

NORTH SHORE RADIO CLUB

*May*

P.O. Box 171, Oshawa

Executive - 1973

PRESIDENT	Ken Clark	VE3DOC	723-1622
PAST PRESIDENT	Bernie Sandbrook	VE3ATI	655-4156
VICE PRESIDENT	Bill Gibson	VE3EWH	576-1654
SECRETARY	Don Dewey	VE3GEN	668-8776
TREASURER	Steve Wotton	VE3CFG	725-4197
REGISTRAR	John Pluister	VE3FGL	576-3009
FLOWERS & CARDS	Ted Brant	VE3ADD	668-3561

PRESIDENT'S REMARKS

May, 1973

The Field Day preparations are going very nicely with our energetic manager and his tent captains doing a fine job. With the support shown by all the members who are offering their gear etc and volunteering their services this year the NSRC will be the club to watch.

Ken, VE3DOC

LAST MEETING

Steve, 3CFG described the effects which can be the result of very high impulses caused by such things as nuclear explosions. Pulses of very high magnitude can induce high voltages in wiring which could be very dangerous to human life. Bill, 3EWA mentioned a few things of interest to those who may want to try for their Advanced Ticket. He found the D.O.C. very co-operative and suggested that you tell them what they want to know and don't overdo it. They will know if you are ready.

NEXT MEETING - Tuesday, May 8 - 8:00 P.M. Oshawa Airport

Pictures of past field days, a lively discussion (argument?) and plans for this year's outing are on the menu for this meeting.

FM

No xtals yet due to problems in the plant and a large number of crystals for commercial customers tended to jam up the works. Hang on - they will soon be here but we won't set a date anymore. The "Pip-Squeakers" met at Ralph 3CRK's house last week where they discussed the problems of obtaining parts for their transceivers. Bob, 3ADJ has one going and the others are anxious to get theirs working. Ken, 3FPP and Bernie, 3ATI

rapped the door and were welcomed but it turned out to be the wrong house so they beat a hasty retreat and went one more door west. The Repeater Council met on Saturday, May 5th near Grimsby to try and iron out any problems caused by the proliferation of repeaters in the area. 30SH had to report that they were still on the same old input frequency but would leave as soon as the rocks get here. No new developments at OSH although the solid state logic supply burned out a rectifier bridge but it wasn't installed up there so we didn't have any outage. Signals from W2UYO inputting on the same freq. as OSH are being heard quite often. They seem to be testing on the same channel that we expected to hear WB2ZWP working on after April 1. Gil, W2EUP gave a talk on the GLB-400 channelizer which he designed and a draw was held at the Toronto FM Association where John, 3COY was reported to be the lucky winner.

FIELD DAY - 4th WEEKEND IN JUNE

Plans are well under way for field day which will again be held at Bill, 3BRT's apple orchard northeast of Bowmanville and north of 3WQ's qth. Call Barry Huron at 723-9981 if you are interested in operating or wish to offer your gear for main rig or spare purposes. We need hot operators who are well experienced in traffic work and contests but also need the green ones who are willing to work and learn on the job. It is a great opportunity to learn how to operate efficiently and will help get the cobwebs out of your head. Enough of this wool-gathering. Come early and help with the antenna work, stay late and help pack up. We won't go into the background history of the guys who never can make it or who can only spend a few minutes visiting but why not get involved and do something this year. It's a nice location and the hot dogs and hamburgs taste better outdoors.

The following technical bulletin has been provided by Farny, 3BHQ who figured it would be timely for the experimenter and we print it in it's entirety.

**CANADIAN NOTICES TO MARINERS - March 23, 1973**

**WARNING Notice Nr. 296.**  
**Canada - Toxic substances in Electronic devices.** John, 3COY was reported to be the lucky winner.

**CAUTION -**

1. This notice is of particular concern to Radio Officers and operators and to persons concerned with electronic equipment on board ships.
2. The Department of Transport wish to draw attention to a possible health hazard from Beryllium Oxide, commonly called Beryllia material, the dust of which is toxic. This material is used in certain components of electronic equipment. Generally the components are power transistors, particularly VHF types, power diodes, thyristors, ceramic material where identified by blue colouration or black lines and heat sink washers.

THE HAZARD -

3. Beryllia is highly dangerous in a dust form when it might be inhaled or enter a cut or skin irritation area.
4. If dust is caused as a result of chafing, filing or breaking, and if inhaled, a single exposure lasting minutes or seconds can cause injury to skin or mucous membranes severe enough to endanger life or cause permanent injury. Particles penetrating the skin through wound or abrasions are liable to cause chronic ulcerations.
5. Symptoms of poisoning indicated by respiratory troubles or sinusitis which consists of gray-blue discoloration of the skin may develop within a week or after a latent period extending to several years.

PRECAUTIONS -

6. Caution - power transistors, diodes and thyristors as received in the manufacturer's packing are clearly identified by attached information. They should be stored in the original packing and not mixed in with other items. The beryllia is encapsulated and they are safe to handle for replacement purposes. Care should be exercised in removing defective items to ensure that they do not become physically damaged. They must not: - a) be carried loosely in a pocket, bag or container with other components where they may rub together or break and disintegrate into dust, b) be heated excessively. Normal soldering with thermal shunt is quite safe. c) be broken open for inspection or in any way abraded by tools.

7. HEAT SINK WASHERS

Not all heat sink washers contain beryllia. Those that do not are highly polished and of a dark brass appearance. When new they are packed individually. They must not a) be stored loosely. b) be filed, drilled or in any way tooled. c) heated other than when clamped in a heat sink application. They are better handled with gloves, cloth or tweezers when being removed from equipment.

8. CERAMIC APPLICATIONS

Some makes of cathode ray tubes are coated on the inside with a ceramic beryllium-oxide mixture. The tube is safe unless the glass is broken. Should this occur do not a) handle the broken glass with bare fingers, b) blow on the exposed surface because of the danger of inhalation.

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9. HANDLING

It is preferable to handle beryllia parts with gloves or similar protection. This is imperative if the person concerned has any cuts or abrasions or is suffering from any skin disease. If beryllia enters the skin it should be dealt with immediately by washing or any first-aid when it will generally be found to cause no further trouble.

10. It is recommended that parts should be handled with tweezers. No filing, abrading, dipping, machining or excessive heating should be permitted and care must be taken that parts do not scrape on a rough surface or come into contact with other parts made from beryllia.

11. If parts are broken or damaged they must be separated and securely packed. Strict attention should be paid to the manufacturer's instructions about the return or disposal of such parts.

D.O.T. 9456-13

BULLETIN NOTICES OR INFORMATION

The deadline is the end of the month prior to the next meeting. The bulletin must be written and be in the hands of our pretty typist at least one week before the meeting date. Our staff is small and so is the pay scale. News of all types is always welcome.

FOR SALE

5 Motorola type H23-BAC walkie-talkies. Handset model less handsets and antennas. Cases well used - receivers guaranteed operative. \$12.00 each.

#65 hi-speed steel twist drills. Ideal for printed circuit work. 25 cents each - a bargain.

Don Dewey, VE3GEN,

231 Wellington St., Whitby

Telephone 668-8776