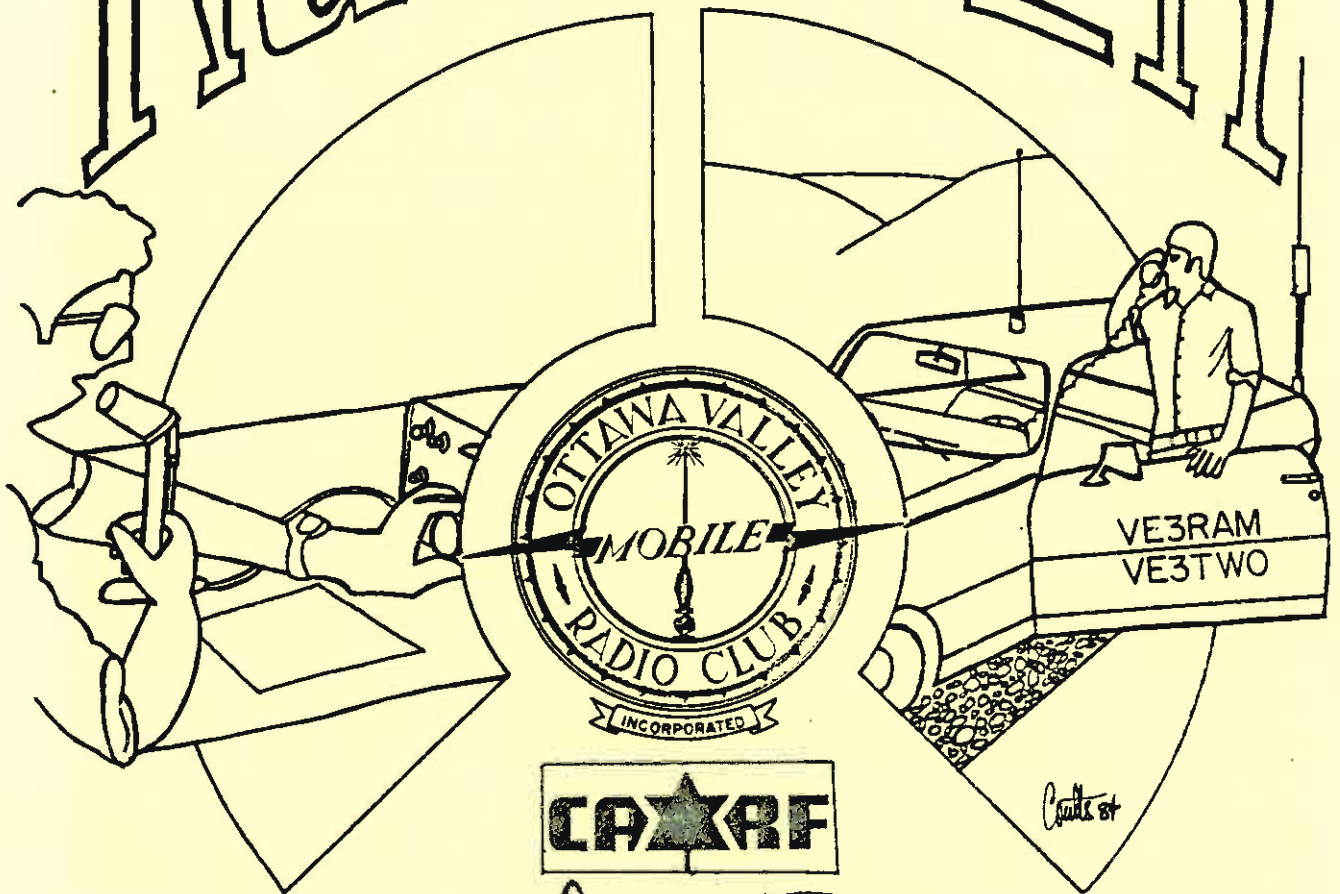
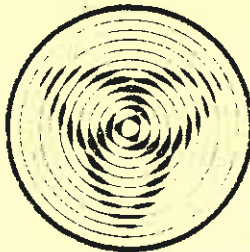


RAMBLER



CA★RF



NEXT MEETING:
MARCH 20

THE OTTAWA VALLEY MOBILE RADIO CLUB INCORPORATED

1985-1986 EXECUTIVE

PRESIDENT	Bob Campbell	VE3 KLK	729-7536
VICE PRESIDENT	Mike Hughson	VE3 DVH	835-3093
SECRETARY	Kathy Rodd	VE3 OWY	722-0255
TECHNICAL ADVISOR	Bob Ballargeon	VE3 MPG	235-0197
PUBLIC RELATIONS	George Dew	VE3 OWW	237-1290
PAST PRESIDENT	Pat Brewer	VE3 KJQ	820-9309
PAST VICE PRES	Vance Johnson	VE3 OAO	824-9555
EDITOR	Jerry Wells	VE3 CDS	225-7374

CLUB SPONSORED ACTIVITIES

POT HOLE NET - OVMRC Net - Every 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 VE3 TWO - 147.30/147.90 MHz.

VE3 JW - 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. VE3 JW operates on all HF Bands, both CW and phone. Slow scan TV is also demonstrated. For information or if you wish to operate the station, contact the Public Relations Coordinator.

LOCAL AMATEUR RADIO ACTIVITIES

POT LID NET - Sponsored by Ed, VE3 GX. 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.

CAPITOL CITY FM NET - Sponsored by the Ottawa Amateur Radio Club Inc. every Monday night at 20:00 Hrs. Conducted on VE2 CRA repeater 146.94/146.34.

SWAP NET - Sponsored and conducted by Ed, VE3 GX each Sunday as a part of the Pot Hole Net and each Monday as a part of the Capitol City FM Net (except July and August). Ed may be reached at 733-1721 for listings and queries.

THE MILITARY NET - Sponsored and conducted by Frank, VE3 MSC, Tuesday at 20:00 hrs on VE3 TWO 147.30/147.90 MHz.

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 OVMRC provides code practice 24 hours a day. Dial 825-0786

RUMBLINGS FROM OLYMPUS

With representatives of other clubs at the last meeting there was some interesting input on the subject of the DOC's proposal to restructure the Amateur Service. Certainly, there were some surprising comments to go along with some well thought-out suggestions. One item that seemed to come out very strongly was, the general feeling that a code component should be retained in the initial entry level certificate. From the input by both amateurs and non-amateurs it became quite clear that the code, in itself, is seen, by many, as a valuable skill, and not, as one might have suspected, a mere stumbling block to acquisition of a license. One "tongue-in-cheek" but nonetheless startling suggestion, proposed that all advanced amateurs be retested at 2-year intervals. This was followed by a dead silence, and some "old-timers" were seen to turn a bit pale. However, none of the "old guys" present had to be revived with smelling salts.

The conclusions reached at the meeting are now in the process of being assembled into a submission to the DOC and all the suggestions made (codified by the Yeas, Nays and Abstentions) will be forwarded to the Department for consideration. It is my feeling that the meeting went well and a fair opportunity was accorded any who wished to express an opinion. It is still advisable, however, for each individual to send in a personal letter listing his/her ideas and reasoning.

The group willing to assist at the "Horse People" cross country tests has grown since last reported and we now have an even dozen committed operators. The more the merrier and I welcome any others that would like to come out. Remember also that the organizers have invited any participating operators and their families to camp over-night and participate in the Saturday night B-B-Q. There is no truth in the rumour, spread by our illustrious but ill-informed EDITOR, that the B-B-Q menu will feature unsuccessful steeds of the first day's competition.

It seems our fame is spreading and we have now received yet another invitation to act as "jump judges" at a pony competition to be held later in the summer. Don't flood me with volunteers for this one until I explain to them, that as judges, we confine our knowledge to the "north" and "south" ends of equine "beesties", provided they are actually in motion.

Bob VE3KJK
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 St Laurent Blvd. The Main topic for the evening will be a talk by Doug VE3KKB on how to set up a contest station. This subject should be of particular to the many new amateurs in the club. Start time for the meeting is 8:00 pm.

The date is March 20...3 days after St Patrick's Day..
all you good irishmen should be sobered up by then...right Bob?

MINUTES OVMRC MEETING 20 FEBRUARY 1986

The President called the meeting to order at 8:09 p.m. Guests were welcomed - VE3 PAP Chuck, VE3 BGX Gib, VE3JDP, VE3GK Gerry, VE3 NVJ Jim, VE3PFZ George and VE3 MSK Bob.

The minutes of the January meeting were approved as presented in the Rambler on a motion by Jim VE3 JPC and seconded by George VE3 OWW.

BUSINESS:

Page 3 of the February Rambler contains a copy of a Resolution relating to interference with the use of radio arising from the susceptibility of consumer electronic equipment. Any comments or suggestions members have, or wish to be added, may be forwarded to Bill VE3 NR or Bob VE3 KLK.

The Pres advised all he had responded to the writers of a Communications Handbook for Ontario, as he had found information on all aspects of communication including GRS but no mention of amateurs in the publication.

The Treasurer Ch8ck, VE3 PDK is organizing a first aid course with 18 spots available at a cost of \$20 to be held in March.

It has been brought to the President's attention there have been no entries in the station log since Jan 19th. The 757 is missing with no details in the maintenance log. He wonders if VE3 JW is becoming to fancy for the average ham to operate.

The President then congratulated both Leo VE3 NVL and Chris VE3 OWE on their recent success in becoming "advanced" amateurs.

Jim VE3 JPC, Field Day Co-ordinator advised he would like to have 4 stations running this year, with one of the stations run by "new" amateurs. The location will again be the museum railway station. He feels it was a lot of fun last year and encourages all to come out again.

Merv VE3 CV would like the Pot Hole Net procedures printed in the Rambler so members will become familiar with them and VOLUNTEER to take the net.....

Ray VE3 FN told us the DOC exams will now cost \$5.00 for each part or a total of \$20.00 to write. Renewal fees for station licences remain at \$20.00, new licencees will pay \$26.00 pro-rated.

Bob VE3 KLK, the President then avised us the speaker for the March general meeting will be Doug VE3 KKB discussing contesting.

The Executive meeting will be held at Bob's VE3 MPG.

The President then proceeded with his opening remarks on the evenings topic of the DOC proposal to restructure the amateur service. A lively discussion followed with ideas being recorded for a counter proposal to follow.

The meeting adjourned at 10:46 p.m.

Kathy VE3 OWY
Secretary

FLEA MARKET APRIL 19

Don't forget to mark the date, April 19. The spring Flea Market will be held at the usual place, Canterbury High School. We have the school booked and we need your participation to make the day a success. Further details will be given at the club meeting.....

THE LEADING EDGE

A new transistor has been demonstrated by the scientists at AT&T Bell Laboratories. The new device can turn on/off in 5.8 picoseconds (trillionths of a second) when operated at liquid nitrogen temperature. To give you some idea of relative speed, this is the time it takes light to travel 1/16 th of an inch.

To get around the problems of running and rerunning cables when interconnecting factory equipment, Motorola Inc.'s Bipolar Analog Division has developed the MC2831 transmitter. This 16 pin chip can handle voice or data signals and place them on a 1 mW carrier, sufficient to reach receivers within a 300 ft radius. The transmitter operates at up to 50 MHz from a 3.9 volt battery and only requires the addition of a few extra parts, including coils, capacitors and a crystal. Keep your eyes open for it, it may make a good start to a 10 or 6 metre transmitter.

After all but being totally supplanted by silicon, germanium may be on it's way back. Cray Research Inc. is about to replace all the silicon rectifiers now used in its supercomputers by germanium devices. The substitution of germanium rectifiers increases the efficiency of the power supplies by 10%. When you are dealing with a machine that has 35 or more supplies, expected to handle a load of 1000 to 2000 A total, an increase of a few percent efficiency can mean a great deal. The savings can amount to almost \$15,000 per year on the electric bill. In addition, tests on the power supplies show them to be more reliable than those using silicon devices.

From IBM Corp's Thomas J. Watson Research Center comes a 32 bit single chip microprocessor that implements most of the instruction set of the System 370 mainframe. It packs 200,000 transistors into a chip that is 10mm x 10mm.

Not to be outdone, NEC Corp has unveiled the V60 micro-processor. This 32 bit chip has 375,000 transistors and can support 4 Gbytes of memory.

As designers pack more and more into IC's, it becomes increasingly more difficult and expensive to test them. However, very large scale integrated circuits (VLSI) are now emerging that are capable of testing themselves. Chips have built-in self-test circuitry that allows them to test themselves both functionally and structurally. With IC's exceeding 20,000 gates, it is now considered mandatory that any design over 5,000 gates will have to incorporate self-test circuitry.

Russ
VE3FSN

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K2C 3M1

FROM CRRL NEWS

CRRL has made a formal submission to DOC, asking DOC to continue the practice of issuing special call sign prefixes to help Canadian amateurs publicize significant events in the life of the country. The submission presents a plan whereby amateurs would assist DOC in issuing the prefixes, keeping DOC involvement - and costs - to a minimum.

South of the border, FCC has released a Report and Order that will allow amateurs in U.S. possessions south of 20 degrees north latitude to operate phone on 7075-7100 kHz. The change, which will go into effect on February 28, will have little effect on non-phone operation outside of the Caribbean. It will give amateurs in U.S. possessions in the Caribbean relief from foreign broadcasters that presently dominate U.S. phone subbands.

DOC has informed CRRL that effective April 1, amateurs applying for a station licence, for the first time only, will have to pay a fee of \$26. That fee will drop to \$20 in the following year - the same fee that remains in effect for amateurs simply renewing their station licences. Something new: Amateurs who require a station licence for only part of a year will not be required to pay a full fee, but can pay on a pro-rated basis. Also effective April 1, candidates for DOC examinations will have to pay a fee of \$5 for each portion of an Amateur Radio examination they try. For example, a candidate for the Amateur certificate, who tries the theory, regulations, Morse code sending and Morse code receiving, will have to pay an examination fee of \$20. (Oh, for the good old days when the fee for the entire examination was 50 cents - and radio inspectors never bothered to collect!)

In CRRL Bulletin 3 we were remiss in not recognizing the substantial work of Ralph Cameron, VE3BBM, in the Jack Ravenscroft, VE3SR, case. Ralph worked with Jack from the beginning, when Jack was trying to help his neighbour solve the interference problem. He was the driving force behind the Jack Ravenscroft Susceptibility Fund which made it possible for Jack to take the case to trial. He assisted Jack's lawyer in preparing a line of questioning that would present Jack's case in the best possible light. He was one of two amateurs (the other was CRRL Director Ray Perrin, VE3EN) who testified on Jack's behalf. For this and more, Ralph deserves a lot of credit. No word yet on the outcome of this important case. The judgement should be handed down by the end of this month.

The Expo 86 Amateur Radio Committee, made up of representatives of British Columbia amateur radio clubs and chaired by Robert Smits, VE7EMD, has announced that there will be an amateur radio exhibit on the main floor of the Canada Pavillion at Expo 86. Theme of the exhibit will be "Communications for Everyone". The exhibit will stress the public service aspects of amateur radio, and will demonstrate the latest in amateur radio technology: OSCAR satellites, amateur television and packet radio. It has taken three years to sell the idea of an amateur radio exhibit to officials at Expo 86. Congratulations to the committee and its chairman on a job well done.

At press time, no word on the outcome of the Jack Ravenscroft case. Jack should soon know if the temporary injunction that prevents him from operating an amateur radio station at his house will be lifted or remain. A further hearing, scheduled for April, would apportion any costs or damages.

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POT HOLE NET PROCEDURE

OPERATING HINTS

1. The NET control station should initiate a QSO on the net frequency AT LEAST 10 minutes before Net Time.
2. DO NOT CHANGE the Tx frequency to accommodate "Off Frequency Stations". Ask them to correct their frequency if you do not have RIT.
3. Make frequent calls for late comers.
4. Notify the NET MANAGER as soon as possible if you are unable to obtain a stand-in when you cannot keep your schedule as NCS.
5. Use the following preamble:-

"THIS IS V E - - -; MY NAME IS - - -; NET CONTROL STATION FOR THE OTTAWA VALLEY MOBILE RADIO CLUB INCORPORATED POT HOLE NET. THIS NET MEETS EVERY SUNDAY MORNING AT 10 A.M. LOCAL TIME ON 3760 KHZ. ALL STATIONS ARE WELCOME TO CALL INTO THE NET - MEMBERSHIP IN THE CLUB IS NOT A REQUIREMENT. THE PURPOSE OF THIS NET IS TO ANNOUNCE FORTHCOMING ACTIVITIES OF THE CLUB, ANY 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, AND AN INFORMAL RAG CHEW. THE ORDER OF CALL-IN IS AS FOLLOWS: MOBILE STATIONS, OUT OF TOWN STATIONS, AND LOCAL FIXED STATIONS. HIS IS V E - - -; NET CONTROL STATION FOR THE POT HOLE NET. IS THERE ANY URGENT OR PRIORITY TRAFFIC. -----" ARE THERE ANY MOBILE STATIONS WISHING TO CHECK-IN -----" ARE THERE ANY OUT OF TOWN STATIONS TO CHECK-IN -----" ARE THERE ANY LOCAL STATIONS TO CHECK-IN -----" ARE THERE ANY ANNOUNCEMENTS FOR THE NET? -----" WE WILL NOW HAVE THE SWAP NET. VE3GX FROM VE3--- ----" WE WILL NOW HAVE THE RAG CHEW (call in the stations in order of check-in).

After the rag chew the NCS should take a final check for any other stations wishing to check-in, if nil, sign the NET.

LIFE, THE UNIVERSE AND EVERYTHING

As I sit down to write this on an absolutely beautiful, at least for Ottawa (or should I say Nepean), March day, I have to reflect on how the last few months have flown. The amateur radio course is over for another year and we've had our graduation dinner. This year we had six graduates on the first go-around. I think this is a fairly good number and I am proud of the new amateurs. In addition, we have had a few former students who have gone on to get their advanced. Good job and well done! For those who missed the first time, and I know of at least two, not to worry. Now that you know what the exam is like it will be a piece-of-cake the next time. By the way, the code phone is still going and will likely carry on at 12 wpm until at least the April writing.

I really must thank the other members of "The Gang of Four", without whose assistance this would never have happened. A tip of the hat to Pat VE3KJQ, Jim VE3AHN and Kathy VE3OWY. I hate to mention it, but if Pat gets his way, we're going to have to start planning for the next course soon.

Ah yes, and then we have the repeater. It looks like the fire we had is really starting to cause severe problems. In the last month, the identifier has been changed three times and only one fault has been located. The identifier that is in there now is the one that had the odd two tone ID. The board that I finally found a problem on, only went bonkers after power had been applied for a few hours. I've written a letter to a company in the states regarding a controller and I think I may recommend we buy it. The present \$***** controller can then be de-commissioned off the Champlain bridge!!!!

By-the-by, I have become a rather busy fellow and am not on the repeater as often as a good club member should be. This means that I do not see faults as soon as they occur. If something comes to light, please let me know, so I can get to it ASAP.

Russ
VE3FSN

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