



October 2003

Quinte Amateur Radio Club Inc. Newsletter

PO Box 23039 BELLEVILLE Ontario K8P 5J3

NOTICE OF MEETING:

DATE / TIME: Oct 15, 2003 @7:30PM

LOCATION: Loyalist College (Pioneer Building) Room P-2

PROGRAM: Doug Leach VE3XK RAC Director Ontario North, will be speaking at our October meeting. Dave Lawrence VA3ORP RAC Assistant Director will also be attending.

Club Repeater: VE3QAR 146.985 MHz.

2 meter net: Tuesday 7:30 PM on VE3TJU 146.730

QARC HomePage <http://www.qarc.on.ca>

QARC HomePage <http://www.qarc.on.ca/> provided free of charge by:

Lakeshore Internet Services, 199 Front St, Suite 113

Belleville K8N 5H5 (613) 962-9299

Monthly Meetings: 3rd Wednesday 7:30 PM Loyalist College
(Pioneer Bldg.) Room P-17

Hams 'n Eggs: SATURDAYS 8:00 AM Quinte Restaurant 135 Cannifton Road

Foxhunt: 2nd, 4th & 5th Wednesdays at 7PM. Check in on VE3QAR for details.

RADIO AMATEURS OF CANADA ADDRESS:

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QARC EXECUTIVE

PRESIDENT: Peter Hodgson VA3PKH 962-1386 (E-mail: phodgson@kos.ca)

VICE-PRESIDENT: Bill Milligan VA3WOW (E-mail: va3wow@rac.ca)

SECRETARY: Mike Papper VE3VMP 969-1744 (ve3vmp@sympatico.ca.)

TREASURER: Don Dalrymple VE3DQN 968-9242 (E-mail: ve3dqn@rac.ca)

PAST PRESIDENT: Dave Ackerman VE3UGT 962-3991 (E-mail: ve3ugt@rac.ca)

Quinte Amateur Radio Club Minutes

September 17th, 2003

Mike, VE3VMP Secretary, QARC

The meeting opened at 7:30 pm by our President, **Peter VA3PKH**. He welcomed everyone back after the summer break. Peter welcomed **Ralph VE3JBY** to the meeting. Peter mentioned that **Doug Leach VE3XK** Ontario North regional director for RAC will be our guest speaker at the October 15th meeting. The Club will take him to dinner at the Quinte Restaurant at 6:00 pm before the meeting. All are welcome to join in. Please let Peter know if you will be attending so he can make the appropriate seating arrangements.

ARES: with **Ron VE3IVC**

- This Sunday will be the annual Mothers and Daughter Walk for the Heart and Stroke Foundation at Zwicks Is. Ron would like the volunteers to confirm their participation before the end of the meeting, if possible. If you are able to attend be at Zwicks Is at 10:00 am Sunday.
- Received a letter from the MS Society who raised over \$50,000 and they thanked the Club for their participation
- Sent letter to Gord Grassely to ask if they will require Amateur Radio participation in the potential hurricane that is brewing in the Atlantic and it may head our way in some form or other. Ron did not think they would require our assistance.
- **Doug Monk VE3ZDG** ARES Director for the County to set up relays to all Nursing homes to the Ambulance service and hospital.
- **October 4th** there will be a Fun Bike Rally in the County starting at the fairgrounds. There will be three different course lengths – 25 kames, 50 kames and 100 kames. The **PERC** will provide communications for this event and is being organized by **Doug VE3ZDG**. If you are interested in volunteering please contact Doug on 2M or 476-5593.
- Our Club is asked to provide communication for the Toronto Car Rally Club again this year to be held Saturday October 25th. Some of the route will be in Prince Edward County this year. More info to come later. If you are interested please contact **Ron VE3IVC** on 2M or 966-2910.

Tim VE3UO reported that the Clubs back-up battery on the repeater lasted about 10 minutes!! Looks like we need a new battery!!! Tim will look into this for the Club.

The **PERC** announced that their battery lasted at least 66 hours that included the Cluster and repeater with relatively high usage. The battery measured 12.55 volts at the start and after 66 hours measured 11.75. Looks like their back-up system is in good shape.

There was no new Business and no door prize draw.

Mike VE3VMP asked the membership what plans the Club has regarding their existing ICOM 735 Transceiver and out newly acquired OMNI V donated by **Al Smardon**

VE3OX. The question was “do we want to sell both the IC 735 and OMNI V and buy a new rig or trade the OMNI V for a **Jupiter** from Ten Tec”. (Ten Tec usually take trades of their own equipment when buying newer equipment from them). A discussion followed with any conclusions.

Peter introduced our guest speaker, a frequent contributor, **Dave Ward VE3BIP**. His topic for this evening was on the GPS systems. Dave explained everything you wanted to know about GPS but were afraid to ask. He talked about its origin, how it works, the technology, and the accuracy of GPS. It was interesting to note when the GPS was first introduced by the Military they added a feature called “**limited availability**” where they deliberately corrupted the signal to make it inaccurate. This meant that your position would be accurate to about 100 meters 95% of the time. This feature was turned off in May 2000. Now the accuracy is within a few meters 95% of the time on any unit you buy. It can even be made to be accurate to about a centimeter!! If you are interested in more info go to the following WEB pages: www.geoaching.com and www.confluence.org. Dave used slides for his presentation that are attached for your info.

If you were not present you missed another very fine business presentation. Thanks again Dave.

The traditional coffee, donuts and rag-chew followed Dave’s presentation and the meeting adjourned at 9:30 pm. There were 22 in attendance.

Basic Course

We need to promote our hobby. We have had some inquiries about the next radio course. If anyone knows of a place we could use as a classroom please let one of the executive know. The schools now charge for classroom space for nonprofit groups. The last course was held at the southwest Community Policing Office. They have since moved to a smaller location.

For Sale

By the widow of Gunter Meyer VA3GM

1 only Yeasu FT 757 GX with mike

1 only Heathkit linier amplifier

1 only TV tower with heavy-duty rotor CD Ham 3 mounted in 40 ft tower with 3-element 20m beam and a vertical antenna.

1 only VHF hand held radio FT 207, power supply, and battery charger.

Assorted ham items.

All items are in working condition.

For more info call 966 7791 Hermann Harms VA3VHH

MODERN DESIGN

QST March 1957 Page 85

This article was #26 in a series of 33 articles written by Cy Read who became a Silent Key August 1957. He was a design engineer for Hallicrafters.

Every old timer can remember the days when amateur radio was largely a “do-it-yourself” project. Some pieces of equipment could be purchased ready made but practically any skilled amateur could turn out better gear at home, and there were almost as many different types of equipment in use as there were amateurs.

Those days are gone forever. With the ever increasing complexity of modern equipment, and particularly since the wide adoption of single side band operation, the average amateur can no longer hope to produce at home the kind of gear he needs to compete in today’s crowded bands. Even if he has the technical know-how (which many do have), the necessary tools and laboratory equipment are beyond the reach of all except the fortunate few.

The job of designing and producing today’s amateur gear has become a cooperative effort requiring the most modern facilities and the best engineering talent available. At Hallicrafters there are over 350 engineers, a large percentage of them active amateurs engaged in trying out promising new ideas, developing circuits, and designing new gear. It probably would be a shock to most of us to find out how few of these promising ideas actually stand the test of laboratory investigation, development, and design. And even more shocking to learn how few ever finally appear as new models.

Last year, for example, we had one of these pages ready to print. It described a very ingenious new way to generate single side band signals that had been developed in Hallicrafters’ laboratory. Extensive development work had been completed but then one of our engineers who had been working along a similar line came up with a much better and easier way to do the same job. There was only one thing to do—discard the months of effort already invested and concentrate on the better way. Today this better way is fully developed and operating in the HT-32 exciter/transmitter.

It stands to reason that a group of trained engineers who are also enthusiastic hams, provided with the finest of laboratory instruments and anything they may desire in the way of tools and materials, will always come up with equipment that is far superior to anything the individual experimenter could produce. Perhaps you would like to see how it is done. Visitors are welcome at W9CGC, our club station, located at the main Hallicrafters plant in Chicago. You may find us in the middle of investigating new and better ways of doing some familiar task or you may get a look at a new communications receiver or transmitter in the final stages of development. We cannot promise what you will see, but we can guarantee that it will be interesting. Come and see us.

Ham Radio in the Schools

From Tom, VE3LT

Hello fellow Hams. My name is Tom Domonkos VE3LT from Niagara Falls. Marc Richardson VE3OBO and myself have been spearheading a program in Ontario where high school students can obtain an Amateur Radio License from their local Amateur Clubs but also get a high school credit for this achievement.

For those of you that don't know the politics of an official high school credit, it is 120 hours of study in a particular subject and successful passing of an examination. Coincidentally the Ham Radio Course is very similar to the grade eleven physics course with a bit of math, science and geography rolled in. There is obviously added rules and regulations as well as propagation and antenna theory, but it makes for a well rounded educational curriculum.

Marc and I were planning to approach the Minister of Education with the backing of the "RAC Youth Education Program" to implement such an "Elective Credited Course" for the Ontario School system. We feel this will spark a renewed interest in Ham Radio in general and will entice the younger generation to partake in our hobby with its diverse features.

We would kindly ask all Amateur Radio Clubs to fill out the attached form so we can start an official data base of Clubs with "Teaching Staff" as well as times and locations for the course. We would also like the local clubs to approach your schools in your areas and maybe offer to do a short talk on our hobby or an assembly of some sorts. I'm sure the schools would greet you with open arms with educational formats.

Please fill out the form and email or fax it back to me at ve3lt@rac.ca or via fax at 1905-356-7555. We would also be interested in your comments so please include them as well.

Treasurers Report

MONTH TO DATE

Revenue		Expenses	
Membership Dues	\$50.00	Rac Membership	
Coffee	\$9.00	Office Supplies	\$20.54
50/50 Draw	\$0.00	Incorporation	
Donations to QARC	\$11.07	News letter printing	\$17.44
Interest	\$0.20	Insurance	
		Social Events	
		Donations	
Total revenue	\$70.27	Total Expenses	\$37.98
		Month to Date Income	\$32.29

YEAR TO DATE

Revenue		Expenses	
Membership Dues	\$50.00	Social Events	\$0.00
Donations to QARC	\$11.07	Post box rental	\$77.04
50/50 Draw	\$0.00	Office supplies	\$37.55
Coffee	\$9.00	News letter printing	\$17.44
Repeater Move	\$0.00	Door Prizes	
Interest	\$0.60	Insurance	\$0.00
		Donations	\$0.00
		RAC Membership	
		Hall Rental	\$60.00
		Incorporation	
		Name Tags	\$0.00
Total revenue	\$70.67	Total Expenses	\$192.03
		Year to Date Income	-\$121.36
Cash on Hand at last year end	\$4,766.29	Cash on Hand	\$4,644.93