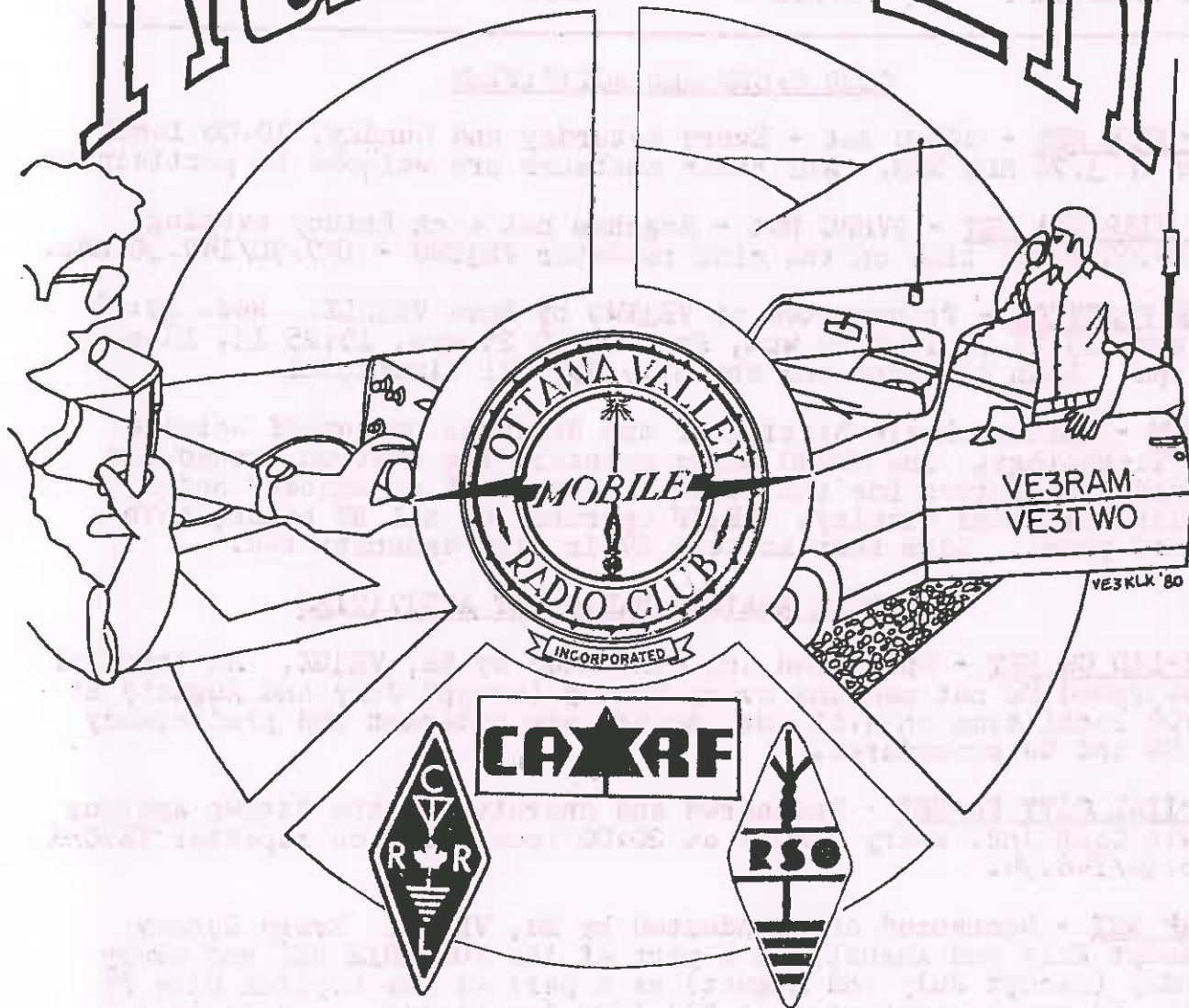


# RAMBLER



OCT 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).

VCL 25 No. 8

THE PRESS SERVICE

As I prepare to write this article, the sun is shining brightly and thoughts of autumn are the farthest things from my mind. By the time this reaches you we may find ourselves under two feet of snow, however. Time is fast running out on those antenna and tower repairs, so get going on them now.

Autumn is also the time for the annual OVMRC club banquet. This year the banquet is being held at the Austrian Inn, 278 Richmond Road. It is well known for its fine German cuisine and as you can see by the menu, elsewhere in this issue, not very expensive.. The entertainment will consist of an excellent accordian player, thus providing music for dancing or for beer sipping. So if you're interested in attending; let me know prior to 13 November 1982 at 323-9235. Cost is \$2.00 per person to pay for the entertainment, location the Austrian Inn and the date 20 November - 2000 hrs. Make every attempt to attend as a good time is always had by all, and this especially applies to our students. This is a great opportunity to meet others over a pint of beer.

Speaking of German food, the annual RSO convention took place in Waterloo 1-3 October. Once again a contingent of OVMRC members descended on the Waterloo Motor Inn. In general, the convention went off without a hitch and no major problems were experienced. Minor problems were such things as too much good food, too many bargains from the commercial exhibitors and not enough time to see all the forums. It was amazing to see the different types of hams at the convention. It certainly proved that we all come from different walks of life and in many cases, only share a common love of amateur radio. To those who didn't attend, you missed a fantastic gathering. To those who plan on attending next year, you'll have me for company, that is for certain.

I mentioned at the first course meeting that possibly JW ops wouldn't mind having a student or two behind the counter. This will give the upcoming hams some practical experience in station operation. If you're willing to have them on your day, let me know at the general meeting. It will be appreciated.

That's it for this month, see you at the general meeting 21 Oct.

Russ VE3FSN

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OCTOBER MEETING

The next regular meeting of the Ottawa Valley Mobile Radio Club will be held in the auditorium of the museum of science and Technology on St. Laurent Blvd. at 2000 hrs. Oct 21.

GUEST SPEAKER: Larry Thivierge VE3GT,  
Section Communication Manager (CRRL)

Larry is going to give us a short talk on the function of the national traffic system. Here is your opportunity to hear first-hand how the amateur traffic nets operate. Should be interesting for those of us that have not been involved in traffic handling. Larry, who has been SCM for Ontario since 1976 can talk from experience as he is active on both phone and CW nets. Be sure and attend, it will be interesting.....see you there.

VICE VOICE

Well we're off and running. I'm just getting settled in at Algonquin for another season of frustration.

The course seems to have taken shape based on attendance for the first class. The gang of five have a lot of work ahead of them though.

As this article goes to press I'm still awaiting the arrival of my ASCII keyboard which is the last item I need to make my 48k computer sing. I've been harping about how nice it will be when the code practice can be fresh each week for quite a while. I've also been kicking around an idea to change the code practice format. Further details are forthcoming along with the future plans to air Ottawa's first ever TWO Code Practice Qualifying Run.

I still have two OVMRC designer tee shirts/sweatshirts left. The tee belongs to Dave VE3JLV who still owes me \$9.21 and Bud VE3ET owes me \$15.71 for his sweatshirt. I'm not in a big rush for payment, but I would like to get the shirts out of the Nepean Communications Centre. If either of these gentlemen are planning to show up at the October meeting then that should solve the problem. If not, they are urged to make other arrangements with me.

See you at the October meeting.

Dave VE3KLX  
Vice President

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MINUTES JUNE 82 OVMRCIntroduction

The Jun 82 General Meeting was convened at 2000 hours in the Museum of Science and Technology. Thirty members were in attendance. President Russ VE3FSN opened the meeting and welcomed members and guests in attendance.

Old Business/Report

President Russ noted that the minutes of the Apr. and May General Meetings were included in the Jun Rambler. Merv VE3CV moved on amendment to the Apr minutes to correct a call sign - motion carried. Moved by Bucky VE3JRR seconded by Dave VE3KLX that the May minutes be adopted - motion carried. Secretary - Bob VE3MPB thanked Jerry VE3CDS for recording the minutes of the May meeting during the secretary's absence. Tech Advisor - Dave VE3KLX advised that \$1,000 was raised for handicapped children in the "horse people" fund raising ride. Dave thanked the following for their contribution: VE3CDS, Mike VE3LAR, Russ VE3YOW (VE3FSN), Stan VE3GYF, Dave VE3KMV, Bill VE3MPG, Jim VE3JPC, Mike VE3DVH, Mike VE3KMG, Bob VE3KLLK, George VE3MJN. Treasurer - absent - financial details are in the Jun Rambler.

Public Relations - Nil Report

RSO report - Merv VE3CV stated that the 40 meter (7055 khz) Ontario net was seeking weekend controllers. Also a recent article in the "Citizen" included contribution of amateur radio in a write up of the Rideau Canal anniversary celebration activities.

Merv again asked for volunteers to serve as controllers for the Pot Hole net.

Data on upcoming RSO Convention is available from Merv VE3CV.

President Russ suggested organizing a Convoy of those planning on attending the RSO Convention. CARF report - Art VE3ZS announced that all interested amateurs are welcome to the CARF annual meeting at Rideau Ferry.

Presidents report - Russ VE3FSN stated that EMO HQ on Richmond Rd has space available for Club use in conducting the planned course in amateur radio.

Russ reminded members of the continuing Club anniversary celebrations including the family day/field day outing 26-27 Jun.  
New Business

Budget as per Jun Rambler - Mike VE3LAR cautioned that Rambler costs could be higher than that reflected by the budget. Moved by Lloyd VE3FHC seconded by Mike VE3LAR that the budget as presented in the Rambler be accepted. Motion carried.

There was a general discussion regarding possible license fee increases and support by governments to emergency organizations utilizing amateur radio as a prime communication facility this support in the form of portable equipment and supplies.

Election of officers - Dave VE3KLX Chairman of the nominating Committee presented the Committee's list of candidates and invited further nominations from the floor. There being no further nominations was moved by Lloyd VE3FHC seconded by Chuck VE3JDM that the following members selected by the Committee be elected:

President	Russ	VE3FSN
Vice President	Dave	VE3KLX
Treasurer	Pat	VE3KJQ
Tech Advisor	Dave	VE3KIV
Secretary	Tim	VE3EWE
Public Relations	Mike	VE3LAR
Editor	Jerry	VE3CDS

President Russ VE3FSN thanked the outgoing executive and welcomed the new officers.

Dave VE3KLX stated that he was taking orders for Club T shirts and would discuss crests with anyone interested.

Barb VE3ANV asked if there would still be a Bar-B-Q later in the summer. President Russ replied that there would be one probably in August.

President Russ advised we are still seeking assistance for Tuesday evenings 7-10 pm for the Amateur Radio Course this fall.

President Russ announced the next executive meeting would be at his QTH Thursday 25 Jun 7:30 pm.

Adjournment - moved by Lloyd VE3FHC seconded by Mike VE3DVH that the meeting be adjourned. - carried.

Meeting adjourned at 2120 hrs.

R.E. Daye  
Secretary

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## MINUTES SEPT OVMRC

### Introduction:

President Russ VE3FSN opened the meeting at 2000 hours and introduced the following guest: VELBJK Ed Maclauchin from Halifax. He also introduced two new members, Ken Keeley and Vance Johnson, who are taking the OVMRC Amateur Radio Course.

### Minutes of June Meeting:

To be published in the next issue of the Rambler.

### Old Business

President - Russ VE3FSN reported on the enjoyable time members and families had at the club barbeque.

Past President - Nil report.

Vice President - Dave VE3KIX advised that VE3ET and VE3JLV should arrange to pick up their T-shirts. Dave also thanked Jerry VE3CDS for running the Wise Owl Net on two occasions this summer.

Technical Advisor - Dave VE3KMY reported that this year's shinerama is cancelled due to the declining participation.

Secretary - Nil report.

Public Relations - Mike VE3LAR described his article on field day which will be published in the November issue of "TCA". He also reported on the latest plans for VE3JW

Treasurer - absent.

CRRL - Ray VE3FN reported on the mid-west convention held in Saskatoon, 400 people attended from all call areas in Canada. A board of directors meeting was held at the same time and voted on the proposed changes to the constitution. Ray has a copy of the letter from FCC in response to the CRRL petition.

RSO - Merv VE3CV reported that due to the difficulty of getting net managers, the 40 meter (7055) Ontars net will operate only on weekends. He reminded that the RSO convention is only two weeks away.

CARF - Mike VE3LAR is the club contact for CARF. New members can get a 15% discount if they apply through the club.

#### New Business

President Russ VE3FSN reported that course registration went well. Twenty students are registered and six names are on the waiting list.

For expenses not covered by the budget, that were incurred by Mike VE3LAR, for the overhaul of the printer and for paper, ink, etc., Mike VE3EWE proposed a motion to allow the club to spend up to \$350 to repay Mike. Seconded by Don VE3ATJ, the motion was carried.

The club's Annual Banquet is set for Nov. 20 at the Austrian Inn. Twelve of the members present indicated they would attend with their escort.

Merv VE3CV raised the question that since there are so few check-ins on the Saturday Pot-Hole Net, perhaps it should be discontinued. This may require a change in the constitution. A motion to cancel the Saturday net will be raised at a future meeting.

Auction: Sidney VE3GVI said that the annual OARC auction will be held on Oct. 30, 1982 at the Canterbury High School. Volunteers are needed to help out. Sidney also reported that the OARC are considering hosting the 1984 RSO Convention if people can be found to do the work. President Russ indicated that the OVMRC would assist.

Entertainment: Ken VE3IHX provided a very interesting talk on amateur radio activity in the Emergency Measures Organization. Currently 80 local hams are registered with EMO but Ken claims they need 200. Amateurs registered with EMO receive an I.D. card which is required to enter any emergency site. A simulated emergency is planned for October which will be watched carefully by the authorities. Plans are underfoot to try and get a self-contained communications trailer with an estimated cost of \$60,000.

Next Meeting: To be held on Oct. 21, 1982. Entertainment by Larry Thivierge VE3GT who will talk about the National traffic System.

Executive Meeting: To be held on Sept. 23, 1982 at VE3EWE's home.

Adjournment: Moved by Dave VE3KLX and seconded by Sidney VE3GVI. Meeting was adjourned at 2130 hours.

Tim VE3EWE  
Secretary

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### THE STUDENTS CORNER

With the undertaking of a course for budding radio amateurs it is very much in order to recognize these new club members. I have decided to devote a monthly article which I hope will provide some motivation and perhaps some knowledge of the fascinating world of amateur radio.

During the first couple of course lectures it has been interesting to observe the reaction of all of you as you try to absorb the technical info and CW which is being given to you. There is no question that in the beginning many of you feel that you will never learn it all. Be assured that every one that is a licensed Amateur has had the same thoughts when they were working on their licence.

The idea of having a mentor on whom you may call should be used. In many cases a slightly different approach or explanation of a problem is all that's needed to grasp a concept. The one thing to really think about is success, it's not that difficult.

In addition to the study guide which has been provided to you, it is a good idea to get one or two of the many publications available on basic radio. The Radio Amateurs Handbook is a good choice for any new amateur - need some guidance - ask your mentor.

Some of you may be fortunate enough to have receiving equipment for the two meter band. If you do, be sure to listen to the code practice on the club repeater VE3TWO every Wed. and Friday - the schedule is detailed on the inside front cover of the Rambler. For those of you who may have HF receiving equipment, tune in W1AW on the 80 meter band at 3.58 MHz at 10 pm local time. Slow speeds are transmitted on Tuesday, Thursday, Saturday and Sunday. Speeds are 5 - 7½ - 10 - 13-15 w.p.m. If you want more details just ask your mentor.

One thing not to forget is the regulations. The book which you have is all you need. Much of the content is just common sense - it's interesting and easy to learn. Read it several times.

During the next few months you have to live amateur radio. Riding the bus to work - read everything in C.W. - street signs - advertising - everything. Talk radio at every opportunity - ask questions of anyone you know that has any knowledge of radio. You'll surprise yourself with what you learn.

In future issues of the Rambler we'll try and answer some of your questions about amateur radio. Tell me at the course what you'd like to read about in this article. We'll do our best to help you.

Jerry VE3CDS  
Editor

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Have you renewed your membership in the club? If not take a few minutes now and fill in the registration form on the back page of the Rambler. Bring it to the meeting, Pat, our treasurer will be pleased to take your membership.



PR PRATTLE

Well here we go again! Last time I wrote here I discussed the Museum of Technology Station VE3JW and gave you all the names of the fine operators. Well since then, I have seen the plans for the new booth and I must say they look very nice indeed! If you've been in the Museum lately, the new VE3JW is going right where the Louis StLaurent ship is; where else but in the model ship area. Depending how things go, I'll try to get a picture or two for the next Rambler. Briefly, the booth will be open on two sides with a window on a third side looking in from the astronomy display. (You know you can really get some people upset if you call it astrology!) (Almost as much as some Amateurs get if you call them "HAMS"!.) Oh well, if you can't take a joke --- Back to the description. The ceiling is to be an open grate type to facilitate cooling in the summer (yea!). The interior lighting will be cooler too, fluorescents. The shelving will be a sort of off white but with a non glare finish to help out the Slow Scanners. Speaking of which, Russ's B&W monitor will be in the rear corner as it is now, and improved lighting will brighten up the area where pictures will be taken, to send back and forth on slow scan. There will be a couple of display cases and a spot for a colour monitor when the big jump to colour slow scan is made. There is some talk of getting some RTTY into the display too! The area behind the equipment will be accessible through a door to help with maintenance. Speaking of which, the sick Hercules is going to be looked at by George, VE3BNO, and if its ailments cannot be corrected, it will go back to the supplier for an overhaul. In the meanwhile the Heathkit SB200 continues to give yeoman service. Back to the new booth. (Boy it's easy to get off the subject!). There will be a counter surface along the open sides where handouts may be placed and there will probably be an area where bulletins or announcements concerning Amateur activity in the region may be placed (meeting nights etc.) I think thats all from the Museum side of things for now.

For those of you who don't know, the OVMKC radio Course has begun and - - well no doubt there are comments elsewhere in the Rambler. I will add that when I told George, VE3JQW, that I was helping out with the course, he nodded his head; when I told him I was presenting the Code he almost fell out of his chair at the last meeting! You see, it was only through George and Dave, VE3KLX's efforts, and of course the Pot Lid Net, that I go through the Morse Code for my Advanced (the third time!) Maybe I will improve my code a bit more. I hope so. I bet there are 27 students out there who are thinking much the same thing! Meanwhile Russ, VE3FSN, presents the theory; Dave, VE3KLX does the graphics; Pat, VE3KJQ the code tapes and Tim, VE3EWE mentors the mentors. What a group! (the gang of FIVE!) I hope the mentors are mentioned elsewhere in the Rambler.

Well I must create some nasty quiz questions for the students next week and some homework questions too, so I had better run. Pat and I are helping out with the running race on Col. By Drive on Sunday 26 Sept. so I don't know what kind of time I going to have available the rest of the weekend.

See you next time.

de Mike

VE3LAR

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THE BOTTOM LINE

Our present book balance is \$2270.10. The expenses for the amateur radio course so far are \$424.58. Printing supplies and maintenance for the printing machine were \$308.91. Club membership currently stands at 70 of which 27 are students in the course. (see page 9)



PROPAGATION - reprinted from the VE2TD Newsletter  
A summary of existing propagation forecasting.

1. The QST Propagation Charts are based on the relative position of the earth relative to the sun, and the curves indicate the best times in the 24 hours when DX contacts by radio should be possible between two separate areas on the earth's surface. IF other factors affecting DX are also favourable.

For example for medium range distances, an all daylight radio path is usually desirable, because the height of the ionosphere tends to be more uniform and thus acts as a more effective reflecting layer, IF the sun's sunspot activity causes the Ionosphere's height above the earth to be at an optimum.

Other factors which can have an important influence on DX conditions are whether it is Winter or Summer, or in the changing times of the two Equinox periods. Geomagnetic effects such as the stability of the earth's magnetic field, Auroral effects, any unusual sunspot activities on the sun's surface, the general properties of the Ionosphere as a stable reflecting medium, Reflection, Absorption, the angle at which a signal strikes the Ionosphere or any of it's subsidiary layers, magnetic storms, "ducting", etc. The QST charts are therefore a "first step" in attempting to find out a good period of time for DX contacts between two points.

2. Propagation forecasts from W1AW. These are given as a part of the normal daily bulletins radiated from W1AW and they are up-dated every few days based on the latest figures of "Solar flux" obtained from Ottawa and Zurich. They are also included with an index of changing geomagnetic conditions. The forecasts and the methods of obtaining the information required to compile them, are given in detail in the 1980 ARRL Handbook, Chapter 18. These details would be a good basis on which to work on a proposed Quebec project.

3. The National Bureau of Standards (US) broadcasts through WWV, using fixed frequencies, and fixed radiated power levels with an omnidirectional field pattern of radiation. The times of the propagation forecasts are given as an index and are made at 18 minutes past the hours interlaced with the five minute time signal announcements. There are the "A" and "K" indices, the order of solar flux measured locally at Boulder, Colorado and this changes every six hours, - the state of solar activity and more importantly, what changes are evident, - the conditions of the earth's magnetic field over the previous 24 hours, and the same factors anticipated over the next 24 hours. The figure for "solar flux" is derived from measurements of the sun's radiation taken daily on a microwave frequency of 2300 Mhz at Ottawa. That frequency is chosen because it co-relates with maximum ionization density of the Ionospheric "F" region, and with the smoothed Zurich sunspot number, and also with the MUF (maximum useable frequency) for long distance communications. A value of 66 represents a "quiet sun", usually in those years when the sun-spot cycle is at a minimum. We are approaching that minimum right now in 1982.

DX conditions are becoming more and more elusive and 20 metres in the last few months, has been noted for rare DX that appears suddenly and then departs just as quickly.

4. Direct visual observation of the sun is highly dangerous AT ANY TIME, but if telescopes or binoculars with suitable lens are used it can be done safely, providing that adequate filters are used. A pair of binoculars can be pressed into service, if one focusses the

sun through them on to a white background, a wall for example. This should give a picture of the sun in sufficient detail to actually see the sun-spots focussed on the wall. The trouble with this is that coated lens may be subjected to damage due to overheating. It is really best to use a telescope with the proper lens, and more important, use the proper type of filter.

5. Electronic observation of the sun and it's sun-spots. This is the best method because it includes many "fringe benefits" of microwave techniques. A 10 Gigahertz receiver is used with a parabolic reflector dish antenna, controlled in azimuth and in elevation. Better still, to use a gyro controlled or an automatic tracking system which keeps the antenna continually pointing at the sun.

The new "Gunnplexer" receiving system has had a limited popularity, but it might well lend itself to adaptation as a receiver to measure the sun's radiation constant with or without the extra radiation produced by the sun-spots activities. An interesting feature of this kind of 10 Gigahertz receiver is that the frequency stability of it's local oscillator need not be of a very high order, because it is dealing with not a single discrete frequency but with a small spectrum of frequencies. The way in which the Gunn oscillator functions should make it suitable for this application.

Monitoring with this or any other type of 10 Gigahertz receiver can be made automatic, that is, when there appears to be gathering clusters of sun-spots on the sun's surface, an audio or visual alarm can be made to operate and thus the operator need not be glued to his equipment all the time. An antenna consisting of a parabolic dish of 3 to 4 ft in diameter should be appropriate.

6. The AAVSO (American Association of Variable Star Observers) concentrates it's activities by monitoring the signals of Very Low Frequency transmitters at various places in the world, and correlating their signal strengths with solar flux figures and abnormally good propagation condition on the HF bands. In the range of about 20 to 100 Khz, there is the phenomenon known as SUDDEN ENHANCEMENT OF SIGNAL which has been found to precede conditions of high sun-spot activity which favourably influences DX conditions on the HF bands.

There are many observers making a surveillance of VLF signals and looking for S.E.S. effects, mainly for astronomical purposes. The periods when the SES occurs are recorded on graphs produced by automatic recorders and some of these have been published in this News Letter. However, the time delay between the event and the distribution of information concerning it, makes it an "after the event" occurrence and it is of little use for predictions except from a retrospective and analytical interest. The establishment of several such receiving stations at desirable noise-free locations in the Province would make available a valuable supplementary source of information for the RAQI Project that I have in mind for Quebec, and maybe for the whole of Canada.

7. The AMSAT Satellites programme. All the foregoing means of producing predictions of good propagation conditions relate to receiving stations on earth and operating under the confines and vagaries of the Ionosphere. With Satellites operation, however, such predictions are no longer necessary because the reception from them and the transmission to them is essentially independent of the Ionosphere. Once the signal breaks away from the reflecting layer, (at it's highest about 500 KM) and it is then in the

exosphere, the transmission loss in outer space is extremely small, considerably less than that of earth stations communicating with other earth stations via the Ionosphere.

Through a satellite one can enjoy DX without the restrictive effects of the sun's radiations, with or without sunspots which exert such an influence on the height of the Ionosphere and therefore it's effectiveness as a reflecting medium. Satellite operation gives us the freedom to be independent of the Ionosphere in this respect. With the new Phases III now in preparation, Robert Sondack, VE2ASL informs us, it will be in an orbit much higher than those preceding it, and consequently the time duration of a "pass", that when it is within range, will be extended from the usual fifteen minutes to about fifty minutes.

This makes a more attractive alternative to obtain DX radio contacts, particularly at the present time and up to 1987, when normal communications via the Ionosphere are steadily deteriorating and becoming fewer and fewer, and weaker and weaker.

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LOOK FOR THE RED DOT

Does your copy of the Rambler have a red dot on the address label? If it does it means that our treasurer has not yet received your renewal of membership. Take a few minutes now and fill in the registration form on the back page of the Rambler. Bring it to the meeting on Thursday Oct 21.

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OAKS AUCTION

The Ottawa Amateur Radio Club Inc. Will sponser their annual fall auction on Saturday, Oct. 30. It will be held at the usual place- Canterbury High School. Flea market in the morning with the auction starting at noon. Be sure to attend, should be a must for our students. Anyone who can assist contact Sidney, VE3GVI on the Wise Owl Net or on the Capital City FM net.

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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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EDITOR  
Jerry Wells  
VE3CDS

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THE BOTTOM LINE cont.

If you haven't yet submitted your dues and application for the new club year, 82/83, you will be struck off the files and next month's Rambler will be the last one. Use the club P.O. Box or mail to me Pat Brewer, 810 - 1170 Fisher Ave., Ottawa, Ont. K1Z 5R7.

Pat Brewer  
VE3KJQ

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

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