Rec'd Sept. 13/95


# THE OVMRC RAMBLER

Volume 40, Number 2 - September, 1995


## Deserved Recognition

The Rambler has learned that one of the OVMRC's Life Members, Bill Wilson, VE3NR, has been truly honoured by his peers with his nomination to the Amateur Radio Hall of Fame.

Such a nomination is one of the highest compliments that can be paid an individual. It is a most deserved honour for Bill who has devoted both his working life and his avocation to furthering amateur radio for the betterment of all Canadian amateurs.

On behalf of all your friends, the OVMRC and Canadian amateurs generally, congratulations Bill !

## Flea Market Activity

There are still a few clubs left who schedule their flea market in the fall. The Rambler is pleased to provide a list of those of which we are aware.

Sept. 16th - Kingston ARC's 11th Annual Eastern Ontario Fleamarket at St. Margaret's United Church, 690 Sir John A. Macdonald Blvd. (take Exit 615 off Highway 401. Talk-in on 146.340+.

Oct. 21st - Quinte ARC at Veteran's Association, Elmwood Drive, Belleville. (first road east of Belleville off Highway #2. Talk-in 146.835-.

Oct. 21st - West Island ARC Fall Auction, Transfiguration of Our Lord Church, Ville St. Laurent, Quebec.

## Fall Season of Net Activities Started

The fall season, for all intent and purposes, has arrived and with it the return of activities on the various OVMRC nets, the Welcome Mat Net on Wednesday evenings at 7:30pm, the Wise Owl Net each Friday evening at 8:00pm , and the Young Amateurs of Canada Net each Sunday evening at 7:00pm, all of which take place on the OVMRC's repeater VE3TWO. On Sunday mornings, it's the Pot Whole Net on HF.

7:00 p.m.

During the month of August the Welcome Mat Net registered two new preecedents. On the August 9th net, Mark, VA3MEV, was recorded as the four thousanth check-in on the net. While relatively young in years, the Welcome Mat Net has proved to be a very popular informal ragchew type net. Net Controller for the August 9th net was Larry, VE3WEH.

One week later, August 16th, another first was recorded when the Welcome Mat Net went Marine Mobile Net Control. Net Controller was Maurice Andre, VE3VIG, who conducted the net from his brand new 1996 24 foot Bayliner cabin cruiser. He had it anchored just off of Mooney's Bay in the Rideau River. Maurice Andre commented that it was a really fun net.

The Pot Whole Net on HF which is on frequency each Sunday morning is looking for volunteer Net Controllers. Anyone interested in participating is asked to contact Jacques, VE3TSC, any evening at 748-6597

The Ottawa Valley Mobile Radio Club

# RAMBLER

The Rambler is published monthly by:
The OVMRC
Box 5530, Station F
Ottawa, Ontario
Canada K2C 3M1



## The 1995-1996 OVMRC Executive

| | |
|---|---|
| President: | Ernie Jury, VE3EJJ, 728-3666 |
| Vice-President: | Steve Middleton, VE3RUU, 731-6749 |
| Treasurer: | Colin Finlayson, VE3UZU, 722-4452 |
| Secretary: | Roger Rose, VE3XRR, 741-9847 |

## Standing Committee Chairs

Amateur Radio Exhibit: Jerry Wells, VE3CDS, 225-7374
Amateur Radio Training: John Moffat, VE3NJ, 224-5204
Field Day: Vacant
Flea Market: Ed Strange, VA3CEJ, 828-7435
Historical: Mike Beausoleil, VE3BGP,739-8871 & Larry Wilcox. VE3WEH, 747-5565
Membership: Gordon Beatty, VA3GRB, 722-4675
Newsletter: Dan Doctor, VE3XDD, 745-9214
Publicity & Programs: Moe Cluff, VE3CTD & Leonard Chodat,VE3LPH,733-5122
Radio Operations: Jacques Choquette,VE3TSC,748-6597
Technical: Bob Shaw, VE3SUY, 737-9443
Novice: Joe Donneley, VA3JJD, 488-3112

## OVMRC Life Members

| | |
|---|---|
| Ralph Cameron, | VE3BBM |
| Doug Carswell, | VE3ATY |
| Gerry King, | VE3GK |
| Fred Noble, | VE3BAJ |
| Jerry Wells, | VE3CDS |
| Bill Wilson, | VE3NR |

## Joining or Renewing RAC Membership

When joining or renewing your membership in RAC, remember to quote "OTT-101" on your application. This will reimburse the OVMRC $3 of your RAC membership dues which will be passed back to you in the form of a credit on your next year's OVMRC dues.

## *Mark Your Calendar !*
### *Next general meeting:*

Thursday, September 21st at 1930 hours in the main auditorium of the Museum of Science and Technology. You are in for a real treat when Syd Horne, VE3EGO, make his presentation on amateur satellites. He uses non technical language and an illustrative video of his station.

## *Deadline for next Rambler:*

Friday, September 29th, 1995.

## OVMRC's Repeater:
## VE3TWO , 147.300MHz (+)
## 444.200MHz (+)

## Affiliated Clubs

The OVMRC exchanges newsletters with the following organizations:

Algoma ARC, Sault Ste Marie, ON
Augusta Amateur Radio Assoc.Augusta,ME
Border City Radio Club, Windsor, ON
Chatham-Kent ARC Inc. Chatham, ON
Calgary Amateur Radio Assoc. Calgary AB
Comox Valley ARC, Comox, B.C.
Halifax ARC, Halifax, N.S.
Heritage ARC, Cobourg, ON
Kingston ARC, Kingston, ON
Lambton County ARC, Sarnia, ON
London ARC, London, ON
Metroflex ACA , New York
Ottawa ARC, Ottawa, ON
Pioneer ARC, Nepean, ON
RAC, Kingston, ON
Scarborough ARC Inc. Scarborough, ON
Seaway Valley ARC, Cornwall, ON
Smiths Falls ARC, Smiths Falls, ON
Sudbury ARC, Sudbury, ON
Surey ARC, Surrey, B.C.
Saskatoon ARC, Saskatoon, SK
Thousand Island ARC, Brockville, ON
West Island ARC, Dorval, PQ
Winnipeg ARC, Winnipeg, MAN

## Sponsors

The OVMRC provides newsletters to the following organizations for their past support of our activities:

Bytown Marine, Ottawa, ON
Kenwood Electronics Canada Inc. Mississauga, ON
Corel Corporation, Ottawa, ON

***The OVMRC gratefully acknowledge the support of the Corel Corporation in producing the Rambler.***

# Ramblings

*Our President, Ernie Jury, VE3EJJ, would like you to know...*

Welcome back, I hope everyone has had a good and rewarding summer. I certainly have, and a busy one too. There have been a few local occurrences of interest. Perhaps the most notable was the visit to Ottawa of 4 Russian radio amateurs from Siberia, 2 of them accompanied by their wives. They were sponsored by the Thunder Bay ARC to a 2 to 3 week visit in the Thunder Bay area. Because they arrived in Mirabel late in the afternoon, we were asked to provide them with billets for the first night before they proceeded to Thunder Bay by road. In spite of it being the height of the vacation season, club members rose to the challenge and the needed accommodation was arranged. Late in June, an opportunity to get telescoping 34' metal masts from the Montreal area presented itself and about 25 area amateurs availed themselves of it through a group buy. This could probably be repeated if a minimum group order of 20 can be generated. Another occurrence of interest is the acquisition of about 4 shelf feet of older test equipment documentation by Len, VE3LGZ. He is making the manuals available to radio amateurs in the area at a very nominal price, the proceeds coming to the club. Our thanks Len for both undertaking a very worthwhile project and giving a needed donation.

It is with a sense of partial relief that I report that Ed Strange, VA3CEJ, has volunteered to take on the Flea Market chair responsibilities for '95/'96. He was duly appointed at the recent executive meeting. Welcome aboard Ed. I used the term "partial relief" because we are still in need of a chair person for Field Day, and an Associate Editor to work with Dan, VE3XDD, so as to learn the software and publishing arrangements. Anyone interested in either of these positions, please contact myself or one of the other members of the executive.

Jerry Wells, VE3CDS, is organizing a list of operators qualified to have access to, and operate the Museum demonstration station, VE3JW. The procedure involves having a familiarization session at the station and completing a few forms necessary for a low level security check by the Museum. Anyone interested in operating the Museum station should contact Jerry at 225-7374.

The club has been approached about taking a greater position in the 6 metre repeater, now located at the VE3TWO site but owned by members of the 6 metre interest group. If you have any views on this matter, please communicate them to Bob, VE3SUY, or Larry, VE3WEH.

On the subject of repeaters, there is good news and bad news concerning the 70 cm transmitter we had hoped to have in service during the summer. The good news is that it was received. The bad news, in a damaged condition. It has been returned to the manufacturer for repair and calibration check. We will have to be patient a little longer.

As we indicated last June, the code phone in its present guise has been discontinued. A much lower cost version of it will be available in time for use by this year's students and others. The new number will be published on the club nets and in the Rambler.

Continued on next page

# Ramblings

Continued from previous page

The budget passed last June was cast on the basis of 200 members and 9 issues of the Rambler during the year. The needed amendment to the club bylaw reducing the number of Rambler issues from 11 to 9 was not accepted by the general membership. It will therefore be necessary to consider a supplementary budget. This is planned for later in the fall when the membership renewal exercise is completed and we have a much better idea of anticipated revenues and expenses. The membership chair, Gordon, VA3GRB, advises that about half of the members have renewed to date.

Part of our financial problem last year was that we carried many members who had not renewed for several months, running up mailing costs and incurring a loss in those cases were they did not renew. This year the renewal notices are being sent out with this issue so as to forestal the problem before it gets started. This action will help also in getting out a much needed membership directory as soon as possible.

It is noted that the level of membership has declined somewhat over the past 2 years. As a first response to this problem, I would ask that each and every one of you use your persuasive powers during the next month to convince at least one non-member to join the club.

We are starting the '95/'96 year with a very interesting address on the use of amateur satellites, arranged by our new Program and Publicity chair, Len, VE3LPH, and his associate, Moe, VE3CTD. I hope to see you all at the first meeting of the season on Thursday, 21 September, when we can all learn about what satellites have to offer the hobby

# Did You Know ?

In the late 1960's, the OVMRC supported many public events by providing communications to "Shinerama" for the Canadian Cystic Fibrosis Foundation and for "Miles for Millions" walks organized by the St. John Ambulance.

# We Get Letters

I was quite surprised when informed that a plaque was to be awarded to me by the OVMRC at the June meeting. I was even more surprised, and pleased when I received it. Its quite a nice piece of work.

Its always pleasant when some of the work you do gets noticed, especially when that recognition comes from a group of people that mean something to you. It makes it just a bit easier to keep on going when part of you says "enough already" . The award now hangs in a significant spot in my front hall.

Thanks you all,

Mike Kelly, VE3FFK.

# From The Wise Owl Net

Written by Leo Desjardin, VE3NVL

On September 2, 1994, the Wise Owl Net resumed operation for another season. The net operated until June 23, 1995. During this period there were 43 nets for a total net time of 2770 minutes or 46.17 hours. A special net was run on December 25th, Xmas morning, aand was controlled by Sydney, VE3GVI.

From January 20 to March 31, 1995, eleven qualifying nets were run for Class A and B Wise Owl Certificates. There were 27 recipients of a Class A and 12 recipients of a Class B Certificate. A special thank you to Chuck, VE3PDK, for designing the Wise Owl Certificates.

The Wise Owl Net was off the air for the months of July and August but resumed normal operations on Friday, September 1st at 2000 hours on repeater VE3TWO. This is your net, together, let us make it bigger and better.

I wish to acknowledge and thank the following amateur for acting as net controllers during 1994/95: David, VE3ZZU; Jacques, VE3TSC; Ed, VE3VLF; Larry, VE3WEH; Leonard, VE3LPH and Jake, VE2TQX.

Thanks guys, you did a super job !

It's

# The OVMRC

# MEMBERSHIP RENEWAL TIME

**It's that time of year again ! Yes, it's time to renew your Club membership for the 1995 - 1996 season. Be a member of the OVMRC and enjoy what is sure to be an interesting, informative and entertaining program of guest speakers and events in the coming year. Don't miss out on all the fun - complete the renewal form at the bottom of this page and, along with your cheque, mail them to the Club's postal box. This procedure will ensure the uninterupted delivery of your monthly issue of the Rambler, the inclusion of the your name in the Club's Directory of Members (to be issued early in the new program year), and help eliminate having a long line of members waiting to register and renew their membership at the registration desk before meetings. Please note the revised membership dues which came into effect as of July 1, 1995:**

**(1) Full membership with the Rambler mailed to your residence each month.....$25/year.**

**(2) Full membership and receiving the Rambler by one of the alternate methods provided by the Club other than delivery by Canada Post.....$20/year**

***THE OVMRC MEMBERSHIP YEAR IS JULY 1ST TO JUNE 30TH***

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# OVMRC Membership Application

Ottawa Valley Mobile Radio Club Inc.
Box 5530, Station F, Ottawa, ON K2C 3M1

- The membership year starts in July and runs to June 30 of the following year.
- Regular membership is only open to licensed amateurs.
- Associate membership is open to all radio enthusiasts.
- The family rate is for second and subsequent members of the same family living at the same address.

| Call Sign | Surname | Preferred First Name | Date |
|---|---|---|---|
| Mailing Address | | Apartment Number | BBN |
| City | Province | Postal Code | |
| Home Phone ___-___-____ | Work Phone ___-___-____ | | Amount Enclosed $ |

___ One year membership. Regular or Associate, includes mailed Rambler - $25/year
___ One year membership. Regular or Associate, without mailed Rambler - $20/year
___ Family rate. For family of current members. No mailed Rambler - $ 5/year

☐ Cheque ☐ Cash

# Toroids

Written by Ralph Cameron, VE3BBM

Toroid cores shaped like donuts and made of magnetic material are used to externally suppress most common mode RF currents that flow in conductors of any kind, exposed to RF fields. Once this energy gets inside consumer electronics it can cause impaired operation or malfunction. Toroidal cores are not new, in fact just about every computer display monitor makes use of a specially designed core that clamps over the power cable, just as it exists the cabinet. This is done to prevent the same type of energy from re-radiating harmful spurious signals that disrupt communications. Such suppression is required by the Digital Emission regulations from Industry Canada.

What comes out of such devices can also provide a gateway for amateur signals to get in, unless some means are taken to reject the unwanted energy. The energy is a consequence of coupling and in most circumstances reducing power is ineffective, when the consumer device lacks any form of suppression.

Experience has shown, in the majority of cases, that for the average problem about 20dB of suppression is adequate to reduce the effect to being one which can be tolerated. Toroids can provide this kind of suppression, over the 1.8 to 30 Mhz range. They are non-intrusive, removable, non flammable, and represent a small investment for continued operating enjoyment. You only need the permission of the affected neighbour to try one. Better still, call a club member who has experience handling emi. These issues can raise relational problems, if not handled properly. How the toroid is applied can mean the difference between effective use and no result.

Three inch o.d. toroids with suitable broadband characteristics will be available in large supply for local members and other clubs. Price will be at my cost and is expected to be in the vicinity of $6-$7 each. Final price to be determined when shipping costs are known. There is no element of profit and no refunds. This offer is made as a service to Canadian Amateurs only.

Some six foot line cords incorporating a toroid will be available for the cost of the cord plus a small handling charge. These are very convenient for use in isolating which appliance is radio sensitive. These can be made to order at any time; otherwise, watch the flea markets.

If you have a problem - act fast - you can be part of the solution - contact me, Ralph Cameron, telephone (613) 825-1634 ; packet VE3BBM@VE3FD; and on internet-ralph.cameron@takeone.com

# Kenwood To Your Rescue

The Rambler has received notice from the Kenwodd Corporation that they are very sensitive to the requirements of their customers regardless of whether you have just purchased a new radio or you have owned the same radio for the past ten or fifteen years. If you are having difficulty locating a manual for your radio Kenwood suggests the following. Most manuals are available from their Authorized Parts Distributors and many very old manuals are still available through Howard Sam's , telephone 1 - 800 - 428 - 7267. If neither of the foregoing sources can provide you with a manual, you are invited to write directly to following , who will find a manual for you:

Paul , KD6NUH
Kenwood Amateur Radio Group,
P.O. Box 22745
Long Beach, CA 90801

# Bad Computers Attacked

In a recent issue of the Wall Street Journal, computer guru Walter Mossberg launched a scathing attack on the computer industry for not getting its act together. He finds no excuse for its foisting off defective hardware and software on computer users - and then getting obscenely rich in the process of milking us with upgrades, revisions, and new versions. He especially deplores disguising defects with such cutesy terms as "bugs"
He makes the point that we are not dealing with "romantic little California garage start-ups," but with huge corporations. For example, with only eight percent of the computer market, Apple rakes in $7 billion a year.
The recent Pentium chip fiasco brought the issue to a head, Mossberg points out, along with the failure of so many tax preparation programs to work properly. And horror of horrors, the zillions of families who discovered on Christmas morning that Disney's "Lion King" CD-ROM did not work.
Mossberg urges computer users to get angry, and to treat computer products like the competitive consumer items they are. If something doesn't work - whether software or even the whole blasted computer - and if the company can't supply a quick and easy remedy, send it back for a refund and buy their competitor's product. At the very least, he says, tell everyone you know to avoid that brand of machine.
"That's the way markets work, and that's the environment into which we must force the computer business," Mossberg continues. "Spare us the technical jargon about "bugs" and "incompatibilities." Just make it work right the first time around !

It's time to get a new hobby when...you are saying grace over a meal with your family, and you finish by saying, "VE3XXX clear, er, Amen !

# Rig Abuse By Power Supply ?

**QUESTION:** Can a power supply damage my radio equipment ?

**SHORT ANSWER:** Yes, if it fails.

**LONG ANSWER:** Transistors generally fail when shorted. When a "series-pass" transistor in a regulated power supply shorts, it connects your equipment to the full unregulated voltage across the supply's reservoir capacitor.
Most transceivers and PA's designed to operate on "12 volts" operate from about 10 to 14 volts. They don't take kindly to 18 to 20 volts. Some high quality power supplies incorporate "crowbar" protection, using an independent circuit to monitor the output voltage, and - if that voltage exceeds a preset value - trigger a thyristor (SCR) that shorts the power supply output. This protects the load ( and typically blows the power supply's fuse).
In a power supply for an expensive transceiver, crowbar protection makes sense.

**QUESTION:** What happens if I short-circuit my power supply ?

**ANSWER:** That's a good question to ask before you buy a power supply, and ask for a demonstration. Sooner or later, you'll short-circuit any power supply you buy. If it can't hack a simple short without self destructing, don't buy it.
Electronic over-current protection is inexpensive with modern regulator ICs; they include all the functions necessary to protect both themselves and the load. But cheap-and-dirty power supplies may not have electronic protection, leaving an input fuse as their only line of defense.
So to provide your transceiver maximum safety, get a power supply that features electronic overload protection and a crowbar on its output.

# VE3ONT - 10 Ghz EME Contest

Written by Jacques Choquette, VE3TSC

The unknown status of the 46M radio astronomy dish at Alguonquin Park, Ontario resulted in a delay which was put to good use by some amateurs. Last month (Aug 18-20), the VE3ONT earth-moon-earth (EME) crew were active in a 10 Ghz ARRL contest at that site. A member of our club, Elaine Fortin VE3UXZ, who had visited that site last year was intrigued enough to take the iniative to participate with the group that weekend.

The result of their efforts were a little bit less than they had hoped for due to some unforeseen equipment problems ( the site IS 30 years old!!). The schedule was as follows: Fri. - setup, Sat. - moon mapping, Sat/Sun - search for contacts. Moon mapping is where they use the dish tracking mechanism to aim its beam at various parts on the moon's surface.

At 10 Ghz the signal width is very narrow and only covers a small portion of the moon (similar to shining a flashlight on a wall). The dish emits a signal only 2.4 arc minutes wide onto a moon which is 30 arc minutes across. The main reason for moving the beam was to check for an area that would give the best reflected signal. Apparently the Tycho crater is considered a "hot spot" for strong returns. The crew were hoping to listen to these echoes and move the dish to find the best spot.

This was cancelled due to the dish tracking controls being sporadic. At times they were sticking, then taking off in a surge. So control had to be done manually between 2 people. While one was reading the settings given by Real Track software on a laptop, the other was adjusting and handling the dish controls. Echoes were at about 20-30 dB gain (3-5 'S' units) but the malfunctioning computer mechanism provided imprecise results useless for dependable mapping. Also some pre-amplifiers that were giving receiving problems had to be "tweaked" for better results. Still, 14 contacts were made on that Sunday.

The dish (72 dBi gain) was fed with a rare 100W amplifier (you calculate the ERP!). There was 2 HF transceivers in the control cabin - one rig for calling CQ, the other used to search for signals. Due to the doppler effect and possible frequency calibration errors one had to look on either side of the transmitted signal (10386.1 Mhz). The HF set was on 10M linked to a transverter to step the signal up to 10 Ghz. The steering was controlled by signals sent from the control room computer.

For those wishing to embark in such a venture there are 2 ways - set up your own station or be part of the VE3ONT crew. A station can be set up with minimal power and equipment depending on the frequency you wish to operate. If you wish to be part of a crew, visitors are invited to the October weekend with good chances of helping out in November. An asset is being able to listen to weak CW signals, if not you can help in other ways. You can still have a good time while learning something.

The next EME contest dates are Oct 6-8 (1 1/2M, 2M, 6M, 1.2 Ghz) and Nov 3-5 (2M, 70 cm). If interested contact either Dennis VE3ASO in Mountain, Ont. or Elaine VE3UXZ in Ottawa. Do not be shy! Proof of this is that 3 local hams had visited the site. If anything, you could always try receiving their signals at home.

Overall, with all the technical difficulties experienced during the weekend, they did well. While overcoming the barriers to get all their equipment working, several contacts were made and experience was acquired to be used the next time.

# Hurricane Luis HF Frequencies

The following frequencies are reportedly being used to pass information about hurricane Luis:

14.268 Mhz - United Nations Net

14.283 Mhz - Caribbean Connection Net
Net Control - 6Y5RP Rooney Polack,

14.325 Mhz - Hurricane Central Watch

14.410 - Mhz - Emergency Net , St. Maartin

# Fuses and Breakers

Written by Mike Kelly, VE3FFK

You may wish to consider this additional information as a sequel to the article which appeared in the August Rambler.
In addition to the types of fuses mentioned in the August article, these days one is likely to come across fuses that look like quarter watt resistors. The most common kind are called "Picofuses" (A brand name that has come to be used as a generic name, such as "Kleenex" ). There are also slightly larger types which look like little cylinders with radial leads. The "newer" automotive fuses, the ones with the two radial blades and colour coded plastic bodies, seem to come in slightly different varieties. Do yourself a favour and get the type with holes on top so you can probe them with your meter. Newer equipment, the surplus of tomorrow, if you like, has surface mount fuses in it. Replacing them without melting the fuse element is going to be a real challenge.
Don't substitute a 250 Volt fuse for a 23 Volt one. The 32 Volt fuse has been designed to have a low resistance, so that when carrying its rated current, there won't be much voltage drop across the fuse. The 250 Volt fuse has been designed to break the arc that forms when it is shorted. The higher voltage fuse may have a volt or so of drop across it when carrying its rated current. Sometimes these fuses have ceramic, rather than glass bodies to reduce the chance of having the fuse body shatter under the heat produced during an overcurrent. By the way, the sand that you find in some fuses is also there to cool and break the arc that forms when something goes wrong in your circuit.
When designing a fuse into a system you are building, remember that the fuse rating and time to blow are a function of temperature. A fuse may be designed to carry 100 percent of its rated current for 10,000 hours and 125 percent for an hour, but that is valid only for a particular temperature. If you put the fuse holder right beside the heatsink, and put the whole thing in the sunshine in August, you are asking for headaches. Try to get the manufacturers full databook if you can.

You may find another type of protection device these days. They are called positive temperature coefficient resistors. They look very much like capacitors, except that you will find them in SERIES with the D.C. supply line. These things are made of a mixture of conductive particles in plastic. When the current exceeds a certain limit, the plastic heats and expands slightly. The metal particles are then separated from each other, and the resistance of the device rises. It will stay high until the cause of the overcurrent is removed. Once the circuit is restored to normal operation, the PTC resistor returns automatically to its conducting state without having to be reset or replaced.

73, and may your fuses (and circuits) never blow.

# Bytown Marine In A New Location

Ottawa's amateur radio store, Bytown Marine, has moved to new, larger premises. Graham Walker, who extends a most cordial invitation to all amateurs to visit their new showroom and store, has advised the Rambler that their new store is located in the West Hunt Club Business Park in the Prince of Wales and Hunt Club Road area - specifically, in #5, Unit 4, Corvus Court in Nepean. Bytown Marine also has a new phone number, 723-8424 and their fax number is 723-0212. Graham also pointed out that their new business hours are 10:00 am to 6:00 pm Monday to Friday, 9:00 am to 1:00pm on Saturdays. And, by the way, there is plenty of free parking.

Industry Canada has recently printed a new, colourful "Frequency Allocations Chart" which is available for the asking. For your free copy, telephone the distribution centre of the Communications Branch here in Ottawa at 947-7466.

CONSULTING SERVICE

# TAETZ

4016 Leitrim Rd. Gloucester ON K1G 3N4 (613)822-0937

Ottawa Valley Mobile Radio Club
Box 5530, Postal Station F
Ottawa ON K2C 3M1

August 30, 1995

RE: CLUB ACCOUNT AUDIT

Having examined the Club accounts I find them to be in order and to reflect the normal operations of Club business for the Fiscal Year 1994/1995. Normal entries have been checked and verified and comply with normal Club activities.

Sincerely

Judy Taetz
VE3PAB

cc Treasurer
cc Rambler Editor
cc Club President

O.V.M.R.C.

INCOME Jul 1,1994 TO Jun 30,1995

## REVENUE

| | | |
|---|---|---|
| **INCOME** | | |
| Field Income | 39.32 | |
| Accrued Memberships 94/95 | 0.00 | |
| Memberships | 2,749.30 | |
| Fleamarket Sales | 2,179.55 | |
| Fleamarket Raffle | 125.00 | |
| Equipment Loan Deposit | 0.00 | |
| Donations | 0.00 | |
| Licence Plate Sales | 0.00 | |
| Bank Interest | 30.93 | |
| Miscellaneous Income | 211.53 | |
| TOTAL CLUB INCOME | | 5,335.63 |
| Course Registration Fee | 4,220.00 | |
| Manual Incomes | 0.00 | |
| Manual Royalty Fees | 2,299.05 | |
| Misc. Course Income | 445.00 | |
| TOTAL COURSE INCOME | | 6,964.05 |
| TOTAL INCOME | | 12,299.68 |
| TOTAL REVENUE | | 12,299.68 |

## EXPENSE

| | | |
|---|---|---|
| **EXPENSES** | | |
| Rambler Supplies | 272.59 | |
| Rambler Postage | 1,326.18 | |
| Rambler Printing | 1,647.65 | |
| Code Telephone | 342.16 | |
| Station Licences | 72.00 | |
| Station Operation(QSL) | 0.00 | |
| Repeater Equipment | 880.31 | |
| Rent for Meetings | 0.00 | |
| Donations | 0.00 | |
| Field Day Expense | 500.00 | |
| Membership(Awards,etc.) | 46.98 | |
| Name Tags | 134.08 | |
| Insurance | 928.80 | |
| Office Supplies | 9.02 | |
| Raffle Expense | 0.00 | |
| Fleamarket Expense | 1,217.95 | |
| Licence Plate Holders | 0.00 | |
| Club Promotional Expense | 838.99 | |
| Bank Charges | 61.30 | |
| Miscellaneous Expenses | 115.70 | |
| TOTAL CLUB EXPENSE | | 8,393.71 |
| Course Supplies | 4,001.92 | |
| Course Classroom Rent | 0.00 | |
| Instructor Honoraria | 550.00 | |
| Manual Expenses | 1,027.20 | |
| Miscellaneous Expense | 0.00 | |
| TOTAL COURSE EXPENSE | | 5,579.12 |
| TOTAL EXPENSES | | 13,972.83 |
| TOTAL EXPENSE | | 13,972.83 |
| INCOME | | 1,673.15- |

BALANCE SHEET Jun 30,1995

## ASSETS

| | | |
|---|---|---|
| **CURRENT ASSETS** | | |
| Bank Club A/C 5314075 | 859.63 | |
| Bank Course A/C 5314075 | 3,458.95 | |
| Repeater Allotment | 465.53 | |
| Bank Account: Net | | 4,784.11 |
| Petty Cash | 0.00 | |
| Cash: Net | | 0.00 |
| Miscellaneous Receivables | 0.00 | |
| Receivable Field Day OARC | 0.00 | |
| Receivables: Net | | 0.00 |
| Furniture & Equipment | 2,485.42 | |
| Inventory - Equipment | 0.00 | |
| Fixed Assets: Net | | 2,485.42 |
| TOTAL CURRENT ASSETS | | 7,269.53 |
| TOTAL ASSETS | | 7,269.53 |

## LIABILITIES

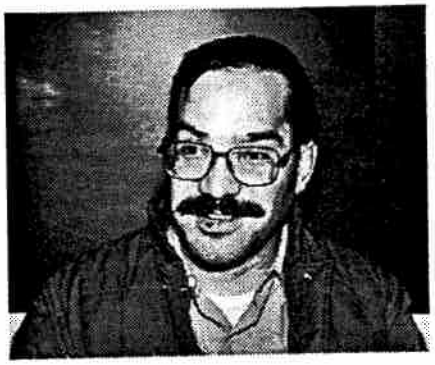
| | | |
|---|---|---|
| **CURRENT LIABILITIES** | | |
| 95/96 Memberships | | 555.00 |
| TOTAL LIABILITIES | | 555.00 |
| TOTAL LIABILITIES | | 555.00 |

## EQUITY

| | |
|---|---|
| **EQUITY** | |
| Equit Beginning of Year | 8,387.68 |
| Current Earnings | 1,673.15- |
| Equity to Date | 0.00 |
| Field Day Adjustment | 0.00 |
| TOTAL EQUITY | 6,714.53 |
| TOTAL EQUITY | 6,714.53 |
| LIABILITIES AND EQUITY | 7,269.53 |

# Potpourri

*A sampling of news and comments from newsletters and newspapers from across the country - written by Jacques Choquette, VE3TSC*



Monitoring Times(Aug 95) - It seems that the Georgia Republican, Newt Gingrich has proposed axing the FCC in favour of a new branch to be known as the Office of Communications Policy. Personnel would be cut from 2200 to 250 to oversee frequency allocations, supervise telephone companies, settle disputes, etc. Broadcasters and other holders of FCC licenses would have permanent claim to them with no charge, while future ones would be auctioned. FCC response was "that this was too drastic and impractical" and "private interests should own all the action". The FCC would like to eliminate the over 200K applications for various ship, aircraft, and personal radio gear that they process each year.

Edmonton - Doug Burrows heard a weak mayday from which he managed to get the latitude/longitude. A yacht near California had lost its rudder and was drifting in 24' waves. The ham called the San Francisco US Coast Guard who sent out a Hercules aircraft and Coast Guard cutter.
The interesting aspect of the situation was in how the messages were relayed. Since Doug had difficulty in receiving the ship's calls, he phoned a friend who had a 120' antenna. This turned out to be the amateur radio exhibit at the Edmonton Space/Science Center who relayed traffic between the yacht and the US Coast Guard. (Anyone want to get lost so we could do the same with the Museum gear? - VE3TSC)

Sudbury - A word of warning from some locals who had gone to Dayton. Coming home they were stopped at Canadian Customs and inspected. All their belongings were searched and "criminal" records examined. Basically the catch phrase is "Not to return to this country with items for which you do not have a receipt". If leaving with gear report them and get that "green" card. All this can save you headaches.

New York (USA) - Question: I keep hearing the repeater being keyed over and over again with no one talking. What is that? Answer: That is "kerchunking" which is a form of mental illness, a type of paranoia in which one feels the compulsion to key the repeater so he KNOWS IT'S THERE. This is in case he wishes to talk, which he never does. You must remember he has not gotten that far in therapy. I think there should be another class for such people involving no-code, no theory, with privileges above 3 Ghz and minimum power of 2M Watts. Also the antenna should be in his shack so he KNOWS IT'S THERE.

Montreal - On 24 and 24.8 khz are radio stations NAA, Maine and NLK, Washington. These provide the US Navy link from command on shore to ships, planes and submarines around the world. NAA has 2 million watts output through 75 miles of wire over 715 acres. In winter, 9 million Watts is periodically applied to melt ice build up on the wires.

Calgary - Canada's highest VHF repeater is VE6HWY at 3041 meters (9975') located on Protection Mountain. A helicopter was required for the installation and repeater checks (May 11/95). The snow level that day was anywhere from 18" to 4'. Output is 15W powered by solar charged batteries.
Cornwall - If you are using an external power supply with your handheld and if the radio is not keeping RF off the internal battery line, every time you transmit you will get RF into the power supply. This will put the 12 volts all over the place. Putting a 0.1 microfarad capacitor across the power supply output connector will short out the RF and keep it out of the regulator.