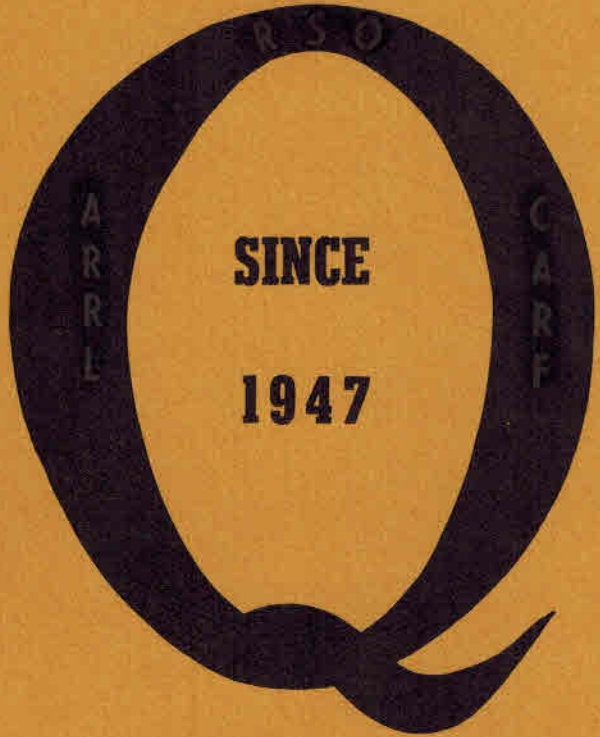


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VE3KBR - QUINTE QRM - VE3BSQ

Date of Meeting - 8 Oct. 1975 (Wed. nite) Time - 8 PM

Place - Loyalist College Building "B" room 3L10

Program - Rick Whiteford VE3EJB. Slide program and talk on Bell Canada Microwave System. Rick worked on the Trans Canada Microwave System before joining the teaching staff at Bell school. Usual Business session and Berts' delicious repast will wind up the evening.

SOME HISTORICAL NOTES

Edward S. "Ted" Rogers in 1921 was the first Canadian Amateur to successfully transmit a radio signal across the Atlantic. This was the same "Ted" Rogers who invented the first A/C Vacuum tube which made possible the batteryless Radio. He invented it in 1925 and filed his patent in 1927. CFRB in Toronto was a Rogers station and the worlds first. Batteryless one. The letters RB standing for Rogers "Batteryless". "Ted's" call sign at that time was 9 AV as an Amateur.

The Northern Electric Co. Ltd. had an Amateur station in the Montreal works at Shearer St. in 1926 & 1927. The call sign was 9 BM.

Keith Russell was 9 AL in 1926. The Keith Russell Award is still being awarded each year to the Field Day Group in Canada with the highest score.

"Ed" E. A. Goodier was 3KQ in 1926. He is now VE3NI and living near Deseronto.

NEWS ITEMS

Henry VE6CEC ex VE3GON of Calgary made a trip home to Finland with his family this summer & as you know stopped off in Belleville on the way back home for Field Day with us.

The new Canadian Call Book put out by C.A.R.F. is ready for distribution.

C.A.R.F. is now accepting individual membership - we believe this is the way it should operate, as a national body.

Field Day 75' was a big success. More people out than last year. An unfortunate breakdown of the generator about 8 AM Sunday ended things early. However we made a good showing and as usual it was a lot of fun.

Congrats. to Claire Jaynes VE3HWT and Brian Smith VE3HWU. Took the test in June and passed. Both will be on the bands soon.

This is being written in July as we think of things to report and may appear to ramble a bit. Looking back on Field Day we can't help but think that the Club owes a vote of thanks to Archie Smith and his WYL for that delicious food 807's & 813 that appeared on the scene during the big "DO".

Repeater change over to the new Frequency took place in early June. Later in the month Mother Bell asked us to vacate the repeater shack and said they would supply us with a smaller one complete with electric heat, lights and whatever we needed. Unfortunately they asked us to shift our gear on June 28. As this was Field Day weekend we had to go down that day and make the change. It was completed in about 4 hours thanks to Doug VE3OZ, Croft VE3OR, Howard VE3RL, Glen VE3CJG and Tim VE3HCM. The Belleville boys came home and then took off for the Field Day site at Archie's place at Mountain View.

Techni Topic by VE3RL

The introduction of the hand held portable for 2 meters more or less introduced Amateurs to the nicad battery in the AA size. These units overcame the disadvantages of the carbon zinc battery which is not rechargeable and which has a high internal resistance. The high resistance means that the current is limited and as they are used the voltage gradually drops.

Alkaline batteries have the same characteristics as carbon zinc cells but are rechargeable for 3 to 10 times. If they are of the vented type recharging and overcharging works fine. If they have no vents they will break open & leak if overcharging occurs.

Nicad cells have about the same capacity as the other types, but do not suffer from any of the above problems. The voltage of 1.2 volts per cell means that you need 1 or 2 more cells to reach 12 volts and as they discharge they maintain their voltage much better. 1.2 volts fully charged and 1 volt discharged.

Mercury batteries are rated at 1.4 volts per cell and have about 5 to 7 times the current capacity of nicads but they are not rechargeable.

Each type of battery has it's uses, but the nicad rechargeable cell is the one used in portables and the user should be familiar with it before he attempts to recharge it or use it.

The nicad cell will deliver large amounts of current for

a short period of time. A short of the cell will ruin it in about 20 seconds. The nicad will stand the hottest car on a summer day, but it won't stand a short because the internal temperature uses to about 300F and this ruins it in a few seconds. In a TR2000 portable they will last about 10 hours on receive and about 1 1/2 hours on transmit. If the string of cells had one in it that discharged before the others, the drain from the other cells would tend to charge the low cell in the wrong direction. The chemistry of the cells is such that the low cell will look like a short in both directions. You should therefore always replace these batteries all at the same time. Don't mix old with new. Follow the charging instructions carefully as detailed in the manual for your rig. With proper care the nicads will give good service for the purpose for which they are intended.

We regret to report that VE3NA (ex VE3BPR "The Beeper") passed away on Aug. 5, 1975 aged 51.

Rae was well known in VHF Circles for many years. He pioneered 220 and 432 work in this area. Our deepest sympathy to his family.

Another Techni Topic By VE3RL

The regulated power supplies available to Hams have one glaring fault that should be carefully watched. If the pass transistor goes west the voltage will rise to about 22 volts and promptly blow your rig up. If the pilot lite suddenly gets bright, turn the rig off immediately. If you are in any doubt as to the type of supply you have a protected supply will have a zener diode across the output. If it hasn't got one, add it on the output terminals. You will need a 15 volt 5 watt zener for this purpose.

Congrats. to Don Doran who passed his exam in the summer & is now VE3HKG.

We regret to report the passing of Ray Fretts VE3FXC of Napanee. Ray spent the winters in the south and was active on the low bands from there & from Napanee in the summers.

DX and All That By VE3RL

The DX bands these days (because of our position in time on the 11 year sunspot cycle) are 20 meters 15 meters and during openings, on 10 meters. Don't neglect 80 meters late in the evening. It is possible to work some rare stations on this band too.

Being a VHF type I am often asked "Can I work DX on 2 meters?" the answer is yes if you want to invest in the time and trouble to put up the antennas and a CW or SSB

rig running a few hundred watts. VE3BPR now VE3NA has worked a great many states on 2 meters. He has also done the same on 220 and 432. The advantage on these bands is that system gain is readily available in the antenna.

The best band of all is 6 meters and is often referred to as the poor man's DX band. This band opens at least once a week and recently I have worked W5, W4, WØ and W9 as well as VE2, VE3 and VE4. Inexpensive equipment is readily available for FM on this band and antennas also are easy to build and inexpensive to buy. If you want to get serious about it (and you will once you are on) you can use SSB or CW on the low end for real DX world wide when conditions are right.

At present I am using a Progress rig on FM on a ringo antenna and using a 3 element beam for DX. Will be on SSB soon running 20 watts P.E.P. which is enough when the band is open.

EMO NEWS

As of Aug. 1/75 EMO is no longer active. All equipment has been turned over to the organisations that took part in E.M.O. activities. If EMO is not activated by January 1976, the equipment becomes the property of the organisation concerned. On 9 of Aug. VE3RL, VE3HGM and Clark Steele removed the 2 meter antennas from the roof of the EMO-HQ. The antennas had been up since the early 1960's and were pretty far gone. The Club becomes the owner of the Gonset Communicator IV. 2 meter rig as of Jan. 1976. The rig is now with VE3RL who holds the EMO licence VE3CQZ which will expire on 31 Mar. 76.

Fast Scan TV

Howard VE3RL is sending pictures on 439.25 MHZ using a converted CLU/15 transmitter. These rigs are easy to convert and the addition of a simple one transistor Video modulator is all that is required. For receiving a VHF converter (TV type) is twiddled down to 439.25 and used in front of an old TV set. Bill VE3CUK is receiving and Ron VE3GAB is converting a progress TX.

Field Day Results

Points - 1768
Contacts - 611

Glen VE3CJG has supplied a new stamp free of charge to restamp the Bulletin cover with the new repeater frequency.

Tim VE3HCM has donated a thermometer for the repeater shack.

Rick VE3EJB became the proud father of a daughter in August. Rick says she already knows the code.

Trilliums Contest

From 7.30 PM EST. Nov. 7 to 7.30 PM EST 8 Nov. check QST or RSO Bulletin for rules of this contest or contact VE3HON Sandra or VE3RL for a printed sheet of all the rules and procedures.

All participants are eligible for the lucky draw and non members with the highest score will receive a Trillium Plaque. All bands all modes and suggested frequencies are 3770, 3855, 3685, 7240, 7103, 14280, 14140, 14035.

Logs must be postmarked no later than 31 Dec. 1975. Send to Joan Powell, VE3FVO 39 Brightway Crescent Thornhill, Ont. L3T1CZ.

KINGSTON CORNER

The summer months have been quiet ones around Kingston, A meeting has been held with RASO, the people responsible for amateur radio activities with the 1976 Olympics. The Kingston Club will participate, with Kingston hosting the Sailing Olympics.

The Kingston CIVITAN Club went to great lengths to hold a canoe regatta on the Rideau. KARC provided two teams of four stations each shift, one of them mobile marine. It was a nice outing, but a keen disappointment for the Civitans. Competitors were few and far between.

Some new calls are heard around Kingston this summer. VE3HWK is Earl CLOUTIER, a retired Army Officer. Jim FITZ-TRICK and JACK WYATT VE3HNU are both High School Teachers. GARRY PENWARDEN VE3HWS can be heard on 2 meters almost any hour of the day or night, and two more one year veterans have joined the 2 meter gang. TED TOOGOOD VE3HOC works for MA BELL, and RICK MURPHY VE3FHS works for the DEFENCE RESEARCH BOARD at RMC where he puts his Master's Degree in Physics to good use.

ELDON SWITZER has his Advanced while still in the final stages of High School, and Rev. WELDON BURLOCK has gone SSB. Weldon is the Chaplain at K.P. Hospital.

Rev. FRANK BELL VE3FMF has moved to BARRIEFIELD from DESERONTO. Frank will be nice and handy now, so we can put him to work for KARC, even more than ever.

No work yet on what happens to our club rooms. EMO is folding. The EMO for Kingston has moved on to something else, so presumably our Club Rooms will move on to some other organization too. Queen's and St. Laurence College have suggested that we use their facilities, and from what we see thus far, we will be doing for the City of Kingston what we did for EMO, so they may have something to offer. This is all speculation at the moment however.

Armand Braida VE3CJA is sporting a new multi 7, and Steve Cutway has one of those new KDK rigs on order, to which he is adding a tower and rotating beam. We are still waiting for GORD HUGHES and DOUG SHEPPARD to do likewise, so we can hear what is going on "Out Back".

Bert Hovey VE3EW.

STOP PRESS

Registration for Loyalist College Amateur Radio Classes Now ON - Register NOW. See Gerry Ingles VE3HBR or registration office at college. HURRY classes start MID OCTOBER.

EMERGENCY MEASURES ORGANIZATION
QUINTE AREA

Angus B Duffy
Co-ordinator

Ben Bleecker Auditorium
P.O. Box 942
Belleville, Ontario

Bus. 962-9455
Res. 962-2867

August 1st. 1975

Mr. R. Whiteford
President
Quinte Amateur Radio Club
62 Edgehill Road
Belleville, Ontario

Dear Mr. Whiteford:

As you are probably aware, Quinte Area
Emergency Measures Organization will cease operations
at the end of August 1975.

On behalf of the Quinte Area Emergency
Executive Committee, I wish to pass on to you and
the members of your Club, our appreciation for the
assistance you have provided to Quinte Area EMO
over the years.

We would hope that your membership will
continue to be ready to assist with emergency
communications.

Yours very truly,



(Mrs) A.R. Jeffrey Mayor
Chairman
Emergency Executive Committee

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55 Graham St.,
Belleville, Ont.
K8P 1P4

VE3HCM

