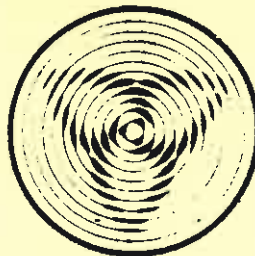
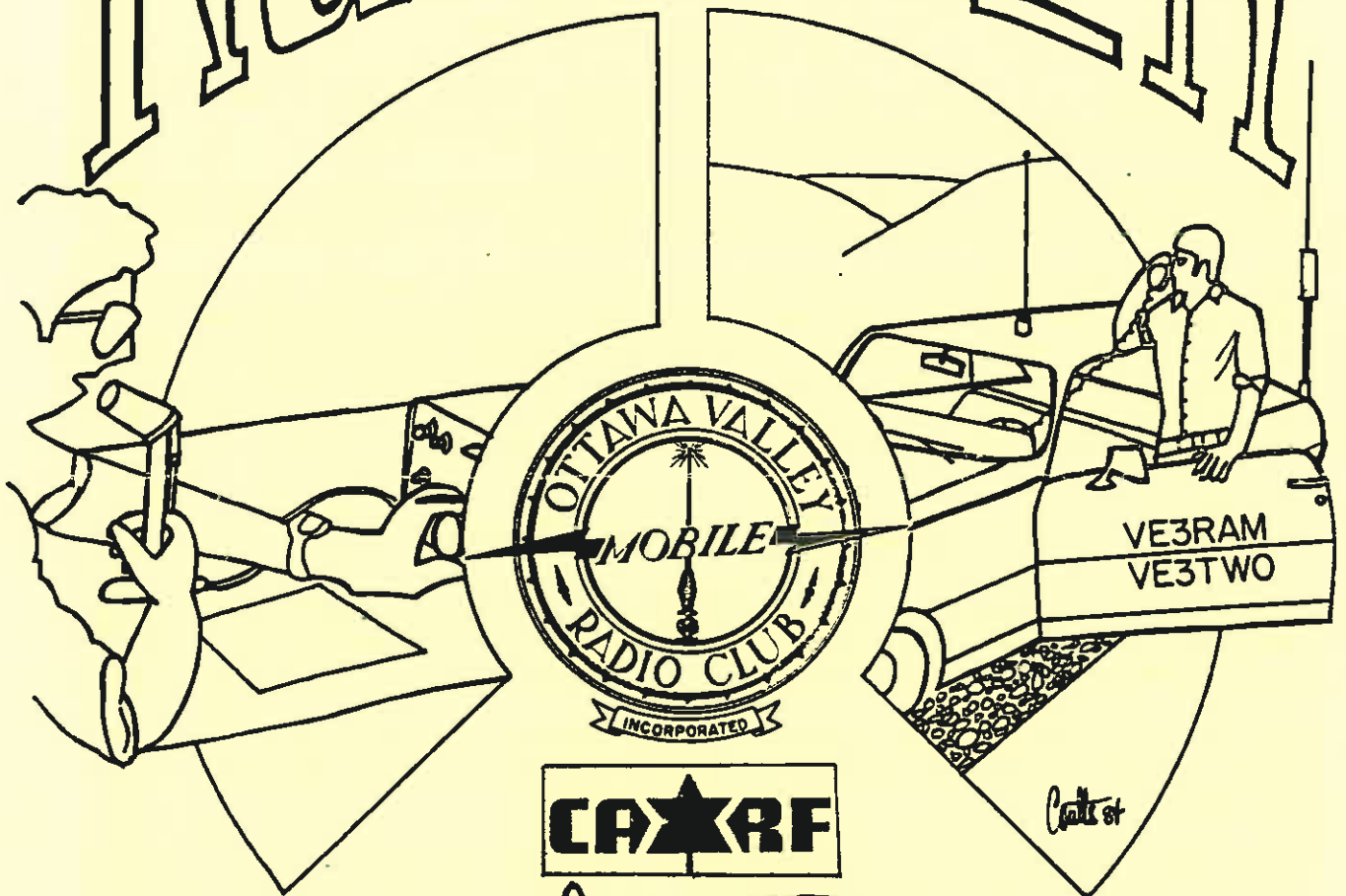


Ramble



NEXT MEETING:

JUNE 19, 1986

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	235-0187
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

EXECUTIVE NOMINATIONS FOR 1966 - 67

Below is the list of candidates for the 1966 to 1967 OVMRC Executive. As you can see there will be an election at the June Meeting. Nominations from the floor will be accepted at that meeting. The nominating committee was chaired by Paul Cooper VE3 JLP assisted by Fred Noble VE3 BAJ and Bucky Merkley VE3 JRR.

President	Mike Hughson	VE3 DVH	<i>George Johnson VE3 OAI</i>
V. President	Bill Seyler	VE3 <u>OAI</u>	
P. Relations	Bob Brown	VE3 <u>JOE</u>	
Secretary	Henry Greenway	VE3 <u>OMU</u>	
	Kris Anderson	VE3 <u>QWE</u>	
Treasurer	Dan Senior	VE3 <u>OMU M</u>	
	Bob Hicks	VE3 <u>OSN</u>	
Tech. Advisor	Bob Baillargeon	VE3 <u>MPG</u>	
Editor	Jerry Wells	VE3 <u>CDS</u>	

RUMBLINGS FROM OLYMPUS (THE FINAL RUMBLE)

In hopes that this edition of RAMBLER will reach members in time, I will announce that final details for those who will be assisting at the HORSE PEOPLE event in Wendover on June 14 & 15, will be broadcast on the Wise Owl Nets on the evenings of June 6 & 13. We will also be calling by landline anyone not reached on those two Nets..

Field Day - June 28 - 29 - at the Museum - lets turn out and help - many hands makes light work - I hope to see you all there for at least some of the time. Last year was a real success - lets make this one better still.

VE3BBM, Ralph Cameron is assembling a combined order for toroids from Amidon. If you wish to take part, call Ralph at home (825-1634) or business (225-2850).

The main event at the June meeting will be the election of a new Executive for the coming year. I believe that Paul Cooper VE3JLP, the chairman of the nominating committee has an interesting slate of candidates, so come on out and cast your vote for the candidate of your choice.

It hardly seems possible that Tempus has Fugit so rapidly in the past 12 months. I have found my term, as your President, interesting, frustrating, fascinating, amusing, infuriating and above all rather enjoyable. I shall with some reluctance, relinquish my claim to the 'gold-plated' key to the executive wash-room and revert to the normal brass version accorded to Past-Presidents.

All sorts of interesting events have taken place. The club's only building was finally relinquished to more constant use. The 2-meter rigs are now in good shape and available as needed. The repeater, VE3TWO, is well on the way to "state-of-the-art" status and with luck will be fully operational by the end of the summer. The course continues to attract candidates for the amateur world. RAMBLER has found a new home and will move sometime after this issue is printed. We have received acknowledgment from DOC for our comments on the restructuring of the Amateur Service. The paper on "susceptibility" has received wide distribution and varying response. The radio industry is fully in favour. The manufacturer's Association is dead against it. Perhaps that is not really unexpected. It is interesting that they are quite willing to meet the requirements of the FCC so they can sell in the USA, but object to doing anything in our own country.

Finally, I should like to extend my personal thanks to all the members of my executive, for their support and contribution in keeping me out of trouble, and for the interesting discussions we had together. Neither can we forget the coffee, cookies and donuts which were "some (\$27)-0 good". (\$27)-0

73 to all.

Bob
VE3KLL

SUMMER OPERATION OF VE3JW

Don't forget that VE3JW is available for operation during the summer... See the back page of the Rambler. If your name is there as an operator, try and make it or line up someone. Contact Bob VE3JDB.....

THE LEADING EDGE

The way of the next decade is the ULSI or Ultra Large Scale Integrated circuit. Present equipment being developed at IMS-Micro-Fabrication Systems GmbH uses ions, rather than light, to produce masks for ICs. These masks have lines which are less than .25 micrometres apart. At that density, it would take 4000 lines to fit in a space of 1 mm.

The last hold out in the IBM standardization war, Apple Computer Inc, has announced plans to offer an add-on board for the Macintosh. This will allow the machine to run MS-DOS based products.

Through efforts made at Sprague Electric Co, hybrid circuits, an important part of the electronics industry, have been substantially reduced in size. Hybrid circuits take individual components; ICs, transistors, etc. and mount these on a ceramic substrate. Up to now, most of the space was taken up by the individual capacitor chips. Researchers at Sprague have developed a method of incorporating the capacitors required, right in the ceramic substrate used to mount the other components on.

Another substrate related development comes from Japan's Nippon Telegraph and Telephone Corp. The greatest enemy of integrated circuits is heat. This is a particular problem as more and more components are packed into less and less space, in an attempt to improve performance. Researchers at NT&T have fabricated microchannels in the multilayer substrate used to hold the components. In a test, it was found that a substrate only 85mm x 105 mm could safely dissipate more than 400 watts, when coolant was forced through the microchannels.

So you say you would like to watch TV on a large screen, how about one that measures almost 50 metres diagonally. Sony corporation's experimental Jumbotron was so successful that they are developing a commercial version. Unfortunately, the commercial version is expected to only measure 20 metres diagonally.

Work commenced, in March, on the first stage of a global network of optical fibre undersea cables. The first cable is being laid between the coasts of England and Belgium. Eventually, it will join a cable system connecting England, mainland Europe, North America and the Far East. This is possible only through the manufacture of ultra-pure glass for the optical fibre. This glass is of such a quality that a block of it 20km thick would theoretically be as transparent as a window pane.

de Russ
VE3FSN

NOTICE OF MEETING

The next regular meeting of the Ottawa Valley Mobile Radio Club will be held on June 19 at the auditorium of the Museum of Science and Technology starting at 8 P.M. The program will be election of officers and last minute details for Field Day. Try and make this important meeting.

For those of you that don't make it to the June meeting or Field day have a safe and careful summer...Drive safely and have a good holiday...See you on the air or in the fall...

OVARC ADMINISTERED MORSE CODE EXAMS

As mentioned last month, Advanced Amateurs may now conduct code exams for the Amateur or Advanced licence. The club will be holding an exam on the night of the June meeting starting at 7:30 pm. We will be able to test Advanced or Amateur class sending and receiving. If you would like to try the exam let Bob Campbell VE3KJK know by June 14th. We will not hold the exam if there is not enough interest. You should remember that it costs \$5 per section if you take the exam with the DOC. When we conduct the test there is no charge. A copy of the preliminary guidelines for "Amateur Administered Morse Code Examinations" appears below.

QUALIFICATIONS

The examiners must be Advanced class. The three advanced examiners must administer the test and sign the attestation form upon successful completion of the test. Fees are not to be charged by volunteer examiners.

EQUIPMENT

The examiners shall supply an oscillator and hand key for the sending test.

A cassette recorder and earphones or loudspeaker must be provided to conduct the receiving portion of the test.

Candidates who wish to use keyers, typewriters, etc., must provide their own.

BRIEFING AND FAMILIARIZATION

Examiners should allow ten minutes for briefing and adjustment of equipment before commencing the examination.

EXAMINATION

The candidate must; 1. send, in International Morse Code, plain language, including figures and punctuation marks, for three consecutive minutes at a speed of not less than ten words per minute.

2. receive plain language including figures and punctuation marks, for three consecutive minutes at a speed of not less than ten words per minute. The morse may be copied by hand or typewriter.

REVIEW

Allow candidates two minutes to review and correct their copy.

WORD

Five characters constitute a word, with letters counting as one character and figures as two characters.

ERRORS

All missed or incorrect characters count as one error. Candidates shall be give 100 per cent with five or less errors. The pass mark is 100 per cent.

RE-TESTING

Candidates may be re-tested as often as necessary at the convenience of themselves and the examiners.

CREDITS

Credits earned towards an Amateur Certificate are good for one year from the date obtained. Credits toward the Advanced Certificate are good for life.

Attestation forms must be forwarded to the District Office concerned immediately after the tests are completed.

The examiners should retain a copy of all attestations they issue.

NOTE; For Advanced code tests, the procedures are the same except the required speed is fifteen words per minute, send and receive.

Pat
VE3KJQ

YYB REPORT - ON LOCATION IN YOW

The title has changed slightly as I am once again in town in preparation for a 3 week course at Transport Canada's Training Institute located near the "Cornwall International Airport".

I decided that I had better get an article together for the June Rambler as a few things have happened since my last installment.

One of the latest happenings is my return to H.F. After nearly a year absence. H.F. mobile is a compromise as I cannot operate a station from my apartment. The H.F. mobile configuration consists of my Stalwart FT707 and my newly installed Kenwood MA-5 antenna. I seem to be getting respectable reports from my various remote locations: Live from airport hill or live from the little church parking lot just down the road from the North Bay radar site.

Speaking of radar sites, one of my new pastimes is to go on reconnaissance missions in the various cities I happen to be in to locate the radar site associated with the city in question. Ottawa's radar site was particularly hard to find. I did finally locate it, but it took two separate missions to find. The reason I didn't find it the first time was because it is fairly unobtrusive and a bit further away from the terminal building than I expected. I even took a photograph of it with my blue shuttle craft in the foreground just to prove that I was, in fact, there. I guess one has to be in the radar business to find enjoyment in the location of mystery radar sites of Canada. Maybe I'll have to produce a special road atlas for wayward radar smurfs.

Recently I had the experience of flying up to one of Transport's non-directional beacon (NSB) sites in Northern Ontario. To be more specific I went to Lansdowne House, Ontario (YLH). YLH is north of Geraldton and is considered to have an airport. I guess it is an airport since aircraft land and take-off there, but that's about it. The following data is taken from the "Canada and North Atlantic Terminal and Enroute Data" published by Energy Mines and Resources: Lansdowne House, Ont; Runway 08/26 3500 ft x 100 ft. gravel. In my estimation the runway's consistency was closer to "muck" but the plane managed to land without incident. In my usual cunning linguistic fashion, I began adding commentary about YLH's "Terminal Building". Comments were also made about the 10 x 10 building upon which a sign was nailed with the inscription "waiting room". One of the other members of the landing party added that YLH is really a classy place and that there is even a sign inside the "waiting room" that says "Don't spit on the walls". I never went inside to investigate so I can't say for sure that such a fine

mark of distinction and class really exists. Actually YLH is not that bad. It is in a remote corner of Ontario but it is peaceful and full of attractive scenery.

I guess that'll be a wrap for the current club year. I look forward to talking to my fellow OVMRC'ers on 40 and 80 over the summer and of course I shall continue to produce fine award winning articles for the Rambler. By the way, what ever happened to Pat, KJQ....or up until now has he simply been an illusion for our amusement that simply winked out of existence to never again influence the development of man in an infinite universe.

Dave VE3KLX
Foreign Correspondent
North Bay Bureau

MINUTES OVMRC MEETING MAY 15, 1986

Meeting called to order by the President and one guest, Charles Gauthier, an SWLer as introduced. He wishes to attend the fall course.

Minutes of the April meeting, as published in RAMBLER were approved on a motion by VE3NVL, Leo, seconded by VE3OAO, Vance.

BUSINESS

The motion to amend Article 7 of the Constitution to read; "Non-payment of dues by 31 October shall be cause for cancellation of club membership" was approved on a motion by VE3NJV, George, seconded by VE3LNH, Alan.

Members were informed that directories, if not claimed by the June meeting, will go on sale.

The President announced that arrangements to take the code test at the June meeting, would be made if at least three candidates expressed interest.

New club members were reminded of the "Joe Norton Award" which is administered by the OARC, (\$27)-1 but is open to ALL NEW AMATEURS in the area.

The President again reminded the membership of the "Horse People" event in Wendover on June 14 & 15. The more operators that turn out, the better. Listen for final announcements over "The Wise Owl Net" of Friday, June 13, at 8 PM.

Bob Brown VE3JDB, reminded members about operating time on VE3JW at the Museum.

VE3JLP Paul, reported on the activities of the Nomination Committee and reported that there definitely will be an election this year.

The meeting was turned over to Jim VE3JPC who spoke concerning the plans for Field Day on June 28/29. Jim now has some members committed for specific duties and there will be a final report at the June meeting.

Next month's meeting will be devoted to the election of a new executive and to a brief report from the new Coordinator of EMARG.

The meeting adjourned at 9:30 PM on a motion by Vance VE3OAO.

OVMRC FIELD DAY 1986

I am sure that by now you have been phoned by one of the club volunteers to remind you that our club is again operating Field Day at the Museum of Science and Technology on Saturday, June 28. Although the actual operating starts at 2 p.m., we will need help to erect the antennas, install the stations, check the generators and take care of other details prior to the start; I am proposing that we start at 10 a.m.

We have had verbal approval to use the train depot again at the Museum and the XM49er trailer will be on site. I am pleased to report that Brian, VE3ELQ, will be bringing his 27 foot mobile home with an Icom 735 HF rig and an Icom 290H all mode 2 metre rig.

If you have any preferences for operating on a band at a particular time, please feel free to contact the following Station Masters:

80 meter (phone/cw) - Hugo, VE3KTN at 748-3979

40 meter (phone) - Alan, VE3LNH at 737-4937

40 meter (cw) - Doug, VE3OMZ at 592-2447 (This station is primarily for our recently licensed members or those who are just about to be licensed.)

20 meter (phone/cw) - Bob, VE3JDB at 729-6440.

We will also be operating a Satellite station, run by Tom, VE3OFM; and a Packet station, run by Bob, VE3OSN.

I haven't been able to decide if we need someone to take charge of making coffee, soup or something to eat. Although there are restaurants nearby, it is really a big boost to have these goodies on hand while operating. If there is a volunteer to look after this vital job, by all means give me a land line or leave a message on the local packet bulletin board (VE3FXI).

Last year we had a point score of over 2900 points. I would say that if we could get about another 500 to 1000 points, we would certainly place in the top ten clubs in Canada. So if you have any other suggestions, gripes, kind or unkind criticisms, please feel free to contact me at 744-2138.

Jim
VE3JPC

FROM CRRL NEWS

Here is an update on the Jack Ravenscroft case. Despite some opinion to the contrary, the case could affect commercial as well as amateur transmitters. This is why several broadcast companies and at least one paging company have contributed to the JRSD Fund. At press time, that fund was in receipt of some 740 donations totalling about \$34,000. The fund will soon be audited and the audit will be made public. Expenses to date, not including damages and the plaintiffs' costs, total \$15,500. The appeal will cost between \$10,000 and \$20,000. In a worst-case scenario, Jack's obligations could easily total \$50,000 - 60,000. There are three rumours that seem to prevent some amateurs from contributing to the JRSD Fund. The first is that an unlicensed transmitter was impounded at Jack's home. This did happen, 53 years ago, when Jack was a high school student. Jack had completed

a radio course and was in possession of a 6L6 rig - a no-no in those days if you didn't have a license. So Jack wouldn't be tempted to put it on the air, the authorities "borrowed" it until Jack was licensed. That was in 1933. The second is that Jack must have been an aggressive operator to amass 300-plus countries in two years as VE3SR. In fact, Jack's DXCC total was achieved over 47 years, operating as VE2NR. The third is that Jack brought problems on himself by running a "dirty" transmitter and high power. In fact, DOC proved that Jack's rig was "clean". Jack owned a linear amplifier, but used it with restraint. Problems occurred using as little as 10 watts of power. In the appeal, Jack will be represented by one of the best communications lawyers in Canada. To win - for all of us, really - he needs all our support. Please send your donations to the JRSD Fund, Box 8873, Ottawa, Ontario K1G 3J2.

VE7EXPO, located in the Canada Pavilion at Expo 86, the Vancouver World Fair, will operate daily from 1700 UTC until 0500 UTC on the following modes and frequencies: CW on 3.51, 3.71, 7.01, 7.11, 10.105, 10.12, 14.01, 14.03, 21.01, 21.11, 28.01 and 28.11 MHz; SSB on 3.74, 3.795, 7.08, 7.155, 14.135, 14.205, 21.135, 21.205, 28.135 and 28.305 MHz; RTTY on 3.59, 7.04, 10.14, 14.09, 21.09 and 28.09 MHz; and SSTV on 3.845, 7.171, 14.23, 21.34 and 28.68 MHz. For information about other modes or bands, contact the VE7EXPO Operations Committee Chairman, Larry Reid, VE7LR, at 6615 Napier Street, Burnaby, British Columbia V5B 2C2. Throughout the summer, VE7EXPO will direct its DX operating to particular countries on their "national days". All contacts with VE7EXPO will be rewarded with a QSL card sent through the national bureaus.

What time is it? There are lots of interesting stations to check: WWV from Fort Collins, Colorado, on 2.5, 5, 10, 15 and 20 MHz; WWVH from Hawaii on 2.5, 5, 10 and 15 MHz; JJY from Tokyo on 2.5, 5, 8, 10 and 15 MHz; CHU from Ottawa on 3.33, 7.35 and 14.67 MHz; VNG from Lyndhurst, Australia, on 5.425, 7.515 and 12.005 MHz; OLB5 from Czechoslovakia on 3.17 MHz; VWC from Calcutta on 12.744 MHz; or DOA from the Federal Republic of Germany on 2.775 and 12.763 MHz.

CRRL's Bill Loucks, VE3AR, and CARF's Ralph Cameron, VE3BBM, represented amateurs at the May 1 meeting of the EMI Committee of RABC, the Radio Advisory Board of Canada. At that meeting, a DOC rep expressed the opinion that the Jack Ravenscroft decision would not likely affect commercial transmitters. Commercial transmitters would be judged to benefit the public while amateur transmitters would be judged to benefit only the amateur. The EMI Committee recommended that a CRRL-CARF-Canadian Cable Television Association subcommittee be disbanded. The subcommittee had developed effective procedures for reporting cable television interference and its work was done. On limiting noise from digital equipment, the EMI favoured standards already adopted by the FCC in the United States. Bill Loucks asked the EMI Committee to consider a recommendation that DOC should be able to require adjustments to any equipment that was meeting standards but still causing harmful interference. On that recommendation, 5 Committee members voted yes, 4 voted no and 4 abstained - not consensus, but still worth taking to DOC.

CRRL's 1986 Canadian Repeater Directory is now available. Extensively revised and checked, the Directory lists over 600 repeaters from Victoria to St. John's to Frobisher Bay. For your free copy, send a self-addressed stamped envelope to CRRL, Box 7009, Station E, London, Ontario N5Y 4J9.

BARF AMATEUR RADIO FIDO

Those who have called the code phone number recently, expecting to hear CW, have instead received the enquiring tone of a computer. As mentioned last month, the code phone number (825-0786) has been taken over by a bulletin board system.

Why, you may ask, do we need a bulletin board. I tend to think the same question could be asked of a club repeater. A bulletin board can become the focus of a club, a place to leave and receive messages, obtain software and read about the latest amateur related news. While the Ottawa area has bulletin boards catering to many different interest groups, there are no boards for the amateur community. The Boat Anchor Radio Federation bulletin board is going to attempt to fill this niche, with your help, that is.

A few words on what is going to happen, I hope. For the last few weeks, a bulletin board has been operating using some fairly simple software. A little too simple for what I hope will develop. A software package called FIDO has been obtained and is now in place. This system allows the entering and reading of messages; listing, uploading and downloading of software; and access to FIDONET. In the months to come there will be sections added related to for sale items, wanted items, CRRL bulletins, club bulletins, FIDONEWS. Software will hopefully encompass the common machines; PC and compatibles, Commodore and the Apple II. There is a wealth of public-domain software out there and I will try and obtain some of it, but I will need your help. I will especially be looking for amateur radio related materials.

What about FIDONET. Fidonet is a true "packet switched" network operating between FIDO BBS installations. Each evening each FIDO bulleting board enters the FIDONET mode at 1:00 AM PST and waits to either send mail to or receive mail from another FIDONET node. This does not just apply to the local area, as there are FIDO systems operating across the world; in the US, Canada, Europe and Asia. Long distance charges do apply but they are minimum as rates are lowest at the time used and mail is compressed and bundled to reduce costs. I hope that the amateur community may see this as a quick way of moving traffic across the country, not to replace the existing traffic systems, but as an enhancement.

All I can say is that I hope this will work. I will need help in the form of comments and criticism, as well as public domain software. I expect things may change rapidly so give it a call from time to time at 825-0786.

de Russ VE3FSN

SUNSPOTS AFFECT ELECTRICAL SYSTEMS

During the weekend of February 8, 1986, Ontario Hydro monitored the effects on its high voltage transmission lines of tornado-like storms which had occurred almost a day before on the surface of the sun - more than 93 million miles away.

Ontario Hydro data collection points at the Kenora, Lakehead and Wawa transformer stations recorded a slow pulsating direct current occurring on electric lines running east and west across the Canadian Shield. While the impact of the interfering current was negligible in Ontario, there were voltage swings of 15 kV on the electrical lines in Quebec and of 10 kV on some New York State

tielines to New England. No equipment was damaged, although during similar occurrences in the past, relays have suffered heat damage.

Electric utilities monitor and rank storm activity on the sun using a one-to-nine "Solar Magnetic Disturbance" scale. The February disturbance ranked a nine, the highest level of severity. There are five or six periods of significant sunspot activity each year.

LIFE, THE UNIVERSE AND EVERYTHING

Spring has sprung, the grass has rizz and I know where the birdies is; all in my back yard. With gardening, cycling, hiking, walking, sailing and just plain goofing-off, in full swing, amateur radio related activities seem to be taking a back seat. This does not mean that activity has stopped, just that any excuse is a good excuse.

The repeater controller has arrived for VE3TWO, so over the summer that should be assembled and installed in the backup repeater. In addition, the new touch-tone decoder is in, hopefully this one won't bite the dust.

The amateur radio course, fifth year no less, is all booked in and ready to go. There is a slight change in dates, due to unavailability of the school as early as we wished. Registration will take place Monday 15 September, 1986, at Laurentian High School, between the hours of 7 and 9 PM. The course will start the next week and run through February 10, 1987. If you know of anyone who is interested, have them contact myself, Jim Fathers, Pat Brewer or Kathy Rodd.

Speaking of things course related. I notice that people are still trying to access the code phone. This will be down for an indefinite period of time, as reported last month. Major changes are occurring in the system and as reported, the phone line is now connected to a computer bulletin board (details in another section of the Rambler).

That I think is it for this month. It is far too nice a day to be pounding at a computer keyboard so I think I'll go grab 40 winks in the sun. Have a great summer and see you at the bar-b-que.

de Russ
VE3FSN

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OTTAWA ONTARIO
K2C 3M1

TENTATIVE SUMMER SCHEDULE FOR VE3JW

The following listing of operators for VE3JW has been prepared with the hope that those amateurs listed will be able to operate the station at the times indicated during the summer months.

Morning 10 AM-1PM

Afternoon 1PM-5PM

July 5	Merv VE3CV, Bill VE3YK	Fred VE3BAJ, Jim VE3GJY
6	John VE3FXF, Dan VE3EBI	Susan VE3OSP, Joan VE3OSE
12	Pat VE3KJQ, Russ VE3FSN	Bob VE3MDA, Phil VE3MJY
13	Rick VE3HVA, Lloyd VE3AYE	Fred VE3NJF, Alan VE3LNH
19	Bob VE3JDB, Brian VE3ELQ	Dick VE3EYJ, Marj VE3CAM
20	Ken VE3IHX, Bob VE3MPG	George VE3NJJ, Andy VE3KIZ
26	Rick VE3NJJ, Gord VE3OSM	Leo VE3NVL, Camille VE3ONO
27	Carl VE3BYX, Pete VE3LBW	Tom VE3OFM, George VE3PFZ
Aug 2	Dave VE3OSY, Bruce VE3MJV	Bob VE3MSK, Dave VE3JTZ
3	Mark, VE3OWL, George VE3PFZ	Susan VE3OSP, Joan VE3OSE
9	Tom VE3OFM, Dave VE3GOG	John VE3FXF, Dave VE3GOG
10	Merv VE3CV, Bill VE3YK	Fred VE3BAJ, Jim VE3EJY
16	John VE3FXF, Dan VE3EBI	Susan VE3OSP, Joan VE3OSE

If you can not make it on the day listed try to get someone to take your place. Let's try to keep VE3JW on the air during the summer. Contact Bob VE3JDB at 729-6440 for furth info. If you wish to operate in August call Bob or just go to VE3JW.

OVMRC
P.O. Box 5530 Stn F
Ottawa Ontario
K2C 3M1

FIRST CLASS

FIRST CLASS

JIM HAMILTON VE3GJY
2038 ARCH ST.
OTTAWA ONT.
K1G 2H1