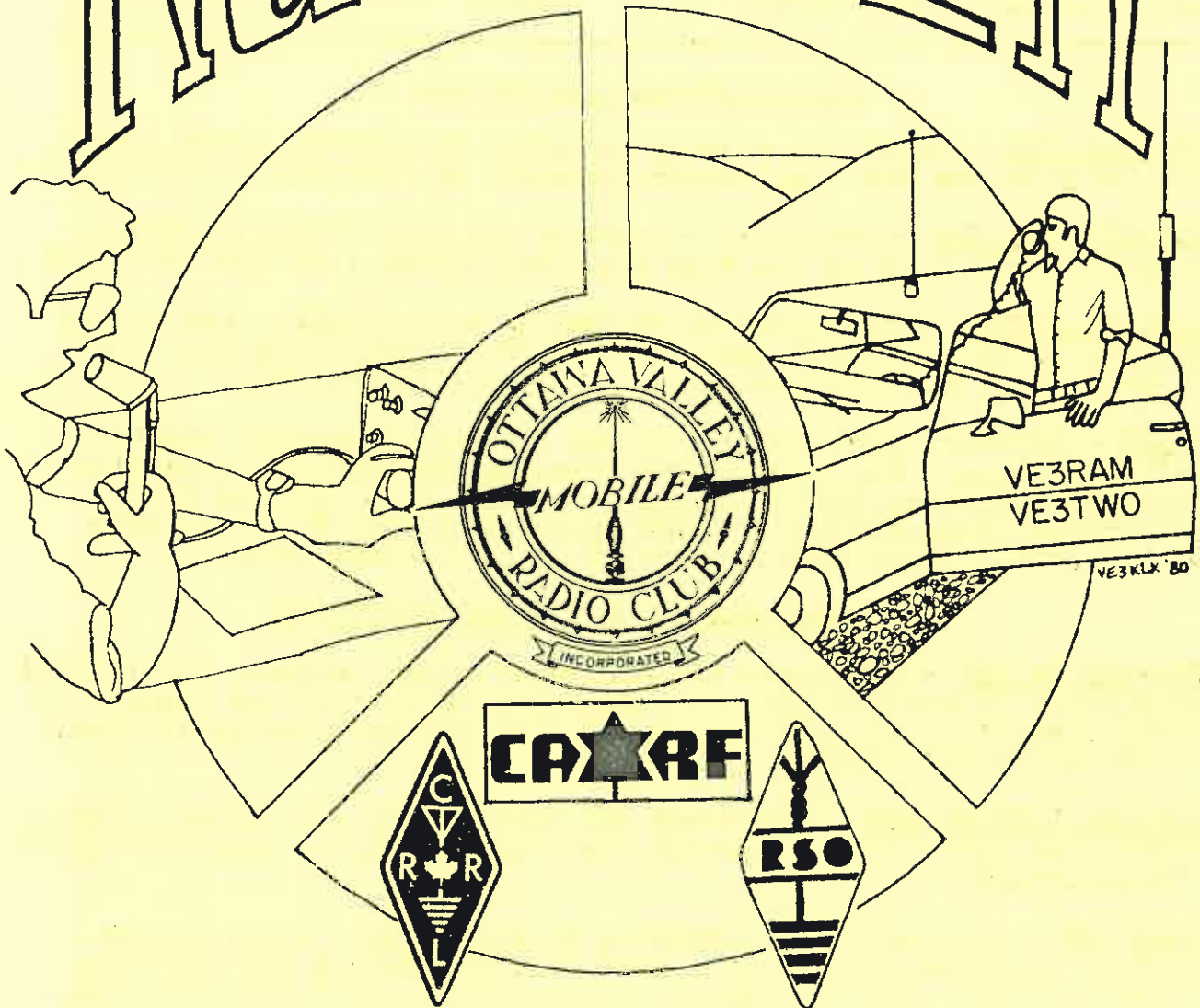


# RÄMBLÄR



NOV 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

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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 PRESIDENT

I would first of all like to thank Larry Thivierge, VE3GT for his talk on NTS (National Traffic System), at the October meeting. This was a most interesting topic and judging by the faces present, there wasn't much traffic being sent that night as the ops were all at the club meeting.

As reported last month, the annual OVMRC banquet is scheduled for Nov. 20 at the Austrian Inn on Richmond Road. The menu was published last month but as people noticed, it had no prices. Prices are in the \$10 or \$12 range and are therefore quite reasonable. The \$2 per person charge has been dropped as they have found that we can be accommodated in the restaurant proper. Once again, I urge all to attend this annual ritual, and especially the students in our course. Please let me know before 13 Nov. so that seating can be arranged, call at 995-2095 or 828-9235.

Results for field day have been posted. The OVMRC scored 48th out of 54 entries. Nuff said!

I'm still looking for JW ops willing to have a few students looking over their shoulder some Sat. or Sun. This will be a great help.

That's it for this month. See you at the November meeting for Norm Rashleigh's VE3DVF talk on VE3CPC.

Russ VE3FSN

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MINUTES OVMRC MEETING 21 OCT 1982INTRODUCTION

President Russ VE3FSN opened the meeting at 2000 hours and introduced the following guests: W.C. Post and Larry Thivierge VE3GT.

MINUTES OF JUNE MEETING:

Dave VE3KLK moved an amendment for the following corrections with reference to the fund raising ride: Russ VE3YOW, Bill VE3NPG, George VE3MJN should read: Russ VE3LOW, Bill VE3NPG, George VE3NJJ. Also Barb VE3ANV should be corrected to Barb VE3AHV. Chuck VE3JDM moved that the amended minutes be adopted, seconded by Mike VE3LAK.

MINUTES OF SEPT MEETING:

Mike VE3LAR moved the following amendment: The club gets a 10% rebate from the membership fees of any new members (to CARF) when they join via the OVMRC. Mike VE3LAR moved that the amended minutes be adopted, seconded by Merv VE3CV.

OLD BUSINESS:

President: Russ VE3FSN reported that a simulated DOC test was given to the students on the amateur radio course; 3 passed out of 17. Some students are not putting much effort into the course. The code class has been divided into two groups; one copying at 10 wpm and the other at 5 wpm. Mentors are being asked to phone their students and see how they are doing and to determine who has dropped out. He also reminded the club about the club dinner on Nov. 20 at the Austrian Inn.

Past President: Nil report.

Vice President: Dave VE3KLX reported that fresh code practice tapes will be available soon. A new circuit will be used.

Technical Advisor: Absent.

Secretary: Nil report.

Public Relations: Mike VE3LAR reported that 4 blueprints and an artist's sketch of the new station (VE3JW) are on display up front. Construction of the new station has started and should be completed in November. He expects the station to be operational by Christmas. Operators are needed! Mike also has application forms for call letter license plates. The cost of \$25 is expected to rise to \$100 very soon.

Treasurer: Pat VE3KJQ reported that the club has a balance of \$2270.10. The highest for some time.

Editor: Jerry VE3CDS reported that he is preparing an article directed to the students on the club's radio course. He suggested that club members could make important contributions to help the would be hams and to make them feel part of the club.

CRRL: Ray VE3FN reported on the mid-west convention which he enjoyed. A General Meeting was held to ratify the constitution.

MSO: Merv VE3CV reported that the location planned for the 1983 convention lacked the necessary facilities; Hamilton is now being considered as an alternate site. The OARC has agreed to sponsor the 1984 convention with the assistance of the other local clubs. A contract with the Skyline Hotel is being arranged. Ontars at 7055 Mhz. is now on from 10 a.m. to 4 p.m. daily and is working well. A report from the Champlain repeater association is that the VE3STP repeater in Renfrew will be linked to the repeater in Bancroft (via UHF) which in turn can link to Toronto and Windsor. Check ins on last Saturday's Pothole net were way up. A new repeater VE3PTR (147.061) in Pettawawa is on the same frequency as VE3RBC and may cause some problems.

CARF: Mike VE3LAR stated that he has application forms for CARF. He has not received any news bulletins so far this fall.

Club Repeater: Mike VE3LAR reported that the interference from the pager is as bad as ever. Caused by actual rf radiation on the repeater's input frequency, filters won't help. Either the offending transmitter must be cleaned up or else we must change frequencies. The latter solution will be inconvenient for hams with crystal rigs, also there aren't any standard repeater pairs left in the Ottawa region. Norm VE3DVF has analyzed the transmitted radiation on a spectrum analyzer and has established that the pager transmitter is dirty! Ray VE3FN asked if anyone will be attending the Repeater Council Meeting on Nov. 6th - no response.

#### NEW BUSINESS:

Bob VE3KLK reported that repeaters are now available on each side of Algonquin Park and they have a 220 link. Coverage overlaps at the museum. He also reported several incidents of jamming of the Comsont net by a U.S. station. Quick response from DOC resulted in locating the approximate location of the offending station. FCC was given the information and the culprit has disappeared. A good example of excellent cooperation from DOC.

Entertainment: An informative and interesting talk on the National Traffic System was given by Larry Thivierge VE3GT. Although supported by ANRL and CRRL this is a subject, as indicated by the questions and discussion, about which many hams are not too

familiar. Larry described the organization of NTS, the services provided to amateurs and the public and how formal traffic is generated and sent through the system. A booklet on NTS is available from Larry.

Next Meeting: To be held on Nov. 18, 1982, at the Museum of Science and Technology, the speaker will be Norm Rashleigh VE3DVF who will describe the computerized 2 meter repeater VE3CP3.

Executive Meeting: To be held on Oct. 28, 1982 at Mike's home (VE3LAR).

Adjournment: Moved by Chuck VE3JDM and seconded by Mike VE3LAR. Meeting was adjourned at 2135 hours.

T.V. Evangelatos VE3EWE  
Secretary

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#### VICE VOICE

I guess the first thing on my mind is the talk that Larry VE3GT gave us at the October meeting. Larry did a great job giving us a bit of an insight into traffic handling. I would also urge you to ask Larry for the traffic handler's kit if you are interested in the finer details of the "business", I know, from my own involvement in traffic handling, that it doesn't matter how much traffic you pass. The big factor is contributing to NTS to help make it work more efficiently.

The only other thing is regarding the OVMRC Amateur Radio Course. I can certainly relate to the student's encounter with the theory. All I can say is that I wish I had a teacher and a mentor to satisfy my questions prior to the time that I wrote my first ticket.

When you finally get to make that all important trip to the "call sign board" you will reflect back and realize that it was all really worth it. An amateur radio license is quite a goal particularly for those without formal electronics education. The natural high you achieve on the big day is one which won't soon be forgotten.

I got such a high from it, in fact, that since getting my Advanced I have decided to make electronics a career.

And besides, as an amateur you too can have your very own OVMRC designer tee shirt, call letter license plates and walk around with a 2 metre rig on your belt (it's called OC Transpo Bus Inspector Look).

See you at the November meeting.

Dave VE3KLX  
Vice President

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P.O. Box 5530, Stn. F  
OTTAWA, ONTARIO  
CANADA  
K2C 3M1

Editor  
Jerry Wells  
VE3CDS

PR PRATTLE

Those of you who saw the drawings for the VE3JW modernization at the last meeting I'm sure were quite impressed to see the amount of work going into the new station layout. I was unable to get a copy of the plans of suitable size for the Rambler unfortunately. So those of you who weren't there missed the show. The last word I got was that the relocation should take place in December!

I'm still in a position to take on a few more operators so if you would like to help out regularly (once a month) or just be on call, let me know and I'll get you on the list and make arrangements to give you the once over down at the station.

I mentioned the amateur course last month and said that I hoped that the mentors would be noted somewhere. In an effort to give recognition where it is do, here they are:-

Jerry Wells	VE3CDS
Stan Navratil	VE3GYP
Les Patterson	VE3KHP
Cliff Moffett	VE3FZX
Chuck Mouritsen	VE3JDM
Rene Beaudry	VE3JKR
Merv Lemke	VE3CV

To all you guys, a great vote of thanks! Further both Fred Noble, VE3BAJ, and Jim Hamilton, VE3GJY, have offered to have the odd student or two over to show their home stations off! Thank you Fred and Jim for your offers, your letter to Russ and myself was posted at the 26 Oct class and perhaps you'll get some visitors. To the students, be sure to give them a call before you drop over; they both live in Elmvale Acres. Any of you west end types like to make the same offer? Let me or any other member of the gang of five know (Russ, Dave, Pat, Tim and me).

Well I'm afraid I left putting this article together 'til very late. Must make up for it next month! See you then.

73 DE  
Mike - VE3LAR

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BANNED COUNTRIES UPDATE FROM DOC

The following countries have notified the International Telecommunication Union that they forbid radiocommunications with amateur stations under their jurisdiction:

Democratic Kampuchea	Viet Nam (Socialist
Iraq (Republic of)	Republic of)
Libya (Socialist People's	Yemen (People's
Libyan Arab Jamahiriya)	Democratic Republic)
Somali Democratic Republic	Zaire (Republic of
Turkey	

The Socialist Republic of the Union of Burma has notified the International Amateur Radio Union that amateur radiocommunications to and from the country are strictly prohibited.

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The following note was received from Wiggy, VE3YE.

I will not be renewing my membership as I am being transferred to Halifax, N.S., moving late in November.

You have a good organization. Keep up the good work. Look for me as a VE1 again.....Wiggy

THE BOTTOM LINE

Last month I really did get "the bottom line", so I am going all out this month and publishing a financial statement for the year so far. As the nature of my work makes it difficult for me to be at the meetings, this is the best way to let you in on our finances. In my past two Rambler articles I have mentioned most of the items in the statement. The banquet advance is a deposit to hold the space at the restaurant for the annual banquet. If you have any questions I will be happy to answer them.

As a result of last month's "red dot" campaign, 13 members renewed their membership. This gives us a total membership of 83. Of this 27 are students in the amateur radio course. If you have not renewed your membership this is your last Rambler. Please check for the "red dot" on your address label. If you have one it is time to renew. My address again is: 1170 Fisher Ave., Apt. 810, Ottawa, Ontario, K1Z 5R7.

Along with several other club members, I was at the recent RSO convention in Waterloo. I must say that I enjoyed it very much. The program was very interesting as was the flea market and the commercial exhibits. Prices were low on some amateur gear. How about a 208R for \$299. I got hooked on the 708R at \$349. Now I will be able to hear what Dave and Russ are talking about during the Wise Owl Net. Now that the convention is over I see that VE Amateur Radio Sales has dropped some of their prices to match these convention prices. By the way there are about six repeaters on 70cm in Toronto. In Ottawa there is only VE3YOW and some early planning for an OARC repeater. If you have never been to the RSO before I would highly recommend that you consider going next year, but watch yourself in the commercial exhibits. Even penny pinchers like me have been known to drop large sums of money in there.

Finally, as those of you at the last meeting know, I tried the Advanced Amateur exam on October 20th. I was disturbed at that time over the difficulty of some of the questions and my chances of passing it. However, against all the odds, I did manage to pass it!

Pat Brewer VE3KJQ

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NOVEMBER MEETING

Our next regular meeting of the Ottawa Valley Mobile Radio Club will be held on November 18 at the Museum of Science and Technology on St Laurent Blvd. Our guest speaker will be Norm Nashleigh VE3DVF. Norm is going to tell us all about VE3CPC the Canadian Police College 2 metre repeater. For those of you that have listened to VE3CPC you are aware of the digi-talker which will tell you all sorts of things-providing you know the access codes. Norm's talk should prove interesting....

Time 2000 Hrs  
November 18

If you have not renewed your membership be sure to do so at the November meeting.

See Pat VE3KJQ.

FINANCIAL STATEMENT OCTOBER 31, 1982

Balance Forward June 17:	Bank Balance	\$1374.28	
	Petty Cash	14.55	\$1388.83
		-----	
REVENUE:			
Club Memberships		\$ 668.00	
Amateur Radio Course		1252.00	
Bank Interest		23.36	
Barbeque		9.25	
Coffee		15.00	
		-----	
		\$1967.61	
EXPENSES:			
Rambler Printing Costs		\$ 308.91	
Rambler Postage		90.00	
Amateur Radio Course		362.58	
Insurance		134.00	
OARC Directories		26.25	
Banquet Advance		50.00	
Post Office Box		16.00	
Club Seal and Stamp		21.40	
		-----	
		\$1009.14	
Book Balance October 31, 1982			\$2347.30
Book Balance October 31, 1982		\$2332.75	
Petty Cash		14.55	\$2347.30
		-----	

Pat Brewer VE3KJQ  
Treasurer

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SIMULATED EMERGENCY TEST

During the weekend of Oct. 16 a simulated emergency test was conducted by amateurs across the country. Several members of the club participated on the NTS traffic nets both as net control stations and check-ins to the nets.

The purpose of the S.E.T. is to have a workable plan of action for emergency preparedness so that when a real need arises we are there and know what to do. This year the volume of traffic was not as heavy as in previous years but a significant amount was handled. The real benefit of the exercise was the opportunity to participate.

Every amateur who considers himself as a potential participant in a real emergency should take the time to participate in these exercises. You may know all about it but if you've never done it you are of limited use in a real situation.

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Be sure to attend the club banquet on November 20th.



PRESENT FEES FOR AMATEUR RADIO ORGANIZATIONSRADIO SOCIETY OF ONTARIO - 1982 Fee Schedule

P.O. Box 246,

Port Credit Postal Stn.

Mississauga, Ont. L5G 4L8

	<u>Regular</u>	<u>Senior Citizen</u>
FULL MEMBER - Holder of radio Certificate 1 yr. or licence. Resident of Ont.	\$15.	\$12.
ASSOCIATE MEMBER - Licensed operators outside Ont. or non licensed persons anywhere. 2 yrs	\$27.	\$21.
Non-voting membership 3 yrs.	\$35.	\$27.
FAMILY MEMBERSHIP - One person qualified for full membership, plus any number of members of the same household. One copy of the Ontario Amateur provided. Fee applicable for each additional person over full member fee - rate per year per person.	\$3.	
LIFE MEMBER - Full membership for life. Must be a VE3.	\$200.	

For further information on the RSO, contact Merv, VE3CV.

CANADIAN AMATEUR RADIO FEDERATION

P.O. Box 356, Kingston, Ont. K7L 4W2

FULL VOTING MEMBER	\$15.00 per year
	\$40.00 for 3 years
	\$65.00 for 5 years
ASSOCIATE MEMBER	\$15.00 per year
(Foreign Call Sign	\$40.00 for 3 years
Holder, and non-	\$65.00 for 5 years
licensed supporters)	
FAMILY MEMBERSHIP	\$ 1.00 for each year extra per person
	\$15.00 for LIFE
LIFE MEMBERSHIP	\$225.00
(full or Associate)	

For further information contact Mike VE3LAR

CANADIAN RADIO RELAY LEAGUE

Box 7009, Stn "E", London Ont. N5Y 4J9

Basic Membership, including "QST" magazine \$36.00  
Canadian funds to the above address

If dealing with the A.R.R.L. rate is \$30.00 U.S. funds

If over 65 years, rate is \$25.00 U.S. funds

For further information contact Ray VE3FN

QUARTER CENTURY WIRELESS ASSOCIATION INC.

1409 Cooper Dr., Irving, Texas, U.S.A. 75061.

INITIAL MEMBERSHIP - \$3.00 plus \$9.00 for 1 year U.S. Funds

2 yrs. - \$15.00 U.S. Funds

3 yrs. - \$19.00 U.S. Funds

LIFE MEMBERSHIP - \$75.00 plus \$3.00 Entry Fee U.S. Funds

NATIONAL CAPITAL CHAPTER Q.C.W.A.

You must first be a member of Q.C.W.A. INC. \$4.00 per year

Secretary/Treasurer is Carl Everson VE3BYX - 826-2426

For further information on the QCWA contact Carl VE3BYX

Thanks to the Scarborough Amateur Radio Club Inc. for the above info.

THE STUDENTS CORNER

Here we are again! How are all our budding amateurs making out on the radio course? No doubt learning a lot of new stuff, some of which must seem to be quite confusing. PN junctions, volence bands, NPN, PNP, bias levels what next? Transistor applications of course, not much more of the basics and you will be able to understand how all of the things you have learned to date will enable you to understand radio. Your knowledge of resistance, capacitance, Frequency, inductance, Voltage, Current reactance etc. combined with solid state devices (transistors) will soon begin to make sense to you. Keep reviewing the fundamentals! The mystery will fade as you go on.

Last week I dropped in to see how things were going. Sure, there is difficulty in some aspects of semi-conductor theory. Ask your mentor for help if you are really stuck. (I was impressed with the progress on C.W. That's really the hardest part.) Going back a few years when transistors first appeared - around 1949 - imagine the difficulty of trying to understand how they worked when all our previous knowledge was based on vacuum tube theory. Talking about vacuum tubes - which will soon be delved into, yes they are still used, we will bring along our home-built 1950 vintage all band transmitter for your perusal sometime in November.

Keep up the effort. It'll be worth it on Feb. 9.

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THE GOLDEN AGE OF TECHNOLOGY

Sitting here this evening listening to the XYL type up the November issue of the Rambler my thoughts have wandered back to my first experience with radio. I think it was 1933 or 34, I was quite young but I do remember the day we were going to get a radio at home. My uncle brought it over in his car - boy he sure was a big shot with that car! - that's another story. Anyway, we were all quite excited when he came down the street shortly after supper. The radio was on the back seat and the huge speaker - it must have been eighteen inches in diameter - was on the front seat. The radio was carefully taken out of the car, taken into the front room and placed gently on top of the piano. The speaker was placed on top of the radio. What an impressive looking device!

We were all warned not to touch the radio and to stay out of the way while it was being hooked up. All most awe inspiring. The aerial had been put up some time before and I can remember waiting with great anticipation for our very own radio to burst forth with its magic sound. We spent many evenings tuning the dial trying to get distant stations. WLW will bring back memories to a lot of people.

I learned in later years that our first radio was an RCA TRF set. The beginning of the golden age of radio. My older brothers soon became involved in building crystal sets - I was told to keep out of the way. I just couldn't figure out why they were so anxious to empty the salt box so they could wind wire around it. Just don't tell mother where all the salt went is all I was told. Those crystal sets were absolute magic.

As I look around home to-day it is almost inconceivable that so much has changed in such a short time. From where I sit I am virtually surrounded by electronic marvels. A colour T.V., a stereo system and a micro-processor computer not to mention the electric typewriter in the background.

Earlier this evening while waiting for the XYL to finish a page for the "Rambler" I checked into the Ontario Phone net on the 80 metre band with my all band solid-state - (except for the finals) rig. No problem at all! What a change in technology from the RCA TRF set.

Oh yes, were eventually built crystal sets and one tube radios just like I had seen my brothers do. They were real achievements at the time. To-day we take all these marvelous electronic devices as a part of every day living. The jargon to-day of bits and bytes, RAMS and ROMS - ad infinitum points to another tremendous advance over the next few decades. I guess I'm just going to have to sit down and find out how this microprocessor thing works. There is no end to the challenge.

How very fortunate we are to live in a world of such technological change and how fortunate indeed to be a part of amateur radio which has always been in the forefront of development in communications.

See you on the bands.

Jerry VE3CDS

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FROM CARF NEWS SERVICE

The Italian government has formalized the acceptance of a reciprocal operating agreement, effective November 15. It only remains for DOC to announce that it is legal for Canadians.

Amateur radio's space program will take another step forward this coming February when Oscar 9 is scheduled to be put into an elliptical orbit. It will go piggy-back on another in the series of the European Space Agency's Ariane rockets. Because of its elliptical orbit this Oscar bird will cover the northern hemisphere for a long time period on each pass. Contacts between such places as Alert, Tokyo, Madrid and Washington should be possible, according to AMSAT official John Henry, VE2VQ.

U.S. Amateurs were quick to crowd on to the little slice of thirty metres allocated to Amateurs when the FCC okayed 10.1 to 10.15 megs on October 29th. They are limited to 250 watts DC input and to CW. Canadians have had access to thirty metres for some months. Amateur certificate holders are limited to CW and Advanced Amateurs are allowed CW and teletype.

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FROM CRRL NEWS

Recently, an amateur in British Columbia attempted to import a linear amplifier into Canada and was told by customs officials that amateur equipment had to be DOC type-approved before being admitted. This was not correct. Amateurs who experience similar problems in the future should refer customs officials to Revenue Canada Customs and Excise Memorandum D19-4-2 dated July 1, 1982. Section 8 of this memorandum states: "Amateur radio equipment does not require type-approval from DOC to be operated in Canada..." CRRL has sent a letter to the customs officials in British Columbia, referring them to this memorandum, and a letter to customs officials in Ottawa, asking for their assistance so similar problems will not occur again.

THE OARC FALL AUCTION

As has been the practice the last few years in the Ottawa area we have a spring and a fall auction. In the spring the Ottawa Valley Mobile Radio Club runs an auction and in the fall the Ottawa Amateur Radio Club runs an auction.

To-day, while we are putting the "Rambler" together it just happens to be auction day under the auspices of the OARC. We just had to pop over and see what was going on.

There was an excellent turn out as there always is at Ottawa auctions. Quite a few of our VE2 friends from Montreal were in evidence by their call sign car plates. The weather was beautiful!

The flea market, in the morning was well occupied with lots of good items for sale cheap. Seemed to be lots of bargaining going on.

Both of our national organizations, CARF and CRRL were present with booths set up and doing a land office business in publications, memberships etc. Larry, VE3GT SCM Ontario came down from Renfrew for the day to assist in the CRRL booth. He sold out on log books and had a good run on Handbooks, study guides etc. Doug VE3CDC was also busy in the CARF booth with publications, memberships, name pins etc. In addition, there were some commercial exhibits as well. With the flea market in the morning and lots of eye-ball QSO's the auction got underway at noon. Merv VE3CV started it off with his usual style and the bidding was quick to get underway. Looked like some good bargains up for bid.

Sydney VE3GVI once again has done a fine job of organizing an annual event in the Ottawa scene. Well done! Sydney.

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ANTENNA INFO Thanks to "Sky Hook" bulletin of the Skywide ARC and The "FEEDLINE" Niagara Peninsula ARC Inc.

From an article from Sinclair Radio Lab's E.R.P. of March, 1980, I am selecting a few quotations. The first has to do with how to mount a vertically polarized Yagi on a tower etc.

When installing a Yagi antenna that is supported in the centre, the support pipe should NOT be in the same plane as the elements. For example, if the support mast is inserted through the elements and fastened to the boom with the boom-to-mast clamp in this manner, the forward gain will be reduced by half. Installing the pipe through the elements to equal or exceed their height can further distort the radiation pattern to the point where a vertically polarized Yagi may have more gain off the sides than forward. Don't sidemount any vertically polarized antenna within the "cone" of the guy wires without ensuring that the antenna is no closer than a wavelength from the closest guy wire. The guy wires should also be broken up at appropriate intervals with strain insulators to preclude interaction. (I'll reword Sinclair's next point): If an omnidirectional antenna is mounted on any tower, be it self supporting or guyed, you can expect that the tower (and guys) will distort the pattern.

Exposed dipole type antennas should not be installed on top of towers with the bottom of the lowest dipole closer than one half wavelength to the top of the tower or supporting structure.

Don't install any antenna on top of any tower, mast, or high structure without ensuring that adequate lightning protection has been provided by appropriate grounding either via the grounded structure itself or by an adequate grounding of the antenna.

When installing coaxial transmission lines and interconnecting cables always check to ensure that the insides of the mating connectors themselves are compatible with each other. -- end of quote.

Many amateurs think that vertically polarizing a Yagi can be done by using plastic pipe or some dowelling or wood of some kind for the top part of their vertical mast. The trouble with this is that the coax then has to come vertically through the plane of the Yagi elements and the beam simply won't work right. So, SIDEMOUNT THOSE YAGIS ON A HORIZONTAL SUPPORT WHICH IS LONG ENOUGH TO GET YOUR YAGI AT LEAST A HALF WAVELENGTH from your metal mast tower or pipe or whatever, then your coax from your Yagi away at right angles to the elements for at least a half wavelength.

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MORE FROM D.O.C.

Canada has concluded agreements or arrangements with the following countries to permit licensed amateur radio operators to operate radio stations while temporarily in the other country:

Australia	Jamaica
Austria	Luxembourg
Barbados	Malta (Republic of)
Belgium	Netherlands (Kingdom
Bermuda	of the)
Botswana (Republic of)	New Zealand
Brazil (Federative	Nicaragua
Republic of)	Norway
Chile	Panama (Republic of)
Colombia (Republic of)	Peru
Costa Rica	Philippines (Republic
Denmark	of the)
Dominica	Poland (People's
Dominican Republic	Republic of)
Ecuador	Portugal
Finland	S. Lucie
France	Senegal (Republic of the)
Germany (Federal	Sweden
Republic of)	Switzerland
Greece	(Confederation of)
Guatemala (Republic of)	United Kingdom of Great
Haiti (Republic of)	Britain and
Honduras (Republic of)	Northern Ireland
Iceland	United States of America
India (Republic of)	Uruguay (Oriental
Indonesia (Republic of)	Republic of)
Ireland	Venezuela (Republic of)
Israel (State of)	

Negotiations have commenced for the establishment of similar agreements or arrangements with Cuba, Italy, Japan and the Republic of Bolivia.

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From "THE FEEDLINE"  
 Bulletin of The Niagara Peninsula Radio Club  
 DANGEROUS CRIMINAL AT LARGE IN THIS AREA.

Please help us find him!

A reward of Five Hundred Microfarads is offered for information leading to the arrest of Hopalong Capacity. This unrectified criminal escaped from a Weston primary cell where he had been clapped in ions. He is charged with the murder of his Ant Enna and Uncle Con Denser, as well as with the induction of an 18-turn coil called Milli Henry, who was found choked and robbed of valuable joules. He is also charged with the theft of a rich Heaviside layer cake from a Mrs Dipole.

On top of all these charges he is being sought for driving a DC motor over a Wheatstone bridge and refusing to let the band pass. If encountered he may offer series resistance.

The Electro Magnetic Force spent the night searching for him in a magnetic field where he was reported to have gone to ground. They had no success and now believe he has returned ohm via a short circuit. He was last seen with his friend Eddy Current riding a kilocycle. Eddy was playing a harmonic.

Charges against Hopalong Capacity are being pursued under Ohms Law -  
 Mark VE3KK

James Hamilton, VE3GJY  
 2038 Arch St.  
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