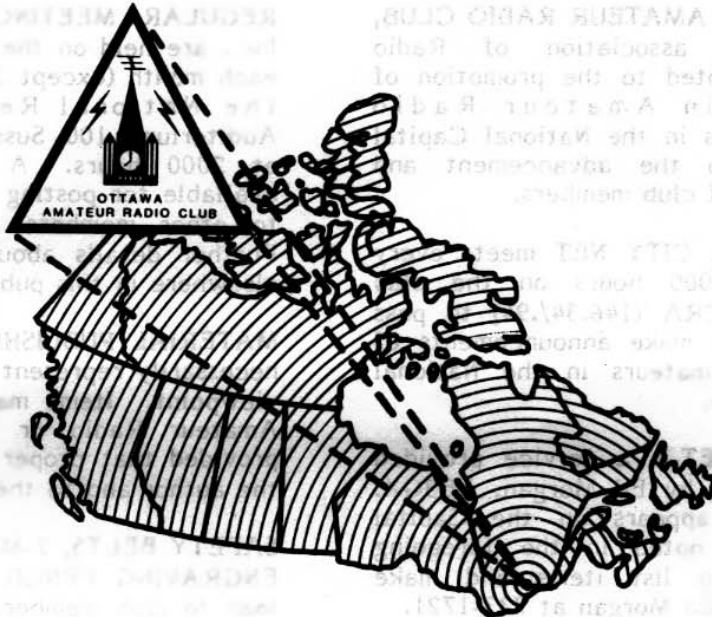


DEC. 85

THE GROUNDWAVE



Club Call VE3RC

Repeater VE2CRA



AMSAT



THE GROUNDWAVE

Official Bulletin of the Ottawa Amateur Radio Club, Inc.

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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 National Capital Area; and to the advancement 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 National Capital Region.

THE SWAP NET, is a service provided and conducted by Ed Morgan, VE3GX. This feature appears on the Capital City Net as noted in the foregoing paragraph. To list items and make inquiries, call Ed Morgan at 733-1721.

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.

DEADLINE FOR COPY is 4 weeks before the next meeting. Make yourself better known to fellow members and other amateurs, too, by giving us an article, technical or otherwise, relative to our hobby. They may get reprinted in far away places; and the family will be proud of you.

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 about 1915 hours. Further details about each meeting is elsewhere in this publication.

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

SAFETY BELTS, 2-METER RIG AND AN ENGRAVING PENCIL are available for loan to club members. The 2-meter rig may be borrowed by members who are hospitalized. The engraving pencil (to mark valuables for identification in case of loss or theft) and the safety belts with pole straps are available to any member.

A \$100 refundable deposit is required for the belts. Contact the President for the 2-meter rig or the engraving pencil; and Paul, VE3ICV, at 820-6643 (West End) or Brian, VE3JKZ, at 523-1535 (East End) for the belts.

RADIO AMATEUR CALL BOOKS are available at many local libraries. Ask at the information desk.

MINUTES OF THE OARC MEETING.NOVEMBER 6, 1985

The meeting was called to order at 2007 hrs. by the President. On a motion by VE3PAP, seconded by Fred Green, VE3IO, the minutes of the October 2nd meeting were adopted. Visitors were welcomed. A student from Dan's class came to pay a courtesy call. Mr. Sauve from Leo D. Cote, an intermediate school in Orleans, was also visiting. He is seeking help and advice in starting a Ham Radio class and eventually a Club at his school.

Mark Farey is looking for volunteers. He is putting together the new edition of the directory. Please give him a call if you are able to help.

Ray Perrin gave a brief overview of the proceedings of a meeting on October 25th at which officers from CARF, CRRL and DOC were present. Among other topics of discussion were: Emphasis on cost recovery and downsizing, privatization, special prefixes, fee structures. Watch for papers to be out soon.

Joe McPherson, VE3CAT, the first speaker of the evening cleared up some misinformation disseminated by the media regarding EMO. Contrary to what had transpired before, the group is not completely down the tubes. Barry Bremner, VE3BZW, the second speaker, spoke about electronic tracing and the techniques employed in nature studies. A very entertaining talk with very serious undertones. The transmitters that were shown can be modified to be used on a

person known to wander at times and be detected by a Ham FM station. Sufferers and victims of Alzheimer's disease could benefit a lot from this technology.

The JRS Fund is growing; it has passed the 16,000 dollars. You will be kept informed of new developments.

The meeting adjourned at 2215 hrs.

CARF NEWS SERVICE CHANGE

In a recent issue of CARF Radio News, VE3CDC announced his retirement from CARF posts after 14 years of service in various capacities including the post of editor of the News Service for the past 12 years. That is the sort of dedication that provides backbone and continuity for an organization. Fortunately for the hobby, amateur radio seems to attract a fair share of such people.

Unfortunately, they are sometimes allowed to slip away without the recognition they deserve. So a tip of the hat to VE3CDC, Doug Burrill, of our own Ottawa Amateur Radio Club for a job well done. Good wishes too to VE2BIE, Raymond, and VE2BCQ, Pierre, who are taking on the News Service. They have a tough act to follow but we expect that they will bring their own ideas and vigor to a valuable service much appreciated by the ham community as a whole.

"CQ CONTEST" AT VE3JW

During the last weekend in October a team of 20 local hams plus two assistants took part in the CQ World-Wide DX Phone Contest at VE3JW, the radio station at the National Museum of Science and Technology in Ottawa.

The station is ideal for this type of event although I believe this was the first time it had been tried at this particular location. There are two rigs at the station with linear amplifiers as well as a tribander and a recently acquired Apple computer which was used for logging and dupe checking.

The contest ran for 48 hours and, apart from a couple of breaks, the station was operated for the full period, with at least one Advanced operator on duty during each of the six-hour shifts. For many of those who participated this was their first taste of contesting with a lot to learn about the equipment, DX and, of course, contesting itself. When the dust settled we had managed to make 504 QSOs to 63 different countries in 18 zones. Hardly a record breaker I'm afraid, but a lot of fun for all concerned. The following table summarizes the results for each band:

Apart from the thrill of the chase there was also a public relations aspect to the contest. In order to keep visitors to the museum informed, we maintained a display which included a world map to show which countries had been contacted. By the end of the event we had good coverage across North, Central and South America and the Carribean, all of Europe as well as Russia, North Africa and Japan. Some of the rarer ones were EA9 (Ceuta and Melilla), HC8 (Galapagos Island), ZF (Cayman Islands) and 4UITU (ITU Geneva). It was very satisfying for the operators to see those little yellow pins spreading across the map and it certainly helped to explain things to visitors.

As might be expected, we had a few technical problems. After some very heroic last minute efforts by Dave, VE3JTZ, to write a dupe checking program for the Apple we lost some of the data (Murphy's law of Entymology - 'There's always one more bug'). The nice shiny new Yaesu FT757GX transceiver also gave problems. It developed a rather strange automatic QSY feature which wasn't mentioned in the manual; in other words, what you saw on the display was not what you

(continued on next page)

Frequency	QSOs	Points	Zones	Countries	Score
1.8 Mhz	0	0	0	0	0
3.5 Mhz	218	477	7	13	9,540
7 Mhz	23	58	11	22	1,914
14 Mhz	158	409	17	48	26,585
21 Mhz	105	281	13	38	14,331
28 Mhz	0	0	0	0	0
All bands	504	1,225	48	121	207,025

got from the VFO. Fortunately we had the good old made-in-the-USA Ten-Tec rig as a back-up so we were able to carry on without too much difficulty.

In closing I'd like to thank everyone who turned out for the contest and those who stopped by to give support. The results have been duly submitted to CQ Magazine but I'm afraid it will be next September before you see your call-sign in print and learn where we placed. Maybe by then you will have become a seasoned contester and we can once again take on the world from VE3JW.

73,
Mark - VE3OWL

YOU KNEW IT ALL ALONG

Small vise-grip pliers make an excellent temporary heat sink for flat pack voltage regulators when trouble shooting or repairing equipment out of an enclosure.

de Mickey McDaniel, W6FGE,
and WORLD RADIO

The Club executive has discussed the possibility of having a social event (such as a Wine and Cheese) this winter. If anyone would like to volunteer to organize such an event, please get in touch with the Club President.

THIRD PARTY TRAFFIC AGREEMENTS

What is "Third Party Traffic"? Simply stated, a third party is any person other than the one transmitting or the one receiving the message or the information. Therefore, when anyone else is involved by being addressed in the communications, it becomes "Third Party Traffic".

The International Telecommunications Union states "...It is absolutely forbidden for amateur stations to be used for transmitting international communications on behalf of a third party." There is a loophole in that, as the next paragraph states: "The preceding provisions may be modified by special arrangements between administrations of the country concerned." The Canadian regulations reflect this in Section 62 of GRR II, which states: "No person shall operate an amateur station to communicate a message on behalf of a third party to or from a similar station of another country unless such communications are authorized by an arrangement or agreement with the country concerned."

Since we live in a rather "open" concept, our country has little or no restrictions regarding the passage of messages within its borders, or to the neighbouring USA. This has been the case since the beginning of Amateur Radio, but other countries fare quite differently. This can be attributed for the most part, to the telecommunications industry in the two countries mentioned, being privately operated. This lends itself to

a two way information flow, with little or no restriction. This is not the case in most countries of the world. In Europe, especially, the telecommunications industry has been government built and operated since the outset of the two way communications industry. It is a government preserve and no trespassing is allowed. Looking at it from their point of view, it makes sense. Any message handled free of charge, means that the government or administration responsible, is out that amount of money. As most of you are aware, governments require a great deal of money to operate.

Each Amateur station should have an up to date list of countries with which Canada has Third Party Agreements. A list generally appears each year in the Canada Gazette. This information is disseminated by both CRRL and CARF in their respective magazines, and at least once a year, most Amateur Club Bulletins will list them. Any changes are advertised by bulletins and in the major publications, so there is no excuse for you not to have the list. Always remember, some administrations don't require much urging to close down their Amateur Service. That "phone-patch" for George in Lower Slobovia might just be the "straw that breaks the Amateur's back", and George and all his countrymen are off the air, and perhaps their equipment confiscated. A list of countries with which Canada has agreements, as of July 1985 are: Antigua and Barbuda, Australia, Bolivia, Chile, Columbia, Costa Rica, Dominica, Dominican Republic, El Salvador, Grenada, Guatemala,

Guyana, Haiti, Honduras, Israel, Jamaica, Mexico, Nicaragua, Paraguay, Peru, Trinidad and Tobago, United States of America, Uruguay and Venezuela.

The next time "George" asks for a phone patch, and you know his country is not on the list, advise him to have his administration communicate with the Department of External Affairs of the Canadian Government. Canada has invariably granted Third Party privileges, IF THE OTHER COUNTRY REQUESTS IT!

de London Amateur
Radio Club Bulletin

THEM WERE THE DAYS

I saw an ad recently in the West Island Amateur Radio Club Bulletin wanting an audio output transformer, push-pull 6L6's to voice coil, approximately 25 watt rating.

Wonderful tube, the 6L6, thirty-five years ago I used a pair of push-pull 6L6's to screen modulate a pair of 807's in parallel. It was a bit primitive by today's standards but one didn't need a microscope to find the active components.

Hank, VE2HN, is looking for repair parts for an organ in this case. Take a look way back under the bench and see if you can help him out. Telephone 695-4718 (Montreal area).

KUDOS TO DOC

In the May 1985 issue of SPARC GAP, the South Pickering Amateur Radio Club Inc. reprinted an editorial from the bulletin of the Metro Amateur Radio Club (Toronto) on the subject of regulation.

This reasoned discussion opened by pointing out the value of 'good' regulation in providing a safe and ordered society with minimal interference with individual freedom. The author then described the consequences of too much control and too little exemplifying a 'just right' degree of regulation.

"...As it happens, I believe that our own DOC has refined a regulatory system which is a model of balancing control on one side and permissiveness on the other, within the confines of the demands for government efficiency. And this is not just an outpouring of nationalism.

"To be sure, there has been some criticism of foot-dragging on 160 metres and WARC but, all things considered, the DOC is inclined more towards cooperation than a bullying posture. Tell me, when was the last time you heard of the DOC dumping unfairly on someone? Have you ever complained that the examinations were administered in some preferential manner? Do you believe that the DOC monitors our frequencies continuously just to prosecute us for infractions of the rules? Or do you think that the DOC, within its fiscal and legislative restraints, treats us rather well? Of course there are areas where we


are anxious to see changes but then there are always unmet concerns. As Hams, we manage to get along with the government in a positive way and the most gratifying illustration of this is the number of Radio Inspectors and other personnel from the DOC who are also active hams. When problems arise, they know, they understand, and they sympathize. It's nice to have them on our side.

"I think we can be justly proud of Canada's radio regulatory service. Instead of tugging at each other at cross purposes, we have a relationship that might easily be the envy of other countries. It also points up our responsibility to Amateur Radio to minimize DOC involvement on our bands by voluntary self-regulation. The most effective way, it seems to me, is by setting examples that others will be pleased and proud to follow."

NOTICE OF CHANGE FOR THE
JANUARY 1986 MEETING

Please note that the January 1986 meeting of the OARC will be held on January 8, 1986, the 2nd Wednesday of the month, at 8:00 p.m. in the NRC Auditorium, 100 Sussex Drive.

de OARC Executive

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