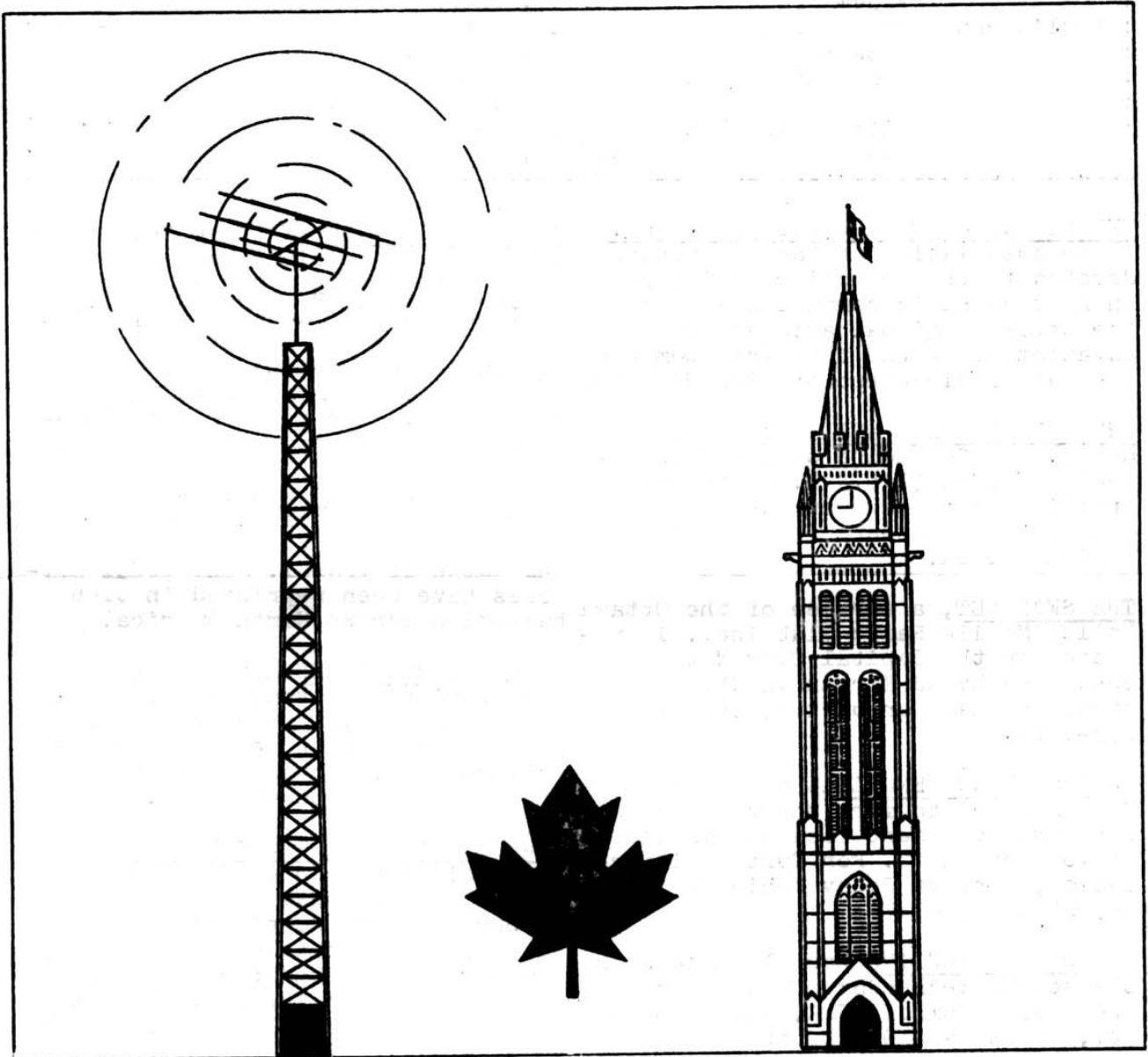


FEB 83

# GROUNDWAVE



Club Call VE3RC Repeater VE2CRA



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THE OTTAWA AMATEUR RADIO CLUB, Inc. is an association of Radio Amateurs devoted to the promotion of interest in Amateur Radio communications in the Ottawa regional area and to the advancement of the technical competence and achievement of Club Members.

THE CAPITAL CITY NET meets every Monday at 2000 hours on the Club repeater VE2CRA (146.34/.94) to pass traffic and to make announcements of interest to Amateurs in the Ottawa regional area.

THE SWAP NET, a service of the Ottawa Valley Mobile Radio Club Inc., is repeated on the Capital City Net and is conducted by Ed Morgan VE3GX. To list items and make enquiries, call Ed at 733-1721.

An ENGRAVING PENCIL is available to Club Members to mark their valuables for positive identification in case of loss or theft. For further information, contact Penny Robinson VE3ERO at 225-1276.

The OARC EXECUTIVE normally meets on the second Wednesday of each month in the Board Room of CFRA, 150 Isabella St., Ottawa at 1930 hours. Contact the President to confirm the date of the next meeting.

RENEW YOUR CARF AND CRRL MEMBERSHIP directly with these organizations, as the Club no longer provides this service to members.

DEADLINE FOR COPY is the first Wednesday of each month.

REGULAR MEETINGS of the OARC, Inc. are held on the first Wednesday of each month (except July and August) at the National Research Council Auditorium, 100 Sussex Drive, Ottawa at 2000 hours. A bulletin board is available for posting notices of interest to other members at about 1915 hours. For further details about the next meeting, see Page 5.

SEE YOUR NAME IN PRINT! -- in National and International publications. Write an article for the GROUNDWAVE and watch it travel! Many local articles have been reprinted in Club bulletins across North America.

MATERIAL PUBLISHED herein does not necessarily represent the official OARC viewpoint. Items may be reprinted by Amateur Radio or similar publications, provided that the proper credit is given to the OARC, Inc.

SAFETY BELTS and TWO METRE RIG are available for loan to Club Members. The 2 metre rig may be borrowed by members who are hospitalized and the safety belts and pole straps by any member (\$100 refundable deposit is required for the latter). For the belts, contact Paul VE3ICV 820-6643 (west end) or Brian VE3JKZ (east end) at 523-1535. Contact the President for the two metre rig.

RADIO AMATEUR CALL BOOKS are available for the use of area amateurs at many of the libraries throughout the region, including downtown and other city libraries, Orleans and Nepean. Enquire at the information desk of your local library for details.

MINUTES OF THE MEETING OF THE  
OTTAWA AMATEUR RADIO CLUB, Inc.

January 5th, 1983

There was a large turnout for the Annual General Meeting, which was called to order at 2007 hours. The following visitors were welcomed: Brian VE3JCS, Guy VE3MSR, VE3MPW, Ron VE3DZG, Bob VE3DUB, Peter VE2DRA and Don VE4AES who just moved to Ottawa.

The minutes of the December meeting were approved as printed in the GROUNDWAVE on a motion by Larry VE3CRX and seconded by Joe VE2DZT.

Gerry VE3GK reported on the Santa Excercise at the Children's Hospital of Eastern Ontario. Members were reminded that the Club sponsored a room at the hospital in 1975, using profits from the RSO convention. With our gift, blood treatment centre furniture was . The Club also provides \$100 per year for maintenance. Eighteen amateurs took part this year with Ron VE3AUM and Bert VE3GCK acted as Santas. CBC taped the proceedings and provided local news coverage. Slides of the activities were shown.

The guest speaker of the evening was John Henry VE2VQ, who gave a most interesting talk on the AMSAT Program. To illustrate the talk on the Phase III launch, he showed some computer generated graphics which illustrated the elliptical orbit. He had implemented some orbital prediction programs on a Sinclair ZX-80 microcomputer. John recommended this as a good choice, low cost microcomputer. The next AMSAT launch is scheduled for the second week in April.

The free draw for members was for a clock which was won by Gordon, VE3JCC.

George VE3BNO reported on plans for the Ski Marathon to be held on the weekend of February 12/13. The assistance of 30-40 amateurs will be

required for one or two days. Two metre operation will be using repeaters VE2RM and VE3CRA as well as 146.52 direct.

George VE3BNO, Dave VE3KMW, John VE3GHO and others are working on the UHF part of the VE2CRA repeater. The cost, so far, is about \$500-\$600.

A request for assistance was made by Larry VE3MYQ to help with his problems with a HW-101. Please call 525--2267 if you can lend a hand.

The Auditor's report (which appears in this issue of the GROUNDWAVE) found the books in good order.

Membership to date is 129, down considerably from last year's total of 300.

Merv VE3CV reported on the December 14th meeting with interested parties concerning repeater linking. It was decided that the link to VE3STP would be established using VE3CPC.

Paul VE3ICV reported that Jim VE3CIJ acted as Santa for the Christmas Eve operation. Jim is leaving for England, where he will make his new home with his XYL. His call there will be G300L, and he will be looking forward to contacts with his Canadian friends. All Club members join in wishing Jim and his wife great happiness in his new home. 73 Jim--we look forward to meeting you on the air.

Members were reminded that the Club has an engraving tool which may be used to mark their equipment.

Ray VE3FN, reporting on behalf of the CRRL/ARRL reported that JIM VE3KF was honored for his article on a digi-

MINUTES--Continued

tal readout for the blind.

The President's Report reviewed the activities of the past year and reminded members of the decision to host the 1984 RSO Convention in Ottawa. Some events of the past year included several interesting speakers at Club meetings, Field Day (where our station again took first place for its class in Canada), operation at the Ottawa Ex, the two metre loaner for hospitalized members, Public Service activities and the Directory (which is now discounted to \$1.00). Thanks were given to the 1982 Executive, the coffee makers, CRRL, CARF and members. Best wishes were given to the new executive and all members were given Happy New Year wishes. The report was accepted on a motion by Merv VE3CV seconded by Jack VE3HJI.

The CARF report informed members that a special prefix has been approved for the 22nd of May to June 27th. A reciprocal agreement with Italy has been signed. CARF fee increases will be 6% and 5% over the next two years, in line with federal guidelines. Discussions are being held with DOC regarding volunteer examiners for Amateur examinations.

The following were nominated for the 1983 OARC Executive by the nominating Committee:

President	Bob VE3MPG
V-Pres.	Phil VE3CUR
Secretary	Bill VE3ARZ
Treasurer	Bob VE3RF
Directors	Russ VE3LOW
	Bill VE3GPR
	Joan VE3FVO

In addition, Merv VE3CV and Allan VE3LNH were nominated for the positions of Director from the floor. Nominations closed on a motion by Brian VE3JKZ and seconded by Joe VE2DZT. Ralph had removed his name from the slate. Sydney VE3GVI proposed that the slate be accepted and George seconded the motion

which was passed. CORRECTION: Allan VE3LNH seconded the nomination of Merv VE3CV. Also, it was Russ VE3LOW who removed his name from the slate, not Ralph.

Paul VE3ICV thanked Sydney VE3GVI for working so hard over the past year to improve the state of Amateur Radio in the area.

A member suggested that he would like to see more people monitoring to the local repeaters to provide assistance in the event of emergencies. VE3DVF suggested that VE3CPC is usually monitored.

The meeting was adjourned on a motion by Paul VE3ICV seconded by Gerry VE3CDS.

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AUDITOR'S REPORT

Ottawa Amateur Radio Club Inc.

Balance Sheet

November 30, 1982

ASSETS

Cash		
Current	\$1,754.58	
Savings	3,117.48	\$4,872.06
Accounts Receivable		120.00
Equipment	3,628.03	
Accum. Depreciation	3,627.03	1.00
Incorporation Expense		680.00
		<u>\$5,673.06</u>

LIABILITIES

Prepaid Memberships		329.00
Funds Held in Trust		
Estate of J. Norton VE3PN		2,146.05
Surplus at beginning of year		4,668.29
Less: Excess of Expenditure over Revenue	222.13	
Write-off of obsolete equipment	1,248.15	3,198.01
		<u>5,673.06</u>

Statement of Revenue and Expenditures

Revenue

Memberships	\$1,417.00
Auction	819.56

NEXT MEETING

The next regular meeting of the Ottawa Amateur Radio Club, Inc. Will be held on Wednesday February 2nd, 1983 in the Auditorium of the National Research Council, 100 Sussex Drive Ottawa, at 2000 hours.

The guest speaker will be Ken Kendall VE3IHX, who will be speaking about emergency communication.

Before each meeting, the notice board is set up at about 1915 hours to give members an opportunity to seek information, to buy or sell articles or to contact others with similar specialty interests. Use the Club Bulletin Board as a focal point to meet other members with whom you have had a QSO and to have an "eyeball"--to meet him or her in person!

Auditor's Report--Continued

<u>Revenue (continued)</u>	
Directory	912.00
Miscellaneous	145.35
	<u>\$3,293.91</u>
<u>Expenditures</u>	
Groundwave	1,250.20
Operating	451.93
Administration	435.16
Directory	998.56
Depreciation	380.19
	<u>\$3,516.04</u>
Excess of Expenditure over Revenue	<u>222.13</u>

REPORT TO MEMBERS

Sydney Moorcroft VE3GVI  
President (1982)

The year 1982 was, on the surface, quiet and uneventful. However, closer examination shows that not only was the Ottawa Amateur Radio Club, Inc. as active, and perhaps more active than in previous years, but that decisions were taken which will result in considerably more activity

more activity by Ottawa amateurs in 1983 and 1984. I refer, in particular, to our decision to host the Radio Society of Ontario Convention in 1984.

Events which first come to mind over the past year are the monthly meetings with speakers talking about a variety of subjects of interest to both the new and the experienced amateurs. These ranged from security to amateur satellites. To complement the monthly meetings, the club bulletin, i.e. the GROUNDWAVE, was published regularly and the weekly VHF net on the Club Repeater VE3CRA was operated. Other major events were the Canadian Ski Marathon, Field Day, the Ottawa Exhibition, the Auction and Santa Claus at the Children's Hospital of Eastern Ontario.

Activities with less visibility, but of equal importance, included the provision of the club two metre transceiver to hospitalized members, assistance to those experiencing RFI problems, etc. Indeed, if you read last year's issues of the GROUNDWAVE again, you will find all sorts of club and individual member participation in amateur and public service functions which are too numerous to mention here in detail.

On the administrative side, you have heard and approved an audited financial statement, and heard reports from the various committees. Club membership lists have maintained and a directory was published listing the members of all clubs in the area.

To summarize, the Executive has attempted to guide the activities of the Club throughout the year with as much participation from individual members as possible.

I would like to personally thank the 1982 Executive members for their support, as well as the chairmen and members of the different committees, those who have provided very much needed and appreciated services such as coffee at meetings. Special mention should be made of the representatives of the national and provincial



SETI -- Continued

"Everybody has his own idea of what frequency to watch, and really, nobody has any idea", says Ubil. An amateur who guesses right could well make contact before the official NASA search. "I think it is going to eclipse amateur astronomy", he says, because with amateur astronomy, "you don't have that extra possibility of finding intelligent life."

"The person who does that--it's just going to blow his mind; and everyone else', too!"

(Maybe he has a point--remember that nearly all new comets are discovered by amateur astronomers--Ed.)

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160 METRES IN OTTAWA

-- by Brian Summers  
VE3JKZ

Many of the new rigs on the market now incorporate the 160 metre band. When considering the large number of amateurs in the Ottawa area who must have such a rig, the amount of activity heard is minimal, to put it mildly.

I would like to suggest that more use be made of the band for local activity and would like to advance the following comments:

1. The 160 metre band is nowhere as crowded as 40 or 80, and the 20-30db over S9 signals from our friends south of the border are not as prevalent.
2. Not everyone has a synthesized two metre rig to allow complete freedom of movement in the two metre band.
3. Many people are using two metre handy-talkies with miniscule antennas and have a hard time accessing a repeater. Working simplex across town is often out of the question. What do you do when the repeater is down?

4. Two metre repeaters should not be used for long rag chews.
5. The ground wave characteristics of 160 metres are simply excellent. There is a good reason for the broadcast band starting around 1600 kHz, and for the strong bid by U.S. broadcasters to "grab" part of the top band prior to WARC '79.
6. Contrary to popular opinion, simple antennas can be used very successfully for local work.
7. Amateurs with only a basic licence can use phone on top band after six months of operation. Note that one of the reasons that CARF requested this privilege was to encourage more use of 160 m.
8. Pending legislation will remove many of the existing power and frequency restrictions.

Doubtless many other reasons both for and against using the band can be advanced. Note that I am not suggesting that any of the existing HF or VHF nets move to 160 m. I am only suggesting that much of the existing activity on the lines of "meet you on 'CRA (or 3780) at 7:00 tonight" be changed to "meet you on 1815 at 7:00 tonight."

To give you some ideas of antennas used for local work, note that Fred VE3BAJ uses the house evestrough via a matching unit and is always an S9 across town. Carl VE3IAH in Nepean has been using an indoor 20 metre dipole, a loading coil, 10 watts and has been 5db over S9 in both Alta Vista and Stittsville. Other ideas can be obtained from the ARRL handbook.

See you there if you and your friends have 160 m. on the rig. Note that there is a Canadian Top Band Net which meets every Tuesday evening at 9:00 pm (EST) on 1815 kHz. This affords an excellent way to check your equipment. Join us next Tuesday

HALLEY'S MASER

Thanks to Bob VE3MPG  
Courtesy: Industrial Re-  
search and Development

British scientists are planning to "switch off" radio waves emitted by Halley' comet when it returns to the solar system in 1986. Radio astronomers at Jodrell Bank will beam radio waves at the comet in an attempt to turn off the comet's natural radio equivalent of a laser, called a maser.

The maser is a result of the core composition of Halley's comet--which is a mixture of frozen water, methane and ammonia. As the comet approaches the sun, these ices will evaporate in the heat.

Water atoms with one hydrogen atom missing will emit radio waves at 18 cm wavelength. Some of these hydroxyl ions will radiate in unison, forming a natural maser. The power output of the maser is estimated to be a modest 30 watts.

The scientists feel that they can switch off the maser by beaming a 10 kW pulse of 18 cm wavelength radio waves from their radio telescope to the comet. If successful, the scientists will learn more about the comet's natural maser from how long it is switched off.

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HEARD AT A HAMFEST

Courtesy RaRa Rag

Here are some sayings and observations overhead at a recent hamfest; some famous and others not.

"I remember when \_\_\_\_\_ had one of these. Boy, those were the days!"

"I sold mine for money to get married on. Now that I'm divorced, I sure wish I had it back again."

"How can you walk away and leave that there?"

--"Just like this: first I turn this way, then I lift my right foot, then---"

"I'm gonna be candid about this rig."

"OM, if you can't find it here at this hamfest, you just didn't need it."

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DANGEROUS CRIMINAL AT LARGE

From "THE FEEDLINE" via the OVMRC Rambler

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

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

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

Charges against Hopalong Capacity are being pursued under Ohm's Law.  
--Mark VE3KK

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DON'T BE BASHFUL--Write an article for the GROUNDWAVE.

MEMBERSHIP APPLICATION

OTTAWA AMATEUR RADIO CLUB, Inc., P.O. Box 8873, OTTAWA, Ontario K1G 3J2

SURNAME \_\_\_\_\_ Common Name \_\_\_\_\_ Call \_\_\_\_\_

Additional Names/

Calls (Family Membership) \_\_\_\_\_

Address (Street/City/Province) \_\_\_\_\_ Postal Code \_\_\_\_\_

Telephone Telephone CLASS Associate( )
(home) : (Work) : Amateur( ) Advanced Amateur( )

ACTIVITIES (List bands worked)

CW \_\_\_\_\_ AM \_\_\_\_\_
SSB \_\_\_\_\_ RTTY \_\_\_\_\_
SSTV \_\_\_\_\_ ( ) \_\_\_\_\_
VHF/FM \_\_\_\_\_ PACKET RADIO \_\_\_\_\_

I am a: MEMBER APPOINTEE OFFICIAL ; I have a gas/diesel generator
of: ARRL ( ) ( ) ( ) ; Yes( ) No( )
CARF ( ) ( ) ( ) : I have a two metre hand carried
RSO ( ) ( ) ( ) : portable rig; Yes( ) No( )
RAQI ( ) ( ) ( ) :

MY MAIN INTEREST IN AMATEUR RADIO IS: ( ) HF ( ) VHF ( ) Other \_\_\_\_\_

Membership Fees: Individual -- \$8.00 Family \$10.00
(Except student & over 65--contact a member of executive)

I would like to see the OARC, Inc. do/not do the following next year:

I would be willing to help organize the following as a Club Activity:

(Applicant to complete at same time as above)

OTTAWA AMATEUR RADIO CLUB, Inc. Membership 198 \_\_\_\_\_

RECEIVED FROM.....The Amount\$.....

Signature of Membership Chairman Date

THE OTTAWA AMATEUR RADIO CLUB, Inc.  
 P.O. Box 8873  
 OTTAWA, Ontario, Canada  
 K1G 3J2

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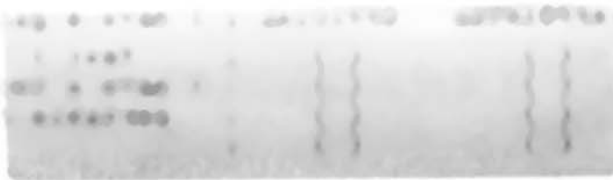
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THE OTTAWA AMATEUR RADIO CLUB Inc. Box 8873, OTTAWA, Ont. Canada K1G 3J2

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: Treasurer	Vacant		
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