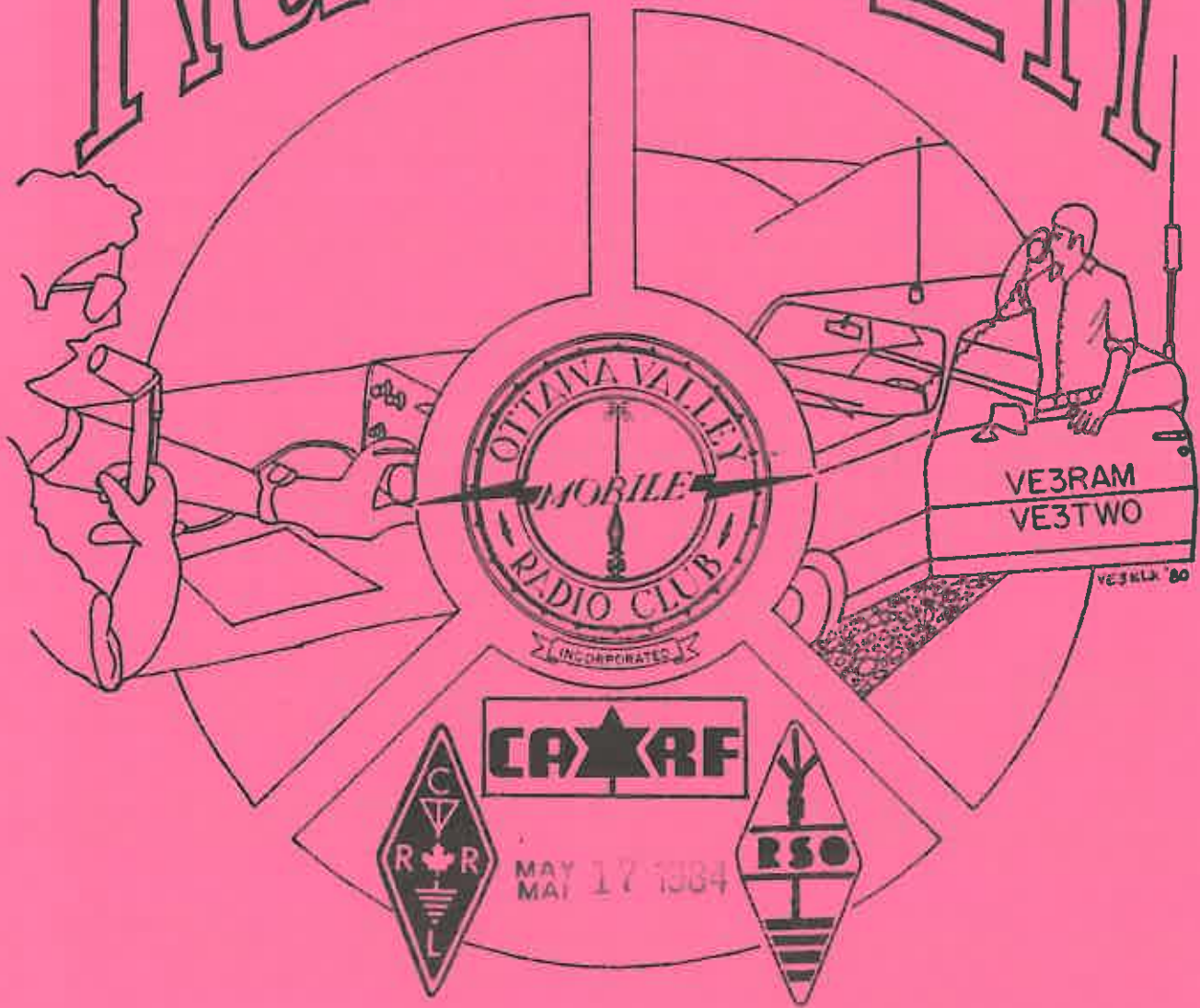


RÄMBLÄR



THE OTTAWA VALLEY MOBILE RADIO CLUB INCORPORATED

1983-1984 EXECUTIVE

PRESIDENT	Dave Goutts	VE3KLX	829-2537
VICE PRESIDENT	Pat Brewer	VE3KJQ	725-1528
SECRETARY	Bob Campbell	VE3KLK	729-7536
TREASURER	Vance Johnson	VE3OAO	824-9555
TECHNICAL ADVISOR	Bill Balke	VE3NPG	
PUBLIC RELATIONS	Alan Boyce	VE3LNH	722-8130
EDITOR	Jerry Wells	VE3CDS	225-7374
PAST PRESIDENT	Russ Pastuch	VE3FSN	828-9235

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 - 147.30/147.90 MHz.

CODE PRACTICE - Transmitted on VE3TWO by Dave, VE3KLX Wed. at 1900 local, 18, 15, 13, 10 and 7 wpm. Friday at 1900 local 40, 30, 25, 20, 18, 15 and 13 wpm.

VE3JW - 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. VE3JW operates on all HF Bands, both CW and phone. Slow scan TV is also demonstrated.

LOCAL AMATEUR RADIO ACTIVITIES

POT LID NET - Sponsored by Ed, VE3GX. An informal slow speed CW net meeting each Sunday (except July and August) at 10:00 Hrs on 3.62 MHz, to provide and stimulate interest and proficiency in CW procedures.

CAPITAL CITY FM NET - Sponsored by the Ottawa Amateur Radio Club Inc. every Monday night at 20:00 Hrs. Conducted on VE2ORA repeater 146.94/146.34.

SWAP NET - Sponsored and conducted by Ed, VE3GX, each Sunday as a part of the Pot Hole Net and each Monday as a part of the Capital City FM Net (except July and August). Ed may be reached 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 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)

CHIEF BRIEF

I guess this will be the second last article I will prepare before my term as President is complete. In keeping with the OVMRC constitution. I have managed to get Fred Noble, VE3BAJ to be the Nominating Committee Chairman. Fred will be assisted by Syd Moorcroft, VE3GVI. Fred & Syd could both use another body to help distribute the work load. If you are interested please call Fred. By the same token, if you are interested in running for a position on the executive, give Fred or Syd a call. Fred tells me that he already has one person for every spot thus far but would like to have at least two per position to ensure a democratic and decisive victory. Fred & Syd will be calling various members to see if they are interested in running. It also appears that, depending on the election results, we will need a man to take on the coffee responsibility for the meetings. Anyone interested to take on the job that usually gets taken for granted?

I still have some Wise Owl Net Certificates in my possession for various amateurs that I would like to get off my hands. If any of the names I am about to mention know that they will be at either of the two remaining OVMRC meetings then there will be no problems. If there are some that can't make it then I would appreciate an SASE. The certificates are 8½ x 11 but can be folded to fit in a 4 x 8 business envelope. If I haven't heard from any remaining individuals by mid-June then I will mail them. Obviously I don't want to make the Post Office too wealthy so please assist me in reducing the size of the stack of certificates. These individuals are: VE3's XS/PNG/OPM/DIJ/NJI/MJM/GOG/NVI/CAO/EGH/MYQ/GVI.

That's it for now, see you at the May meeting!

DE Dave, VE3KLX
President

V.P. VIEWS

Last month's auction was quite a success. The bottom line is that we made \$528.78 after expenses. We also managed to leave the school before 15:00, which is an accomplishment in itself. I would like to thank all those who helped out: Russ VE3FSN, who lugged all your junk around, Vance VE3OAO, who looked after the money, Dave VE3KLX, who collected the funds from the flea market and commercial exhibits, our auctioneers, Merv VE3CV, Sydney VE3GVI, and Jerry VE3CDS, Mike VE3LAR and assistants for looking after the food, and finally Bob VE3KIK for helping keep track of who bought what for how much. If I missed some one, it is not that your efforts were not appreciated, it's just that I couldn't see who was doing what all the time.

A special thanks is due to the commercial exhibitors, H.C. MacFarlane Electronics Ltd., ICOM America, Inc. (Art Stark), CARF, and CRRL.

We should also be thankful that we were spared the sandwiches made by Alan VE3LNH (he forgot them, after giving other members of the executive heck on The Wise Owl net for not making their own sandwiches). Once he finally arrived Alan helped out by looking after the club flea market table along with Sydney VE3GVI.

Changing the subject, club membership for 1983-84 is now closed at 101 members. I will start accepting memberships for 1984-85 at the May meeting. You will find an application in this issue of the Rambler.

Pat VE3KJQ

DAYTON '84

Well we're back from Dayton and I believe we all had a good time. The "we" were Sylvester, VE3LBH; Phil, VE3MJY; Herb VE3HMF and myself. We left Ottawa at 10:30 Thursday and arrived in Lima, Ohio for our first night at about 22:30. 08:00 the next day we were on our way to Dayton to look for rooms closer to the action; no luck, so we pressed on to Monroe, 25 miles south of Dayton where we had reservations. It turns out that for about 50 miles around Dayton, all hotels were full.

Following our check-in we were back at Dayton for the show at about 1300. This year the hours on Friday were extended to 20:00 for inside exhibits whereas the flea market closed at 18:00. After a couple of drinks in the room of Dave, VE3GOG and Tom VE3QFM that evening, we set off for the FAR-OUT ARC hospitality suite where we also had a few drinks. A particularly far out group, they had a barrel of beer in the bathtub surrounded by lots of ice. A pressure system was attached and voila, instant draft beer. Canned beer also could be had. Some munchies along the side and Vicki selling raffle tickets (actually playing cards) made our stay there quite enjoyable. I found out that Vicki is the Editor of the FAR-OUT ARC bulletin so I got her address and we'll start exchanging bulletins.

There were a number of other hospitality suites however the group, minus Dave and Tom, went for seafood at a place called the Shuckin' Shack. Our waitress, Mary, was very friendly and we were about the last to leave about 24:00.

Saturday we had a good long wander around the show again and we all parted with some of our money. Supper was back at the Shuckin' Shack where Sylvester and I purchased a couple of T shirts. Saturday evening we rested, prepared our customs declarations and got packed.

Sunday was the drive back. Leaving Monroe at about 08:00, we arrived back in Ottawa about 22:00.

The costs broke down roughly as follows:

Transportation including fuel	- \$66.00
Accommodation	- \$57.00

Because a bus from Ottawa to Dayton & return costs about \$3500 we actually saved money over the costs forecast for the aborted bus trip.

Regarding a possible bus trip next year, how about a day visit to the Wright-Patterson Air Force Museum? With that worked in, another night on the road, a better hotel downtown and inflation, the cost would be about \$200 per person. Would you be interested? Talk to any of us who went and we'll tell you how good Dayton is.

Mike VE3LAR

MINUTES OF THE OVMRC REGULAR MEETING APRIL 19/1984

The meeting was opened by the President at 2004 hours.

GUESTS PRESENT WERE: VE3FGQ-Ted and VE3CKL-Chris Stark of Fredericton NB.

Minutes of the previous meeting were approved on a motion by VE3NR-Bill, seconded by VE3NVL-Leo.

CLUB AUCTION: Vance, VE3OAO reported a return of \$444.79 less the rental of the hall. VE3LAR indicated a canteen profit of \$145.41.

NOMINATING COMMITTEE: The President requested a volunteer to act as chairman of the nominating committee.

FIELD DAY: A Coordinator is needed if this activity is to go forward.

The President raised the question of a "Call Ham" installation at the QTH of VE3FSN. This is a dial in system to obtain code practice and/or club announcements. After some discussion it was decided to budget for this item subject to later approval of any actual expenditure. This was moved by VE3CV-Merv and seconded by VE3FN-Ray.

CRRL: Ray-VE3FN spoke concerning CATVI and the request to open 7050 to 7100 Mhz of the 40 meter band to RTTY. He also reported that VE3CDS has been appointed Asst. Director of CRRL.

CARF: Art VE3ZS read extracts from CARF Bulletins and also discussed the sub-band problems that are now before DOC.

RSO: Merv VE3CV, requested membership to boost the coming convention at all opportunities. He also referred to the Ontario QSL cards. (samples were available at the meeting.)

ARVA ONT FLEA MARKET: VE3KIX reported this activity will take place on May 13/84.

On a motion by Merv VE3CV seconded by VE3JLP Paul, the auction committee was congratulated on the general arrangements for the auction.

FINANCES: Treasurer reported a Book Balance of \$2817.04.

VE3CDS - Jerry requested promotion of the OVMRC involvement in the coming convention.

The members present were informed of the theft of the VE3GIR license plates and asked to keep a watch and report to OPP if seen.

The meeting was adjourned on a motion by VE3FN-Ray seconded by VE3DVH-Mike.

EXECUTIVE MEETING WILL BE HELD MONDAY APRIL 30 at the Home of the President.

VE3KIK, Secretary

NOTICE OF MEETING

The next regular meeting of the Ottawa Valley Mobile Radio Club will be held at the Museum of science and technology.

Time 8.00 p.m.

May 17

Don't forget to volunteer to assist with the talk in for the RSO convention coming up in October. Contact Bob VE3KIK.....

LETTER TO D.O.C.

3 Apr. 84

Gentlemen:

For the second year, the Ottawa Valley Mobile Radio Club has held a class for those interested in obtaining their Amateur Class Certificate of Proficiency. The class began in mid September and ran for a period of 20 weeks. It was held at Emergency Measures Organization Headquarters on Richmond Road and ran Tuesday evenings from 1900 to 2200 hrs. During the evening, the time was fairly evenly divided between theory and morse code practice. To ensure that the students did the work expected of them, homework was assigned weekly. Answers to this homework were posted before the next class and, at the commencement of class, a short 10 minute theory test and a 5 minute morse code test were given to determine the students progress.

As in the previous year, it became obvious rather quickly that the students found that there was a large amount of information that had to be understood, not just memorized. It was important that the concepts were clear and that any problem could be tackled, no matter in what form it was stated. This emphasis on understanding was found to reduce the rate at which new material could be introduced to the students.

This time problem has been discussed by the other members of the teaching group and various solutions discussed. Lengthening the time spent every Tuesday was rejected on the basis that most people could not arrive much before 1900 hrs. nor stay past 2200 hrs. In addition, a saturation point is reached where additional information cannot be absorbed, a particular problem with morse code. Shortening the class and holding it two days a week instead of one was also rejected. The only viable solution to the problem appears to be making the course period longer, say 22 or 24 weeks. An immediate problem with this approach is that starting the class earlier in the year clashes with closing up of cottages, last sailing weekends, gardening etc. and people have not really gotten themselves in the mood for winter classes. The obvious solution, in the eyes of the course organizers, is to extend the class by a few weeks in the spring. As last year, the last class occurred the day before the exam was given. We are certain that this same problem occurs with other Amateur and Advanced Amateur courses being given in this country. Extending the course to just before the following writing would involve padding the course a great deal. Extending the course and then expecting the student to retain the information also would not work, human nature being what it is. Therefore, the suggestion is being made that the Department delay the February writing of the exam by a period of two to four weeks. We feel this to be a reasonable request and one that should not cause any problems for the Department and one that would be appreciated by other clubs in our situation. Furthermore, due to harsh winter conditions, chances are fairly high that at least one and possibly more classes will be cancelled or adversely affected, making it difficult to cover all of the material in the current time frame.

As far as the new examination format and question bank, we found the questions to be fair, on the whole. Some were a bit involved, such as classes of amplifiers and propagation, but this was balanced by the questions on Ohm's law, etc. The sending test

was conducted in a manner that the students found most acceptable. The receiving test, however, was considered by the students to be run in a manner that was less than acceptable. The students began the theory/regulations portion of the exam and were interrupted, at an indeterminate point, to take the morse code receiving test. Not only was the thought of the receiving test hanging over the students as they were writing but when the time came to take the receiving test, it was impossible to put 100% of their concentration into that portion of the exam. Going back to the written portion, the students found themselves still thinking of the morse code test. Would it not be possible, since the people were requested to be there early in the morning to take the sending test, to also take the receiving portion at the same time. I am certain this would improve the scores attained as well as reduce disturbance to others still writing.

All things considered, having been there when the students from our course wrote, I found the surroundings and general manner in which the exam was given to be most acceptable.

I am looking forward to your reply to my suggestions.

I remain,
 Russ Pastuch
 VE3FSN
 Course Coordinator OVMRC

QUA VE3OAO

Greetings! from the Royal Order of Procrastinators! This finds me sitting at my "mill" at the "eleventh" hour of the last night before the deadline to hand RAMBLER articles in for inclusion into the MAY issue.

Well we are all busy with Spring and end-of-school-year activities and I am no exception. But before these activities could influence my time too greatly, I bought a 5-band vertical antenna and ground mounted it. That is easy to say and type, but much more troublesome to act out. It took about a week for me to study the assembly instructions and take inventory of the parts and such and to get clearances from three utility companies involved. The instructions suggested that the ground rod be 8' long. I couldn't find one that size, but got a 3/4" X 10' one from a wholesale electrical supply house in Ottawa which included a husky clamp. Now, how do you drive a ten foot rod vertically into the earth? Well, about 17 years ago, my XYL and I constructed a dog run in our back yard in Adams County, Colorado. We used "T" shaped fence posts to hold the wire up that formed the pen. And we had a very difficult time pounding those posts down into the hard dried clay that our back yard consisted of. After wrecking the handle on my sledge hammer plus the tops of all the fence posts, we learned that there is a special gadget you can get called a "Post-Driver" which eliminates all the woes of driving fence posts. Fortunately, one is available at a nearby tool rental centre at a decent price. What it amounts to is a heavy steel pipe with a steel plate welded across the end and two handles welded onto the sides. How it works must be fairly obvious to you, you may try to start the ground rod

or post or whatever with your own weight so that it is steady, or have someone hold it for you. Then climb up on a step-ladder with the post-driver and put the open end of the post driver over the top of the rod/post, and when it is sufficiently lined up, let it fall down onto the end of the rod/post! (Alternately, you could put the post/rod into the end of the post-driver first and then lift the two into the vertical position and get the rod/post started before beginning the raising and banging operation with the driver).

Eventually, you reach the point that the length of the driver is equal to the length of the post/rod sticking out of the ground. So then you just pull the driver off and turn it around and line it up and drop the closed end of the driver down onto the top of the rod/post. It makes a dependably neat job of the project.

Now, in my installation, I decided to use a fence post 1 5/8" O.D. for the mast. It seems likely that this post is serving the duo-function of both mast, and an auxillary ground rod. So I used the same tool to drive it into the ground as I used for the ground rod. The result was that it flared out and was too large for the "U" bolts on the antenna's base assembly to slip down over the top of the fence post. I tried to find a steel pipe cutter to rent, but one large enough for the job seems to be something of the past, so a hack-saw cut the flare off well enough and I filed off the top to be square to the length. In filing off the rough corners, a brand-new file fell down inside of the mast pipe! A magnet attached to the end of a carpenter's wooden folding ruler retrieved it for me the next day. It was down about 60" from the top which is less than two feet above the ground. One of the employer's installations had some surplus No. 8 stranded copper wire I used a foot of for connecting between the base of the antenna and the ground rod.

In the past year or so of shopping and studying about antennas, I bought material to put up something, and just at the point of starting the installation, something would be revealed to me that I would have a change of heart or some such thing and I would abandon the project. So, I have a number of hunks of wire and cable of various descriptions around my "shack". A lot of the things I've seen for sale in the amateur radio commercial publications have looked good to me until learning the price...

This manufacturer suggests a particular lightning arrester which I figured would be a good idea.... It was another one of those "pricey" items, so I settled for one of those "Blitz-Bugs" instead.

I assembled the antenna in my shack (a corner of our basement) in sections, taking great pains to measure everything very exactly. An when I erected it, it worked. But before going into that, the antenna's supplier suggested that if I was going to have a ground-mounted installation, that I should at least put a snow fence around the base to keep children and pets away to insure that no one could get an RF burn. Did you ever try to buy something out of season in April, but eventually I found a building materials store in the East end of Ottawa that had the short length I wanted at a very decent price. I put in a "T" shaped (cross-section) fence post in the conventional way to hold this fence in a tight little circle around the base of the antenna. A couple weeks later I decided that this fence post was too far from the mast making

one side of the fence too near the antenna, so I jacked up the fence post with a vice clamped to a narrow section of the "T" fence post and moved it over and drove it back down again. Snow fences are rather floppy, so I will have to put in another fence post to support the other side.

Against the advice of Russ FSN during our radio course last year, I bought some of that Brand "X" lossy coax about a year ago. So far it is doing the job. I won't be surprised if it fails me since I have a better understanding of such things now than then. So, what have I got to lose, for now at least? I still have a lot of it left since I bought 100'. So, from the base of the ant.- to the place where it goes up to where it enters the house, I put it about 1-2" under the ground (under the sod over to the foundation of the house and under the sod there along the foundation to a point under the vent outlet from over the kitchen stove and down through a small hole behind the stove to the basement and over to the location of my station). Taking the advice from various antenna books, I sealed up the fittings around the base of the antenna to prevent moisture penetration into the coax.

My first QSO's were on the 40m band and in the US Novice section.

On my first Saturday afterwards, I spent the entire day pruning and tuning the antenna. I went up and pruned and down and tuned at least 16 times. Generally, I made everything about a foot shorter, and there is still more to do. I have worked on it once since then, and had a QSO with a VE3FTD in Binbrook for my first QSO on 80m. I've had the antenna down for adjustments on the section above what I can safely reach from my step ladder and back up again maybe four times. I was thinking, "I'm glad I didn't put this up on the peak of a roof or somewhere similar".

After all this, I spent a lot of time putting my records of QSO's down in my log books etc. And so another page of my life as an amateur has been turned. And then those other pressing and distracting activities started taking my time away from radio interests that I mentioned at the beginning of this article. Like the duties of the OVMRC Accounting Officer, preparations for the OVMRC Auction, the Flea Market itself, accounting the income and expenses of these things. An enjoying various programs of my C-64. And getting patio stones for a project in the backyard. And getting the boys' bikes down and putting back into riding condition. Etcetera, etcetera, etcetera. You all know how it goes....

73, Vance VE3OAO

VE3JW SCIENCE & TECH MUSEUM

VE3JW has been a veritable beehive of activity in the last month. I am very pleased (and grateful) for the support that is being given to the station.

Each weekend we have crossed a few more items off the list of things to do.

Rick VE3HVA took down old 40/80 meter wire antennas, and good heavy-duty new ones were installed (and tuned!). The signal reports have been favourable.

Mike VE3LAR assembled and installed the new Ringo Ranger two-meter antenna. Now we're just waiting for the supplier to send the proper power supply for the rig.

Hugo VE3KTN has shown dedication above and beyond the call of duty in handling the beam problems. It has been taken down, cleaned and re-assembled. Hugo is working on a proper balun which we hope to install this weekend.

Dave VE3JTZ has fearlessly attacked problems in the HF rig, the linear amp, the mic, and anything else that has come up or down - like his FT 208 which came down from the tower a bit too quickly. Fred VE3NJJ, Bob VE3MPG, Pete VE3LBW, Scott VE3MPE, Lloyd VE3AYE and Pat VE3KJQ have all been out regularly to lend a helping hand. We've even had unscheduled help from Dave VE2ZP who wandered over to help straighten out the shack and the QSL's, and from Keith VE3KLB who heard us talking on the repeater and brought an extra safety belt (and himself) for the afternoon.

All of these people have done a great service by spreading out the work between them, and the club and community will benefit from it.

In response to our efforts, the museum has shown its good will. Ernie Da Coste has managed to get us new chairs (upholstered ones, with wheels - now will you come and run COMSONT Bob?), new lights, a two meter rig, a new key, and everything else that we've asked for. The museum security staff is getting used to our presence, too, and have been quite accommodating. This has all made our work easier.

It is very gratifying to work with such an energetic group of hams. I want to encourage everyone else to get involved with VE3JW. You can choose how much you want to contribute. There will always be some work to do on the station, but if you're not technically inclined you can operate as frequently or infrequently as you wish.

Our next projects are to design and build a sign for the station, and to get the Slow Scan System up and running again. The guy wires will have to be overhauled before the next snow fall, too.

If you would like to operate VE3JW, or would like to help on one of the projects, call me at 722-8130, Pat VE3KJQ at 725-1528, or Lloyd VE3AYE at 722-5431. I think you'll find it a rewarding experience.

Alan VE3LNH

FROM CRRL NEWS

DOC has advised CRRL that "...we are considering the possibility of removing most if not all of the present subband restrictions contained in the Regulations. To that end we expect to publish a notice in the Canada Gazette, Part 1, in the relatively near future, inviting the comments of amateurs and other interested persons on such a proposal. In the normal course of events, this project may be completed by 1986. "Removal of the subband restrictions would allow Canadian amateurs to operate cw, phone or RTTY anywhere on the amateur bands, subject only to "gentleman's agreement". This would certainly be a comprehensive solution to imminent U.S. phone band expansion on 10, 15 and 75 metres, but could create other problems. Amateurs will need to think carefully about any such proposal.

SPRING AT LAST (This article should have been in last issue)

After what seems to have been a long winter there are at last, sure signs of better weather ahead. The snow has disappeared at an amazing rate in the past 10 days or so. Now we can plan to fix, modify and build all of those outdoor projects that got stopped by the advent of ice and snow back in November. This year for sure we will raise the 80 metre antenna from 15 ft. above ground to a more respectable height, and the forty metre dipole, I guess we'll have to do something about that too. I don't dare cut another three feet off the top of the spruce tree that grows just under the far end of the antenna. I did that 2 years ago as an interim measure until I raised the thing a few feet - that was in last summers plans which somehow didn't get off the drawing board. This year for sure. Did you know that if you cut the top off a spruce tree you soon have two spires instead of one as the tree continues to grow? I guess we'll have to do some work on the tower too. Tidy up the feedline and rota cables and check the ground straps. For sure the ground will be checked as we apparently took a lightning strike last summer. One day last fall when looking up at the beam I saw that the end of the boom was all black. Closer examination with binoculars led me to the conclusion that lightning must have struck sometime last summer. We have followed the precaution of grounding all the antennas when we are away or when there is thunderstorm activity. I hope to get a good close up photo of the antenna. We'll bring it along to the club when we do so. Yes indeed there are all sorts of good things to do outside as the weather warms up. But, be sure to plan ahead so you will have a record of what you forgot to do when the snow comes again next November.

73
Jerry VE3CDS

OVMRC AUCTION
REVENUE

30 Flea Market Tables \$5.00 each.....	\$150.00
7 Commercial Tables \$10.00 each.....	70.00
Sales from OVMRC's Flea Market Table.....	77.30
Club proceeds from the auction only.....	110.24
154 Raffle tickets 25 cents each.....	38.50
Canteen Profit.....	146.41
Miscellaneous donations of cash.....	8.75
TOTAL	\$601.20

EXPENSES:

Paper, carbonless, for Auction forms.....	18.22
Art card for posting the Auction Rules.....	2.54
"Out-of-cash-box" expense to the janitor to clean-up for us afterwards	10.00
Rental fee for the Hall.....	66.66
TOTAL	\$97.42

REVENUE OVER EXPENSES:

\$503.78
Vance Johnson
VE30AO

FROM CARF NEWS SERVICE

Although the last of the LORAN A navigation aid stations are now off the 160 metre band the FCC has removed power restrictions on U.S. Amateur stations, the DOC regulations still show them. An amendment to remove them could take months as even those proposed more than two years ago are still not okayed. In the meantime, however, 160 metre operators may take advantage of a little-known section of the regs which permits the Minister to waive the power restrictions on a station if the Amateur requests it. CARF is asking the Minister to issue a blanket waiver in this matter. This would save work on the part of the Department's field operations and cut out any red tape and waiting for individual waivers under Section 43 (3) of the Regs. Part 2.

The CARF request to the Radio Advisory Board of Canada to take action on the problem of cable TV interference has resulted in an official RABC working group being established to find means of meeting this important issue. The interference committee of the Board met in Toronto on April 4th and after considerable discussion on a proposal presented by CARF representative ART STARK, VE3ZS, it came up with a working group chaired by DOC and composed of CARF, CRRL and Canadian Cable Television Association representatives. The interference committee is composed of senior DOC officials, spectrum user association representatives and CARF, CRRL and CCTVA delegates.

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FIRST CLASS

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