

S P A R K S

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NORTH

S H O R E

R A D I O

CLUB Box 171 Oshawa

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LAST MEETING

There was a discussion on the proposed or possible changes of licensing requirements and a show of hands was recorded regarding the several different suggestions. One, the Experimenter Certificate received a resounding nay. Others were mixed. A report by Bill, 3EWA on the dx scene and one by 3ATI on the recent motorcycle Corduroy Enduro.

NEXT MEETING Tuesday October 12 8.00 p.m. DURHAM COLLEGE

AUCTION NIGHT again. As usual, bring along the good stuff. We are negotiating with a famous auctioneer to keep the auction on the up and up.

BITS N PIECES

Mike, 3FIV is getting pretty close to being a country estate resident and if things work out, he will be out there with 3HMG and trying to grow a ham tower. Vic, 3ANX is still looking for a suitable out-of-town location and this is keeping him busy. He didn't make the last meeting but maybe he can report to us on the situation at this one.

Some of the club members took part in the Horse Rally mentioned in the last bulletin. Since we have no first-hand reports of the results we have to depend on Bob, 3HNH to tell all at the meeting. Maybe he was riding one of the steeds.

Harry, 3QG has received his new QUAD and will have it in operation soon on top of that new tower. It is a bit too early for any serious antenna work yet because the snow is not on the ground and the weather is too good.

The post office has hit us with an increase so our little bulletin cost has just been upped by about 20%. Our scribes have not come through with any news this time so the bulletin may be a little thinner. For those members who have received new calls and still have SWL on the mailing sticker, please pass your call along and corrections will be made. If you don't get this bulletin, write your member of parliament.

(2)

Mike, 3FIV, Brent, 3EJW, Bernie, 3ATI, and about 4 other non-hams from a couple of the plants are starting in the Microprocessor course at Durham this Thursday evening. This subject is appearing in the ham publications in increasing amounts and you have probably been reading about it. VE3RPT is going to be controlled by the Motorola 6800 system during the coming year and Bill, 3APZ gave a talk and displayed some of the gear which will be used for this purpose. Many of the functions which are unwieldy in repeater systems at the present time will be made more accessible by this system and one advantage is the ability to return to 'Square One' - back to what can be considered to be a straight through patch with none of the frills in use. This is done by physically patching through and by-passing logic circuits at the present time and 3QG has done it a number of times.

A story appears in October QST on page 32 and describes a partial explanation and somewhat useage with microprocessor control.
simplified

Some of the proposed uses for the microprocessor are:-

- Automotive ignition control
- Automotive brakes
- Automotive dash control
- Home appliances
- Vending machines
- Electronic scales
- Specialty calculatros
- Electronic games
- Automated gas pumps
- Fast food cash register
- Paper tape handlers
- Cassette tape handlers
- Communication line controllers
- Traffic light controllers
- Automotive analyzers.

are
There numerous other uses for this little computer and your 1977 or 1978 automobile may have spark control governed by the computations made by one of them. A story in the Toronto Star describes the Mpro and it is claimed to have 20,000 transistors in two large scale IC's. These are of course, equivalents. It is expected that up to 10% of the cost of the car will be made up by electronic controls etc. (let's hope the total cost is not greatly increased). Earlier stories have described the gadget to prevent the impaired driver from starting his car by requiring the driver to punch a number of buttons in the proper sequence or the car will not start. Apparently there would be a second or third chance because anyone can make a mistake but the intoxicated driver is unable to accomplish this.

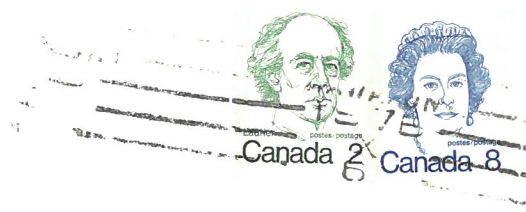
(3)

Other automotive controls may be brake controls to prevent skidding in winter, a computerized dashboard to monitor the gas tank, steering, shocks and brake condition, and such other parts which may be in dangerous condition due to wear or adjustment. Digital readouts would be a regular part of the instrument panel but they had better be easier to read than the KDK when the sun is shining.

FM

The proposed Black Fly Repeater to be located at Essonville with antenna on the tower used for Rally communications is shaping up and equipment has been acquired. Terry, 3GTS and Paul, 3AQV are trying to get it all together with the necessary control equipment and would like to have it in operation as soon as possible. This repeater would serve the summer vacationers plus the regular all-year-round travellers and would cover a large area. This site has been well tested with the Rally operations and there are quite a number of interested hams waiting for this development. The proposed frequency pair is the same as OSH - 147.72 - 147.12 RX. This has been approved by the Southern Ontario and Western New York Repeater Council but it should be on a trial basis and if it interferes with OSH then another pair should be considered. A suggested pair was the same as VE3JL uses - this being also governed by what other repeaters it may affect.

Club classes should have started or will start shortly and we wish all the new students the very best in their endeavours. It was proposed that they be held again in the Eastdale High School on - Harmony Road north at Adelaide Street in Oshawa but a call to the President or Vice-President can confirm this.



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