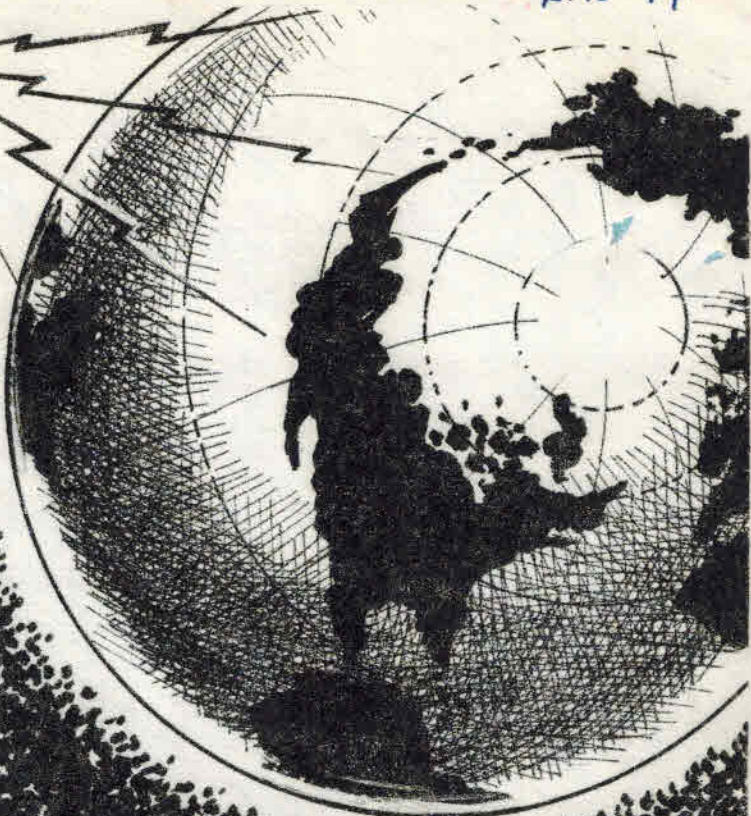


APR 74



QUINTE

QRM

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QUINTE AMATEUR RADIO CLUB

VE3BSO BELLEVILLE, ONTARIO, CANADA

QUINTE AMATEUR RADIO CLUB

MONTHLY BULLETIN

April, 1974

1974 EXECUTIVE

PRESIDENT - Bob Brain, VE3GTD
RR #1, Corbyville
962 - 7717

VICE PRES - Barry Robinson, VE3CJC
53 Campbell St., Trenton
392 - 3248

SECRETARY - Henry Fylvainen, VE3GON
20 Parker St., Belleville
967 - 1394

TREASURER - Mike Papper, VE3FNP
19 Highview Cr., Belleville
968 - 7065

MONTHLY MEETINGS: 8:00 PM, second
Wednesday of each month, Room 325,
Building "B", Loyalist College,
Belleville, Ontario.

ANNUAL DUES: \$3.00, payable to the
Treasurer.

NEXT MEETING

April 10, 1974

8:00 PM

Room 325, Building "B"

LOYALIST COLLEGE

Belleville

PROGRAM

FIIM: "Atomic Energy". This is a new film that we have managed to get from the Ontario Hydro. George Brunett, VE3BZI, will be present to comment and answer questions.

*RAG CHEW

*REFRESHMENTS

NEWS

*FIELD DAY: Barry, VE3CJC, has 2 or 3 sites lined up including Archie Smith's place at Mountain View. A decision on the site will be made soon.

*EMO: Looks like the EMO is in business for another year at least. Rick, VE3EJB, has signed up a number of interested people and will be reporting on his plans at the meeting.

The 29 B SET

1. The output of this set is very low, only a fraction of a watt, so you can't afford to lose any in coax feedlines and poor antennas. Use a 3 or 4 element beam or a Delhi Model 5Y13G Channel 13 5 element beam. Feed it with high quality tubular or foam 300 ohm line. Since there is loss in a balun, solder the line directly onto the antenna connections in the set and forget about the balanced to unbalanced situation.
2. Channel 5 cannot be used for ham purposes as it will not tune low enough.
3. Connect the common plug on the front as follows:
Pos 12V to pin 7
Neg 12V to pin 1 (Ground)
speaker to pins 5 and 1
Mike to pins 2 and 11
Press to talk (PTT) to pins 8 and 1
Pins 1 and 4 are Ground
4. Using a screwdriver, turn channel 5 TX and RX screws fully clockwise, then back the RX screw off 4 turns.
5. The receiver can be set on frequency with the channel 4 trimmer, using a signal generator or a signal from a set known to be on frequency.
6. The transmitter can be put on frequency with the channel 4 trimmer using a counter or another Receiver known to be on frequency.
7. After you have contact with another amateur using a 29 B set, peak up the RF, IF and coupling coils on the top right hand side of the chassis.

Dear Fellow Amateur:

One of many free services provided the North American radio amateur by the ARRL is the publication of the annual Net Directory.

This 20 page 6 by 9 inch brochure lists all nets whose primary function is public service and who have registered with ARRL since the last printing in June, 1973.

The Directory is divided into three parts with Part 1 being a master listing; Part 2 covers nets operating within set boundaries i.e., a single state or province and Part 3 a listing of nets by ascending frequency.

The advantages of having your net listed in the 1974 edition are many. If your net qualifies, would you please ask the Net Manager to complete the following Net Registration form and return to ARRL Headquarters or to your SCM.

Yours sincerely,

H. Shepherd

Holland Shepherd, VE3DV.
SCM Ontario.

NET REGISTRATION

1. Net Name:	
2. Net Designation (if any):	3. Freq.
4. Days per GMT:	5. Starting time(s): GMT
6. Net meets 1 hour earlier per GMT during 1ST? <input type="radio"/> YES <input type="radio"/> NO	
7. Purpose: <input type="radio"/> Traffic <input type="radio"/> Weather <input type="radio"/> Emergency <input type="radio"/>(specify)	8. National Traffic System? <input type="radio"/> YES <input type="radio"/> NO If yes, check: <input type="radio"/> Local Net <input type="radio"/> Section Net <input type="radio"/> Region Net <input type="radio"/> Area Net
9. Direct Coverage:	
10. Liaison(s):	11. Manager's Call:
12. Date Submitted: 19....	13. Sender's Call:

8. The channel 5 screws adjust the sliding shorting bars on the tuned lines and an ordinary screwdriver can be used for this purpose. The channel 4 trimmers must be adjusted with a plastic tool only as they are delicate and will break easily. Also, any metal near these trimmers will have an effect on the frequency.
9. Remember to adjust the sets on the antenna that you are going to use. A change in antennas also shifts the frequency.
10. Don't pull out tubes while the set is on, as the filaments are in series-parallel.
11. Don't attempt to remove or replace the vibrator without removing the bottom plate to see what you are doing, otherwise the socket will break if the prongs are not lined up.
12. Some sets as received have one of the channel 5 screws broken. If the shorting bar is near the front panel end of the lines on the TX side, leave it there. If the bar is at the panel end on the receive lines, solder a bus wire across the lines 1/3 of the way from the panel end of the lines.
13. Turn IC switch off to save battery current. Also remove the pilot lamp.
14. IC tubes must remain in the set even though they are not required.
15. Bill Crabbe, VE3CUK, and VE3RL are using the sets on 222.900 MHz at a distance of 1/2 mile with very good results.
16. The set requires a low impedance dynamic mike. We are using a capsule from a telephone handset. The earphone capsule works fine as a mike.

17. If you have a grid dip meter in the shack you can use it to get the set reasonably close to frequency. Another 29 B set in close proximity can also be used.
18. When tuning to get the sets down to 220 - 225 MHz, keep the following in mind:
- the channel 5 TX screw must be fully clockwise and the channel 5 RX screw must be backed off from fully clockwise about 4 turns. Adjustments are then made with the channel 4 trimmers. Tune very slowly as tuning is very sharp. You can also tune the receive channel 5 screw which tunes broadly but the disadvantage here is that you have no way of knowing where the 4 trimmer is set.
 - there are dead spots as you tune the trimmers these can be mistaken for the signal. If possible, the signal should have a tone on it for easy identification.
19. If you need an antenna, I have a few 5 element beams on hand. Have fun!!!!

See you on 220,

VE3RL

Don't forget your name and call badge when attending the meeting otherwise 10¢ goes into the club treasury to buy beer for the Bulletin editor!!!

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" !!! 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" !!!

RADIO SHACK

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" !!! 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" !!!

RADIO SHACK

244 North Front Street BELLEVILLE

Tel: 968-9222

QUINTE QRM
Box 777
Campbellford
Ontario



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55 Graham St,
Belleville,
Ontario