required for a steeplechase type event.

Merv VE3CV reported that the RSO convention will be held in Waterloo Oct. 1-3 again this year. Merv also reported that the pot hole net would be operating from CZ3SFR in Smith Falls.

Paul, VE3JLP reported on field day preparations, lorsheets have been requested.

Russ VE3FSN reported that the Mexican food party went very well.

Art VE3ZS requested assistance for the electric car rally on June 4th.

Paul reported on the Dayton Hamfest. 26,000 were in attendance. There were forums, exhibits and a flea market consisting of 177 stands occupying an area about the size of the Carlingwood parking lot. There were numerous prizes throughout the Hamfest - a lot of Canadians-.

The existing executive was open to comment from the membership. The general concensus was one of satisfaction with the club executive.

R.E. Daye VE3MPB

POT HOLE NET NCS PROCEDURE  
Operating Hints

1. The Net Control Station (NCS) shall initiate a QSO on 3,760 KHz at least 1; min. before net time to ensure a clear frequency.
2. If your equipment can not be accurately tuned to frequency ask for assistance from stations on net frequency. This should be done prior to net time.
3. Do not tune for off-frequency stations if using a transceiver without receiver incremental tuning (RIT). Ask them to correct their frequency.
4. Mobile stations and out-of-town stations, in that order, shall always take precedence for call in, traffic, and rag chew.
5. Take frequent checks throughout the net for "latecomers".
6. Notify Net Manager (Fern VE3CV) if you are unable to keep schedule as NCS.

The Net Preamble

This is (UR CALL) net control station for the Ottawa Valley Mobile Radio Club Incorporated Pot Hole Net. This net meets each Saturday and Sunday at 10.00 am local time on 3,760 KHz. All stations are welcome to call in to the net, membership in the club is not a requirement.

The purpose of this net is to announce forth-coming activities of the Ottawa Valley Mobile Radio Club, pertinent bulletins, and to provide an opportunity for the members to arrange technical and other activities.

There will now be a roll call followed by the announcements, the swap net (Sunday only), and an informal rag chew. The order of call in is as follows:

- 1 Mobile Stations
- 11 Out-of-Town Stations
- 111 Local Stations

REMEMBER: Mobile and Out-of-Town Stations should be given precedence even if they call in late.

Just before signing the net, take one final standby for further check-ins.

Sign - Off

This is (UR CALL) Net Control Station for the Ottawa Valley Mobile Radio Club Incorporated Pot Hole Net signing the net at ----- hrs (Local or Zulu).

PSE KEEP THIS HANDY

CQ...BICYCLE MOBILE by Dave VE3ALX

This is my second year jamming gears on my way to and from work. Of course I'm not talking about automotive gears I'm talking about "ten speed" gears.

Being a typical ham, my transceiver is close by whenever I'm away from the nerve centre (see note). Riding my ten speed is no exception. With my trusty FT207R by my side, speaker mic and quarter wave antenna I'm all set. By the way, I ride rain or shine. In the event of rain, the rig goes in the back pack.

Riding, talking, listening and watching out for manhole covers are always the order of the day. There are a few small design problems to overcome to go bicycle mobile.

The first is the antenna. It should be as high off the ground as possible. Mine is mounted by the rear hub. A 5/8ths would probably work better here but my quarter wave seems to do the job most of the time.

The second is the control of the rig. When I cycle, my rig is locked on one frequency and the only adjustment possible is volume and squelch. When it rains, the rig is in the back pack and prevents any adjustment whatsoever. VE3F8N and I have thought about trying to mount the rig on the handle bars. This is great, but what about rain protection? I guess not everybody is as determined as I am to beat OC Transpo at their own inefficient game.

The third problem, and this is a biggie, is power for the rig. The FT207R is powered by a ni-cad pack. I have been engaged in at least 2 QSO's where my pack has crumped and all I could hear was an off frequency fuzzy voice saying "What happened Dave....you fall down a manhole?" With a dud battery and no spare, life becomes difficult. (I carry one now, but it takes a few slams against the wall to convince me.) Even with a spare, though, it takes 2 to 5 minutes to make the change. This is due to a stop, removal of back pack, coaxial cable, leather case, deployment of coin to open back cover of rig and then the same procedure again in reverse order.

Picture the scenario which I just mentioned and then picture me trying to muster enough current to tell someone my battery bit the dust. It's very difficult. It has to be one word. I have found that by saying "battery" the idea seems to get conveyed. It works better than saying "dead" which could be misinterpreted as a final breath before going to the big ten speed parking lot in the sky.

I think the major areas which need improvement are in the field of antennas and microphones.

A better antenna such as a 5/8ths would help particularly if it was a bit higher off the ground.

A lightweight boom mic headset with push to talk on the handlebars would help eliminate the one hand maneuvering that sometimes happens.

In the meantime I will continue to be radio active, on the Wise Owl, to and from work until mid August.

So far the bicycle mobile net includes Cliff VE3FZX and myself. There must be others. Cliff also wanted me to mention the important effect that doppler shift has on bicycle mobile stations. Naturally I'm not going to tell you. You'll have to figure it out for yourself. Elect me for vice-president.

See you on the road, from VE3KLX bicycle mobile.  
Note; nerve centre - ('nerv 'senter) a central location for listening as in the case of VE2SD. A central location for listening and talking for those who listen, talk, sleep etc. in the same place because they don't have a mighty fine listening device or a special room to house it.



7  
SPECIAL EVENT STATION CZ3SFR

To commemorate the 150th anniversary of the Rideau Canal which winds it's way through the Rideau Lakes between Ottawa and Kingston, the Smith Falls Radio Club operated special event station CZ3SFR. Quite an undertaking for a club with less than 15 members.

The club operated from the lockmaster's house at the detached lock in Smith Falls from May 22 to June 7.

On Saturday June 5, I along with the xyl took a run to Smith Falls to visit the station. We arrived fairly early about 9 a.m. We parked on the other side of the canal and could see no sign of activity other than several people fishing just west of the lock. We listened on the 2 meter rig and heard CZ3SFR in contact with one of the locals. I gave him a call and asked how to get in the building. I was talking to Jim VE3DJX President of the Smith Falls Club. He came down and welcomed us.

The station was set up in the lockmaster's lunch room on the second floor and it is indeed a well equiped station, all bands 80 through 2. A Collins 75S and 32S, a Kenwood TS120S and an Azden 2000 plus other sundry rigs and accessories.

Jim made coffee for us and gave us a bit of the background of the club which was formed earlier this year. We also learned that Merv VE3CV and Bill VE3YK were coming over at 10 AM to run the Pot hole net from CZ3SFR. Also while there, a reporter from the Citizen turned up to do an article on the station.

The Station has been very successful with many contacts on all bands. The effort required and the time involved heavily taxed the capability of the Smith Falls Hams. Many of the nets operated from CZ3SFR during the operating period both on phone and CW.

The Mobile Club congratulates the Smith Falls Club on their station CZ3SFR and were happy to participate. A public relations activity very well done!

Jerry VE3CDS

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OVARC DESIGNER TEE SHIRTS AND/OR SWEAT SHIRTS

Another opportunity is upon us to purchase OVARC designer Tee/sweat shirts.

The shirts are 50/50 polyester/cotton, Canadian made and are available in small, medium and large plus X large. The tee shirts are short sleeve and the sweat shirts are long sleeve and are of a slightly heavier material than the tees.

The colours for this year will be the same as the last batch. the tees will be sky blue with navy collar and sleeve trim. The OVARC logo will be crested on the front (about 22 cm dia from spark tip to spark tip) On the back will be your call sign and first name ironed on in 2" black flock letters. The call sign and name is optional and up to your own discretion. Some want just the tee shirt without a classified ad on the back. Whichever way you want it is fine however the total cost will be divided up evenly amongst all participants.

If you're interested let me know by the June meeting. I will determine the cost and let everyone know. It's cash before I order so the quicker I get the money the quicker the shirts get screened.

Dave VE3KLX

OVARC liason to Warrendon Sports Ltd.

DON'T FORGET TO RENEW YOUR MEMBERSHIP..... FILL IN THE FORM  
AT THE BACK OF THE RAMBLER.....

## EXTREMELY LOW FREQUENCY (ELF)

ELF (Extremely Low Frequency) radio waves will enable the U.S. Navy to command its submarines far below the surface.

Because ordinary radio waves do not penetrate far into sea water, submarines have to operate near the surface, where they are more vulnerable to detection and attack. ELF radio waves are transmitted at only 76 cycles per second, and can travel hundreds of feet into the ocean before being absorbed. The Navy will use two of the longest radio antennas ever built to transmit signals with a wavelength of 2500 miles, or approximately 4 million meters. (The 4 Megameter band). From twin stations in Wisconsin and Michigan, the ELF signal will boom into Gibraltar and The Aleutians, and be received at slightly reduced signal strength around the world. Because of its low frequency, the system is agonizingly slow in transmitting data. It will require about a quarter hour to send one three-letter message, but ELF would only send a few code letters to summon a submarine nearer the surface for conventional communications. ELF signals have extraordinary carrying power, travelling around the earth in the vast cavity between the surface and the ionosphere. These two boundaries would form a "waveguide" for the signals. Also, ELF's long wavelength would be little disturbed by nuclear bomb blasts.

Building a 2500 mile long antenna is out of the question, so the earth itself will form part of the antenna loop. The antenna cable will be grounded at both ends. When current is sent through the long cable, it will have to find its return path through the underlying bedrock, which will in effect extend the antenna length. The system will consist of 84 miles of above ground antennas, 56 miles to be erected in two 28 mile links crossing each other like a giant plus sign. Because the earth's atmosphere is very noisy at ELF wavelengths (lightning, for example, generates natural ELF SIGNALS), these two antennas will broadcast the same signal simultaneously to boost reception. The antennas are so inefficient that the transmitters must produce millions of watts of power to get an effective radiated power of just six watts.

The message, which is repeated and repeated, is encoded to prevent an enemy from deciphering it, and to reduce the chance that a sub will receive it in a garbled form. The system will be totally operational in 1985.

What will they think of next?

This item taken from January 1982 issue of:

"Discover - The Newsmagazine of Science", published by Time, Inc.  
Bill Post VE3CDT

Reprinted from the London Amateur Radio Club Bulletin

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## REFLECTIONS

With this issue of the Rambler I will have completed my first year as editor.

The following are some of my observations and thoughts on the activity of the mobile club and my involvement as editor. I remember how it all started. Dave, VE3ALA on the wise owl net was offering a challenge to get involved on the club executive... We decided to meet this yung man. we first met, would you believe at a meeting of the Ottawa Amateur Radio Club? Yes, Indeed. Well, That is how it started. It has been a most interesting year. In the beginning, one of apprehension as we (xyl & I) struggled with these

mimeograph stencils, skins is what Russ calls them. Anyway we made it through the first issue with the thought in mind that I had stuck my foot in it again. I must admit that the typing skills of the xyl has made this task relatively easy. It's easy to tell the articles typed by yours truly. This one for example.

You are probably wondering if doing this sort of thing gives one any feeling of satisfaction. Of course it does. It is a real challenge to try and come up with interesting articles for each issue. We are very fortunate in having an executive that will sit down and scratch out an article every issue. We will try to improve as time goes on and give you the type of story that is of interest to all.

My involvement with the club has renewed many old friends and many new ones. I have been quite impressed with the dedication of some of the younger hams and their willingness to get involved. I am sure that at times they look upon the older hams as a bit... what shall I say, a bit square? not necessarily so but perhaps a bit different in their thinking. I enjoy doing the Rambler but I am sure that at times some of our readers do not agree with the content. The Rambler should be the type of publication that gives any member of the club the opportunity to express his or her views on any subject relative to amateur radio. I have been absolutely amazed at how often articles in the Rambler have been reprinted in amateur bulletins across Canada.

I hope that we have met with some measure of success in giving you what you want. Don't hesitate to let me know what you think. I am not easily offended when it comes to this sort of activity. I hope none of our readers are offended as a result of any of our articles.

In conclusion, what do I think of the club? If I didn't like it I wouldn't belong. Getting involved is easier than you think. With an executive that works it is more fun than work. We are looking forward to next year and take this opportunity to wish you all a safe and happy summer. What better way to start it off than to attend the field day activity on the week-end before the July 1 week-end.

See you all at the June meeting....Jerry VE3CDS

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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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CANADA  
K2C 3M1

Editor  
Jerry Wells  
VE3CDS

MAPS WILL BE AVAILABLE AT THE JUNE MEETING FOR DIRECTION TO THE  
FIELD DAY SITE

Ottawa Valley Mobile Radio Club Inc  
1982-83 Membership Application

( ) New membership ( ) Renewal Date \_\_\_\_\_

Name \_\_\_\_\_ Call \_\_\_\_\_

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

\_\_\_\_\_ Postal Code \_\_\_\_\_ Bus Phone \_\_\_\_\_

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

I am a member of: CARF( ), ARRL/CRRL( ), RAQI( ),  
Other (indicate) \_\_\_\_\_

Please check applicable class of membership: Annual Dues

- ( ) MEMBER Licenced Radio Amateur having interest in mobile operation \$10.00
- ( ) Associate Member Interest in mobile amateur radio licence not required \$10.00
- ( ) Family Member Licensed dependant of a member \$1.00
- ( ) Former member of the Club who has moved away from Ottawa \$6.00
- ( ) Rambler subscription only \$6.00

FIRST CLASS MAIL

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