

SPARKS SPARKS SPARKS SPARKS SPARKS SPARKS SPARKS SPARKS

N O R T H S H O R E R A D I O C L U B Box 171 OSHAWA Ontario

EXECUTIVE & OFFICERS 1975

PRESIDENT	Bill Cox	VE3BRT	623-2267
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JAN - 1975

LAST MEETING

Election night brought us a completely new slate of officers except for the Treasurer, Steve, 3CFG and they are shown on the mast-head of this bulletin. We had another ---- & cheese party and it was once again very nice to chin-wag in a social manner with those members who weren't afraid to come out on election night. It is a tradition with some members to skip election night so they will not have to take on any responsibility in the club operations. The executive unveiled the sign 'COME ALIVE IN 75' and we hope that is what this club will do. By the way, the Club is affiliated with the RSO and if you are not at this time a member, ask the executive how you can become part of this fine organization.

NEXT MEETING Tuesday, Jan. 14, 8.00 p.m. Oshawa Airport

Bring your friends if they are interested in ham radio and remember that a number of our members are graduates from the GRS channels. Maybe you have a friend who wants to enlarge his or her scope by joining the ham radio fraternity. At the time of writing this the program for the meeting has not been decided. It will be added at the end if we receive any hot news from the executive. Due to the season, etc. they were unable to have their executive meeting until Wednesday, Jan. 8.

BITS N PIECES

Bob, 3MHM is building a new hamshack, Eric, 3HMG has taken a trade for his FM 27B as it is a bit sharp on the repeater but still has the TR-22 and is going to use an amplifier. Gary Heagle, SWL has assembled a DX-60B over the holiday season and it will be used by his father for the time being, but Gary is going to try for his license when he gets more time. Some crystals are still in the hands of 3ATI so if you haven't got yours, give him a call and make an appointment. We hear that ADD and FGL are assembling the new Heath SB-104 with the fancy readout feature. FGL also has a new Clegg portable. Bet he had to sell the car. Lester Highfield's picture was in the BOWMANVILLE

2 FM

Now that the crystals have all been obtained we have disconnected the 146.400 input and only have the 147.720 input working. We will not hear any more signals from the users of the Cherry Creek repeater coming in on OSH. If you still have only the 400 input you need to put your order into the rock factory. The second receiver will be used for control purposes and the spare transmitter is being refitted with fresh tubes where needed and will be back in service by the time you read this.

The repeater Council met on Saturday January 11 at the Holiday Inn at Niagara Falls NY. This Council has been working for the past 6 years or so to bring about a harmonious relationship between both sides of the border centred around the Niagara Frontier. Each meeting sees one or more applications for new repeater frequencies and since there are virtually no pairs that are not occupied, there is an attempt made to fit them onto an already occupied pair. The saturation point is actually reached, though, and generally there is interference by the newcomer and the users of the older repeater have valid complaints. A further split to 15 KHz. is possible but would require that the bandwidth of receivers be limited to plus and minus 5 KHz. A new Canadian council called the Northern Repeater Council has been formed and will serve such areas as North Bay, Timmins, Wawa, Sudbury and others.

Operation of repeaters is sometimes not as practical as it would appear when the idea first strikes the interested group. Often the most important item such as a high piece of ground is overlooked and all the equipment and technical know-how will not put a signal much farther than anyone's direct signal. Repeaters can be a fun thing for the builders but may also become somewhat of a nightmare. A simple repeater may not be too much of a challenge until the ugly problem of desensitization appears - and it does. Control logic, special supplies, measuring and monitoring systems can add to the complexity of a repeater and bring it into the realm of engineering. Operational costs are always important and without a source of funds, a repeater may die from lack of financial transfusion.

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RTTY

Bernie, 3ATI is now working 2 way on 75 and FIV would like to be able to go on but it appears that you need an advanced license to work F1 below 50 MHz. Some of the boys on RTTY have some very exotic gear and keep themselves so busy they don't have time to go on SSB voice operation. SELCAL enables them to selectively call up the printer of a station or stations which are shut down but become active when the proper call sign is sent. The group around here are planning to go into some of this on a limited basis. It is surprising who you find working the green keys. An article in the current RSO THE ONTARIO AMATEUR publication tells how you can obtain one of the released TTY units.

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STATESMAN. The picture was dated 1924. Dave, 3GUG picked up a few H23-BAC (like the Pip-Squeak) portables recently for 8 KHz apiece. The cases are a bit battered but the insides are in good shape. CN apparently reduced their inventory. Active Surplus in Toronto was the source.

How many times have you asked yourself and others; is there a better way to breadboard a circuit.

Take heart there is! The device is made by Continental Specialties Corp., 44 Kendal St., New Haven, Ct. 06512

Proto board assemblies consisting of one or more interconnecting strips of QT sockets and bus strips will allow you to make all the power and circuit interconnections with common solid #22 wire. They are compatible with IC's in T₀₅ and DIP configurations.

All components are plugged right into the sockets strips without messy, time consuming soldering.

All sockets are 1.32 inches wide, all bus strips are .36 inches wide. All sockets and bus strips are .33 inches thick. Leads up to .032 inches from .015 inches will plug in. 14, 16, 24 and 36 pin DIP packs are compatible.

There is only one drawback - price. They are not cheap. A QT595 which is 6.5 inches with 118 terminals is \$12.50. The price goes down to \$2.00 for the QT35B - 4.1 inches and 12 terminals.

Send for their free brochure and dream of all the untried circuits you've been wanting to try.

73 Dave, VE3GUG

STOP THE PRESS

There will be a discussion at this meeting regarding a contest between clubmembers where they may work as many stations as they can during a given time such as a Sunday afternoon with points to be awarded on the basis of distance, off the continent or some such thing. Come prepared to add your own ideas and see if we can

COME ALIVE IN 75