

QUINTE QRM



QUINTE AMATEUR RADIO CLUB
VE3BSQ

BULLETIN EDITOR
RICHARD MAKI
BOX 777
CAMPBELLFORD

HAPPY

25

HEATHKIT

**25th
year**

QARC

BIRTHDAY

SEND FOR A FREE CATALOGUE
AND SEE THE RESULTS OF 25 YEARS OF KIT ENGINEERING.

HEATHKIT

Schlumberger

MISSISSAUGA,
ONTARIO

QUINTE AMATEUR RADIO CLUB

MONTHLY BULLETIN

March

1974

QARC 1974 EXECUTIVE

PAST PRESIDENT: Bill Crabbe, VE3GUK

PRESIDENT: Bob Brain, VE3GTD

VICE PRESIDENT: Barry Robinson, VE3CJC

TREASURER: Mike Papper, VE3FNP

SECRETARY: Henry Pylvainen, VE3GON

COMMITTEES

PROGRAM: Howard Fralick, VE3RL

BULLETIN: Richard Maki, SWL
Howard Fralick, VE3RL

REFRESHMENTS: Bert Hanson, SWL

SPECIAL

ENTERTAINMENT: The Executive

VHF ACTIVITY

-VE3KBR: Barry Robinson, VE3CJC
Howard Fralick, VE3RL

FIELD DAY: Barry Robinson, VE3CJC
Morley Wiltse, VE3CYW

QARC STATION

-VE3BSQ: Don Davenport, VE3BPL

CAR RALLY '74: Howard Fralick, VE3RL

E.M.O.: Rick Whitford, VE3EJB

C.N.I.B.: Bert Maloney, VE3AQI

NEXT MEETING

March 13, 1974

LOYALIST COLLEGE

Building "B", Room 325

8:00 P.M.

PROGRAM

Rick Whitford, VE3EJB, will present a slide show with commentary on his recent trip to South America. He is at present in Jamaica on another of his instruction assignments and will tell us about that also.

Business session, discussion about the constitution changes, rag chew and refreshments.

SO, YOU ARE GOING ON TWO METERS????

by Howard Fralick, VE3RL

I have been asked to comment on some of the new rigs available. Newcomers to amateur radio find it confusing because there are so many available. All of the following rigs mentioned will do a good job for you, but there are certain features that will appeal to some and not to others. I will try to be as honest as I can, based on my experience with these rigs. I have had them all on the bench at one time or another so I feel that I know most of them pretty well.

IC 20

Mobile rig built to commercial standards. Modular construction with each section built in a brass case. Each section plugs into the next. Easy to service....approved for air,

sea, and land use by government agencies. Probably the best rig on the market to-day. Costs about \$50 more than other rigs of equivalent power.

IC 21

Base or mobile....built-in AC & DC supplies. Same construction as the IC20. Has PA Tune, Calibrator, SWR Meter, and socket for plugging in RX VFO. Expensive, but if you want the very best, this is it. It has more features than any other rig the ultimate!

IC 22

An amateur version of the IC20 large speaker gives it good tone. Printed circuit board construction. Easy to service. Has socket on back for monitoring discriminator balance, etc. A well-built rigthe most popular rig on the market. Reasonably priced also!

ULTRACOM (KW)

You will be hearing more about this new rig. Popular because of its 25 Watt output for use in mobile service. Comes with crystals for 4 channels. Speaker on front for good tone and it is easily heard above car noise. Well-made. About \$35 more than the 10W rigs which is a bargain for 2½ times more power. Comes with a good manual which is superior to most of the Japanese manuals.

HEATH

If you like to build your own from a kit, it's for you. Only 1 set of crystals on 94-94 which is not of much use anymore. One crystal can be salvaged for use on 34-94. Could stand some improvement in the switch and plug department and in support for the PC board. Has separate channel push switches for TX and RX which is

not as important as it once was but might be usefull. A few bucks less than other rigs, but you have to assemble it and buy crystals. Good audio & easy to build and align.

REGENCY

A good rig but some models lack trimmers on RX crystals. Use good crystals and you will be OK. Good audio, easy to service and a good price. Not many in our area, but lots of them on the road.

GLADDING 27A & B

A synthesized rig, 25 Watts no low power position for local work or use with an amp. Lacks some popular features, but you do not have to buy any crystals. Not suitable for mobile use like all synthesized rigs it has too many knobs and switches for convenient use in a car. A beautiful base station, but requires an additional AC supply. Expensive but good.

IC 230

Broadcast quality audio. Lots of useful features not found on other rigs except the IC 21. No more crystals to buy. Not the best for mobile use, but a beautiful base station. It would be difficult to choose between it and an IC 21 except for the few extras on the 21! A bit narrow-band on TX ($\pm 5\text{KHz}$). 67 pretuned channels. If you are not a crystal man, you can't go wrong!

YASEAU F2F

A nice mobile about the same as an IC22 except not as many channels. The protective circuit for the final transistor is a bit touchy - you can get at the control for this from the outside, which is not a good idea.

Improper adjustment of this control will reduce the output. Contrary to what the manual says, it can only be set up properly on the bench. This is difficult because it really should be set up using the antenna into which it is going to work. A good rig, well-built. Not as popular as the ICOM rigs, but there are a lot of happy owners around.

DRAKE

The Drake portable is a gem. Drake is not very famous for the quality of their audio, but this little rig is good considering the size of the speaker. Crystals are expensive from the U.S.A. but Kenwood crystals can be used if you can get them. The whole Drake line of rigs provides something in every power range and feature. They are expensive in Canada. Throw away the mikes used on most of them and get a \$10 Jap mike. Parts are readily available....factory service is also available. If you are a Drake man on the low bands, you'll like them.

Some points to think about before you purchase a new 2 meter rig:

1. If you go mostly mobile, think seriously of a 25 Watt rig.
2. Before spending the extra money for a set that is synthesized, remember that you only need a couple of extra channels in addition to those you get with the new rig. You can buy a lot of crystals for that difference in price.
3. All the mobile sets can be used as a base with the addition of a small power supply at about \$30.
4. If you plan on using surplus tube type rigs which have ovens, order crystals for oven use. They don't cost any more than non-oven crystals.
5. Be sure to get good crystals. Consider the conditions they have to put up with. You expect a crystal to be right on frequency on a cold winter morning and it must also be right on frequency after an afternoon in a closed

car in summer. As a general rule of thumb, if the crystal costs less than \$5.00 U.S., it is not as good as it should be.

6. Taxi radios and surplus tube type rigs are allright as starter units, but they usually require attention that the average amateur does not have the equipment to provide. Unless you are exceptionally well-inclined technically, it might be better to wait and get a better rig later. In any event, use a preamp on the receiver and be sure that the tubes are in good shape. Get them checked about once every 6 months.

VE3RL

1974 WINTER RALLY

The rally was a great success. Almost a hundred amateurs participated. The overall amateur co-ordinator was Mike Goldstein, VE3GFN, from Toronto. Kingston/Belleville co-ordinator was H. Fralick, VE3RL, Kingston co-ordinator was Bert Hovey, VE3EW, and the Ottawa co-ordinator was Bill Marsh, VE3SB.

We manned eleven check-points located south of #7 highway and between #37 and #15 highways. All of these check-points were on back-country roads. The last car cleared our area at about 6 AM Sunday morning.

The rally people were very happy with the communications system we provided. The Belleville repeater was used all night long with great success. The Kingston repeater was also used to reach some of the check-points just north of Kingston.

We learned a lot about our equipment capabilities, our weak points and our strong points. It was the first time in many years that a hundred mobiles were pressed into service all at one time and with a common purpose.

There is no doubt that it would not have been possible without the repeater. The rally people told us that the CB boys tried to provide them with communications on the last rally and that it was not very successful. In the rugged country between check-points, it is not possible to work line of sight. With the repeater it was possible for check-points 40 miles apart to know what was going on and thereby keep traffic to a minimum.

It was a cold, clear night (5 below) in the area of activity. People had to get out of a warm bed to be at their locations on time. Some met their contacts as late as 2 AM and others were out from 6 PM until morning.

My thanks to one and all for their interest and co-operation the rally was a great success due to each individual effort. A special thank you to the Kitchener-Waterloo gang and to the boys from Toronto who came all the way to help us out.

There will be a next time, and with what we have learned it will be even more of a success.

H. E. Fralick
VE3RL

Included with this bulletin are the proposed changes to the constitution which will be discussed at the March meeting. As required by the constitution, these changes are available for the members consideration one month before the vote they were distributed at the February meeting.

New members to welcome aboard the QARC:

Dr. Don Brunet, VE3GDY

Charles Bonnycastle, VE3HBU

DUES NOTICE

The deadline for dues is April 1, 1974. After that date members in 1973 not paid up for 1974 will be deleted from the mailing list and will not receive the April Bulletin. Send dues to Mike Papper, VE3FNP, 19 Highview Cres., Belleville.

C.A.R.F.

Did you know that the C.A.R.F., the co-ordinating body of the provincial societies also accepts subscriptions for the "CANADIAN AMATEUR", its Bulletin, for \$4.00 per year from individuals? The address is Box 356, Kingston, Ontario. If you have any questions there are officers of the organization in the area Art Blick, VE3AHU, Kingston is the president and Howard Fralick, VE3RL, Belleville, is the technical editor of the magazine.

REPEATER NEWS

1. John, VE3KE, has called a meeting for March in Kempville to discuss the possibility of forming a repeater council for Eastern Ontario, Western Quebec, and North Eastern New York. Howard Fralick, VE3RL, and Barry Robinson, VE3CJC, will attend.
2. The Toronto repeater, VE3RPT, continues to cause interference locally. They have been approached by letter on an informal basis. If this is not successful, a formal complaint will be made to the Repeater Council. This problem will have to be eliminated before the warm weather arrives or it will seriously restrict the use of the local repeater.

ANYONE FOR 220 MHZ???

VE3RL has purchased 12 of the surplus No. 27, "B" sets if Howard has any left he will be glad to supply you with one. If not, you can get them from CITY SURPLUS in Mississauga.

OSCAR 7

Oscar 6 has been up for a year and is still being used. Oscar 7 will go up this Spring. A major part of the ground control for the Oscar 6 satellite has been carried out from Ottawa by Larry Kayser, VE3QB. Larry and VE2AO are working on the Oscar 7 beacon. Bob Pepper, VE2AO, and Larry, VE3QB, are well known to the VHF gang in Belleville. Larry was in on the early planning and installation of our repeater, VE3KBR. We have a photo of Larry carrying our 100 lb. diplexer into the site from the sideroad at Roblin. Bob comes down often with his father Doug, VE3OZ, who helps out with any major technical problems at VE3KBR.

Satellite gear is expensive a capacitor can cost as much as \$15.00 due to the extensive testing and selection before a part can be accepted. Help has been given in a financial way by CANADX and by individuals. If you would like to make a contribution, send it to AMSAT, Box 27, Washington, D.C. 20044, with a note that it is for the Canadian part of the program.

QUINTES PLAZA RADIO CLUB

CONSTITUTION

Article I

AIMS

(no change)

Article II

MEMBERSHIP

(a) (no change)

(1) Full Membership

- for members holding an Amateur Certification for proficiency in radio issued by Communications Canada, Regulations and being currently holder of a station licence.

(2) Associate Membership - (no change)

(3) Honorary Membership - any person, whether an Amateur Radio Operator or not, having rendered distinguished service to or in the field of amateur radio shall be eligible for life membership as an Honorary Member and accepted as such by vote at any meeting of the Club when one third (quorum) of the membership is present. His rights and

privileges shall be those of an Associate Member but not subject to dues or assessment. If elected from the Full Membership he would not be denied his rights as a Full Member. However such privileges do not include membership in any other amateur radio organization when an additional expense to the Club is involved.

(b) (no change)

Article III

OFFICERS

(c) (no change)

EXECUTIVE

(b) The Executive of the Club shall consist of four officers, that is, President, Vice President, Secretary and a Treasurer, plus five Directors. Each Director shall act as a Chairman of one of five standing Committees, that is, Field Day Committee, Programme Committee, VHF Repeater Committee, Refreshment Committee and Bulletin Committee. Directors shall be elected for a term of one year. The Officers of the Club shall be Full Members. The office of a Director may be filled by either a Full Member or Associate Member.

EVERYTHING FOR THE AMATEUR



C. M. PETERSON CO. LTD.

LONDON, ONTARIO

Wholesale Electronic Parts, Appliances & Industrial Electronics

c/o J. H. Williams
VE3AAQ

HEAD OFFICE

C. M. PETERSON CO. LTD.
575 DUNDAS ST.
LONDON, ONT.
Phone 434-3204

WINDSOR — HAMILTON — KITCHENER

SARNIA — TORONTO — ST CATHERINES

ELECTRONICS FOR EVERYONE!

Component Sets, Kit Builders! Hobbyists! Hams! Experimenters! and all kinds of "Do-it-Yourselfers" & "Fix-it Men" !!! Component Sets! Kit builders! Hobbyists! Hams! Experimenters! and all kinds of "Do-it-Yourselfers" & "Fix-it Men" !!! Component Sets! Kit Builders! Hobbyists! Hams! Experimenters! and all kinds of "Do-it-Yourselfers" & "Fix-it Men" !!! Components Sets! Kit Builders! Hobbyists!

RADIO SHACK

Experimenters! and all kinds of "Do-it-Yourselfers" & "Fix-it Men" !!! Component Sets! Kit Builders! Hobbyists! Hams! Experimenters! and all kinds of "Do-it-Yourselfers" & "Fix-it Men" !!! Components Sets! Kit Builders! Hobbyists! Experimenters! and all kinds of "Do-it-Yourselfers" & "Fix-it Men" !!! Component Sets! Kit Builders! Hobbyists! Experimenters! and all kinds of "Do-it-Yourselfers" & "Fix-it Men" !!! Comp

RADIO SHACK

244 North Front Street BELLEVILLE

Tel: 968-9222

QUINTE QRM
Box 777
Campbellford
Ontario



TO:

*Jim Rikonen
55 Graham St.
Belleville,
Ontario*

COVER SUPPLIED COURTESY OF BOOTH TELEVISION & RADIO LTD.

5 MARKET SQUARE, BELLEVILLE, ONT.