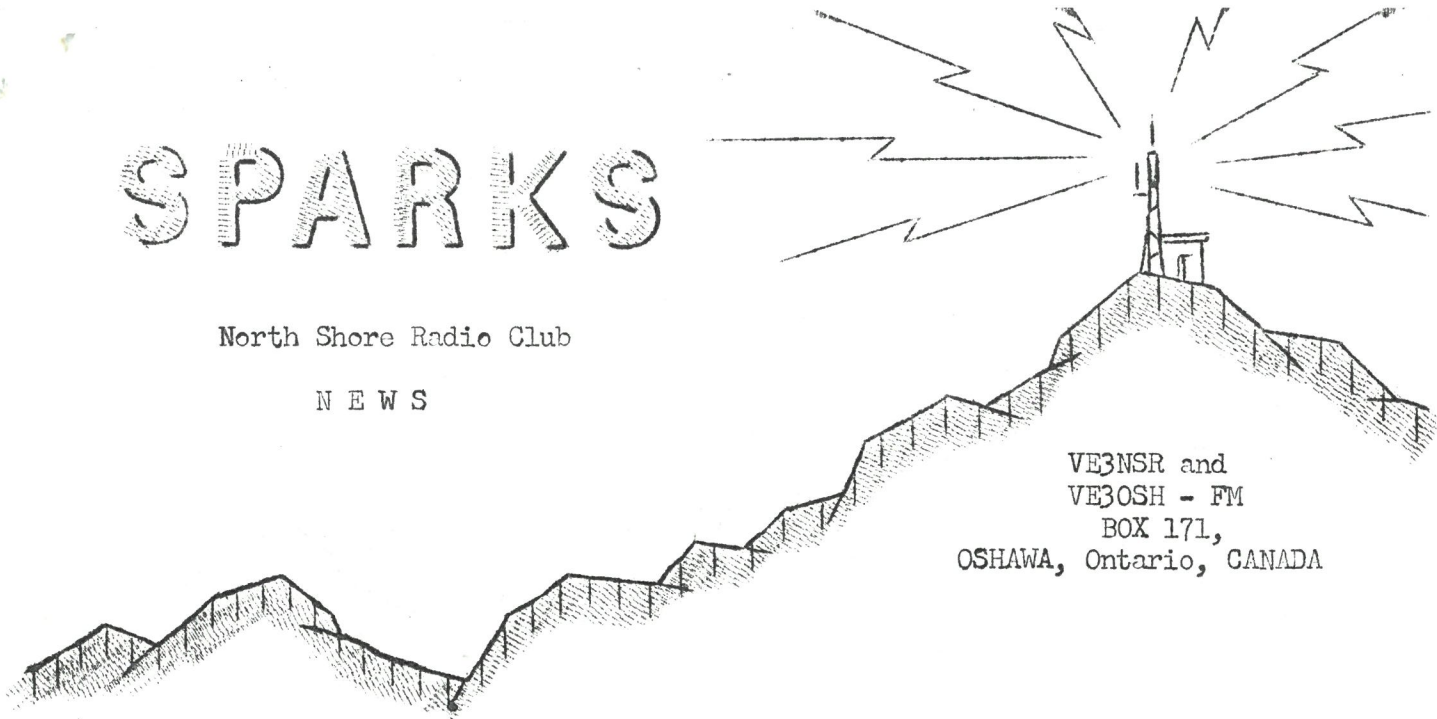


SPARKS

North Shore Radio Club

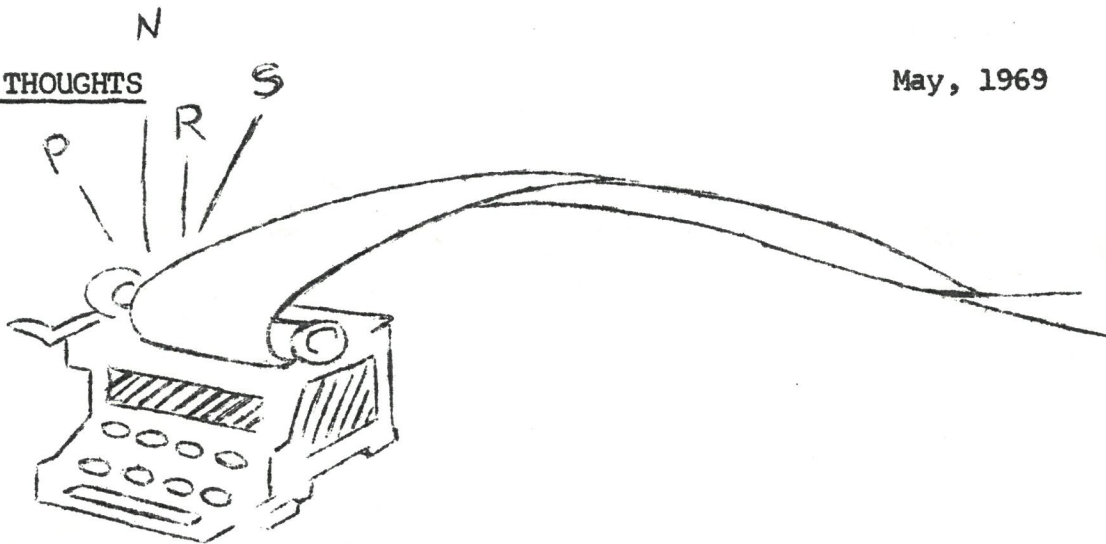
NEWS



VE3NSR and
VE3OSH - FM
BOX 171,
OSHAWA, Ontario, CANADA

EDITOR'S THOUGHTS

May, 1969



Well congratulations certainly are in store for Dave Green, VE3FYB and the other members of the Banquet Committee for entreating those present at the N.S.R.C. Banquet to a most wonderful time. There were moments that some of those present will never forget; if you don't believe me, ask Lorna, VE3GNO or John, VE3FGL.

So much for the banquet, the next "do" is going to be Field Day. I hope the club members have this date set aside and are ready to go out to the F.D. site and work hard. Now is the time to go and check your equipment - Murphy's law strikes without warning.

NEXT MEEING:

Ron Kreger, VE3DLC, President of The Canadian DX Association will be on hand to talk about DX.

LAST MEETING

John Williams, VE3AAO was good enough to come from London to demonstrate some of the gear his company sells. During the course of the meeting minds churned and pencils flashed as those present tired to find a way to fit new gear into their budget.

Claude Roy, VE3WQ, agreed to be field day manager.

WANT ADS

Wanted: (as far as we know)

- 2 - 5894 tubes. Hank VE3FHV - 668-6323
- 1 - 30" Hammond table top rack and
6AB7 tubes - Mike, VE3DKW - 723-7674

For Sale:

- 1 - Drake 2B rcvr; all xtals for 10 meters plus xtal
calibrator \$275 or best offer - Vic Baker, VE3ANX
723-7474
- 1 - HR 10B rcvr just built; aligned by Heath - \$150
Ivan Williams - 839-3134
- 1 - surplus xtal controlled 80 meter cw xmtr - \$7.
- 1 - Power supply for above \$10.
- 1 - Marconi C2 freq. meter & manual \$2.
- 1 - 2 meter halo antenna \$7.
- Assorted QST, CQ and other electronic magazines,
1958 - 1968 \$6.
- Phone Todd Pollock 725-7549

TUNING AROUND

Field Day is coming up again and Claude, VE3WQ, was talking to your editor about F.D. and was wondering about operating sites. Being new to this area Claude is still unfamiliar with the area to a certain extent. I think you'll find that this F.D. is going to be more of a work session testing operator ability rather than a chance for the OM to get away from the maddening crowds at home. I think at the next meeting we should help Claude by finding out what equipment is available and from whom.

Hassel Tot, a prospective club member and new ham was lucky enough to win a 1969 ARRL Handbook donated by C. M. Peterson of London. It was just the book he had been looking for.

There were several other prizes given away, such as a Ham Radio Magazine; I've forgotten who won that and a set of maps and an Atlas showing all call areas which was won by Lorna, VE3GNO.

I see that the Nortown club has their banquet on May 3rd. I guess it will be all over by the time you read this, I wonder if anyone from our club was able to attend.

I see that the Scarboro bulletin editor is having the same problem as myself. He threatens that the May bulletin will be several sheets of blank paper unless people donate news.

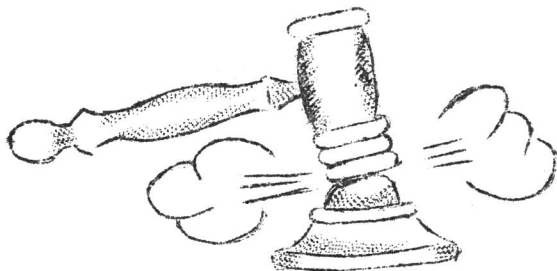
Getting back to Field Day: I have noticed that S.A.R.C. has all of their gear and people ready from 80 to 2 meters phone and cw. I think our problem may be getting the proper gear for cw.

Official Bulletin NR. 215 from ARRL.

Field Day 1969 June 28 and 29, will retain all of the popular features introduced in 1968. Only one change takes place this year permitting those clubs who prefer to set up ahead of time to do so. If set up time takes place before 1900 GMT June 28, the group may operate no more than 24 consecutive hours out of the 27 hour Field Day.

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PRESIDENT'S REMARKS



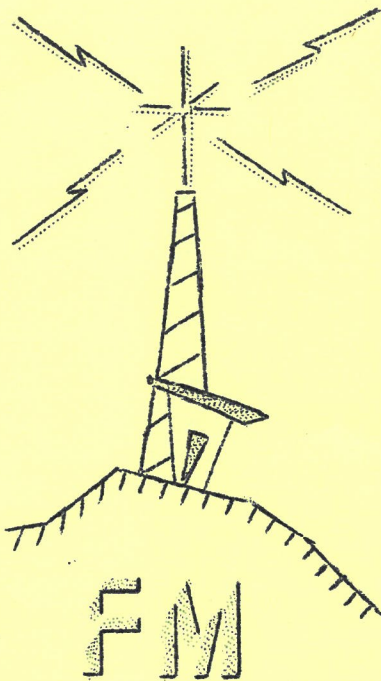
Three cheers for Dave Green and his committee for putting on a marvelous banquet. The food was excellent and the music was great. For those who could not attend, you missed a grand evening.

Field Day is on June 28th and 29th. Scarborough Club has band leaders for 5 bands, CW and phone, equipment operators also. Looks like they are just waiting for the time to fire up. How about you? Have you talked to our Field Day Manager, Claude Roy. He can't do it all himself so give him a call and pledge your support.

Ralph, VE3CRK

* * * * *

VE3OSH - - OSHAWA REPEATER



Good news for FMers this month is the automatic log keeping in operation since April 1st. Mobiles and base stations are now relieved of the responsibility for log keeping when working through VE3OSH. A word of caution, however; all stations are asked to follow a few simple suggestions to make sure each QSO is properly recorded.

- (1) Utilize only the initial 7 seconds of your first transmission for logging in.
- (2) At the end of QSO let the squelch drop completely and SO.
- (3) You may ask another station to sign out for you if the channel becomes busy!
- (4) After sign-in it is not necessary to drop the "tail" in fact for economy of tape storage it is desirable to keep the station transmitter ON.

A brief description of the log apparatus will serve to elaborate on the above.

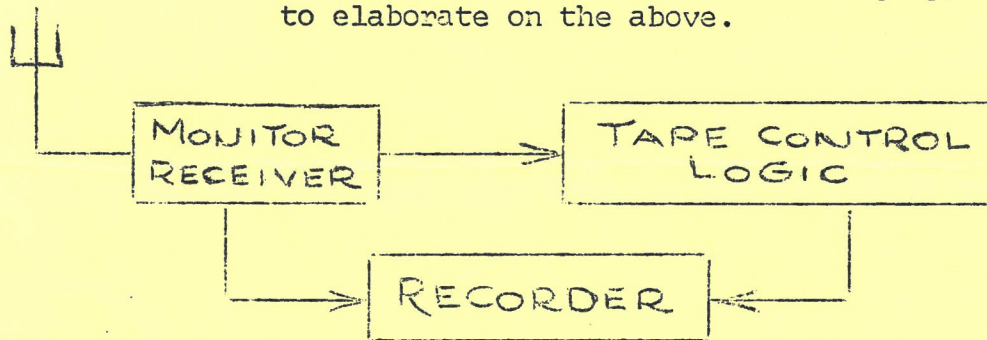
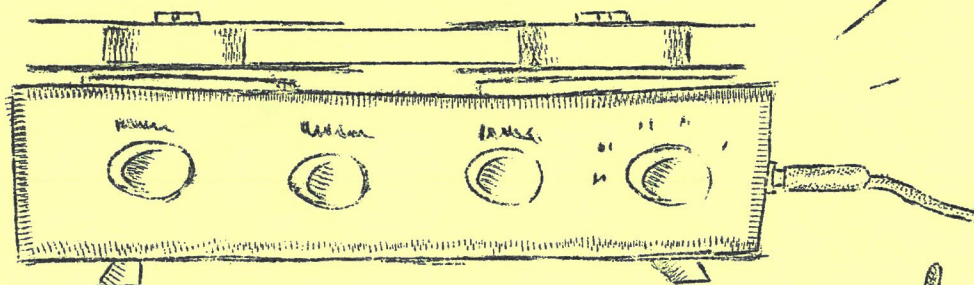


FIG. 1

Refer to Fig. 1. When the Control logic "sees" an incoming signal the Recorder is "turned on" either for the duration of that signal OR for a period of 7 seconds (whichever occurs first). In order for the logic to reset, the signal must disappear, and in the case of OSH, the transmitter must turn off. The 7 second period was chosen after trial, and provides sufficient time to record such information as TIME, STATION CALLING, LOCATION, etc.

A few useful side effects have been available since the log went into operation such as a convenient method of recording signal conditions at any location at any time for purposes of determining VE3OSH's effective coverage. It also serves as a perpetual monitor of stations who regularly or irregularly use the channel including recorded signals from Buffalo, Pennsylvania and Ohio.



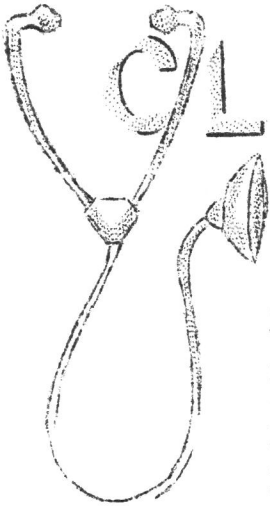
someone's listening!

AMATEUR AUTOMATIC REPEATER STATION OPERATION

The following is extracted from Radio Regulations and will be of interest to all users of Repeaters:

1. Automatic Repeaters shall transmit in the 50-54 Mc/s or higher frequency amateur bands.
2. Control station transmission frequencies shall be within 144-148 Mc/s and higher frequency amateur bands.
3. The licensee of an automatic Repeater station shall be responsible for:
 - (a) prevention of unauthorized access to the Repeater station and associated equipment;
 - (b) operation of the station in accordance with the Radio Regulations, such as, log keeping, monitoring of transmission and overall control.
4. The control sequence required to actuate the remote transmitter is restricted to the licensee of the automatic Repeater station in accordance with the endorsement appearing on the Control Station licence. Once the licensee has actuated the Repeater, he may permit other licensed amateurs to use it in their operations.
5. The transmissions of an amateur experimental station controlling the Repeater station shall be identified by its call sign followed by the call sign of the repeater station.

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Clinics will continue as usual as the Oshawa Airport April 24th, May 1st, 8th, 15th etc. Oshawa Airport, Rescue Services Building-- 7:30 p.m. Remember to contact the Technical Committee as to your requirements for the night you wish to attend.

Some of the people we have helped at our recent Clinics are: VE3BSY Stan -- after checking his receiver thoroughly and re-aligning the Discriminator Stan is now obliged to drive into Raglan to hear the repeater his Receiver is so sensitive. Likewise VE3FHV Hank visited us with his Preprogress GE rig and we were able to "lay on him" our tremendous practical knowledge of FM complete with sound technical terminology. We hear that Hank's rig recently burnt up---attending to our incomparable Clinical assistance.

FM NET

Little thought was given to such things as emergency rescue service, Santa Claus parades, hurricanes, fires and the like when VE3OSH was first conceived. And the number of occasions may be rare when our mobiles will be put to use "in the public service". But a little nose-counting of stations who are capable and willing to check into a regular net to demonstrate their ability to maintain a station on the air never does any harm.

Join us on the FM Net at 7:30 p.m. EVERY Tuesday. Our net control will be John VE3GDK, Hampton. Even if you don't have "traffic" make sure you have all the Tuesdays pencilled in!

Get well!

Small problems are still plaguing the Repeater, one of which is a persnickety Call Sign Generator. Bernie VE3ATI insists that things are still quite experimental with the device after several trips up the hill to tame his brainchild. Things seemed to be settled down at last, but then one unsuspecting afternoon it took to catterwallowing and behaving in a most unmannerly fashion and had to be removed for deep surgery. Your cards and letters as usual would be very much appreciated.

CHECK-INS!

I've lost count of the number of stations who are now using the repeater, but some of the newcomers include:

VE3GTS, Terry - Newcastle
VE3WQ, Claude - Bowmanville (extremely depressed area)
VE3DSB, Nobby - Scarboro
VE3AL, Al (Alleeboo) - Toronto
VE3BDW, Paul, Markham
VE3ABV, Jack, Oshawa
VE3FHV, Hank, Oshawa

welcome!

KITCHENER-STRATFORD-WATERLOO-INGERSOLL REPEATER

With a name like that by the time you sign in there's no time left for the QSO. VE3KSR is soon to be activated in the Kitchener-Waterloo area (just waiting for the station license) with input on 146.34 Mhz and output at 146.94. Like Oshawa this area is enjoying a rather phenomenal growth in FM with one or two new stations joining their ranks every week. The station will be located at Baden Hill which is also the location of the local radio station and their antenna height will be some 1600 feet above mean sea level. This should give them excellent coverage of the Kitchener-Stratford-Waterloo-Ingersoll area and we await their start-up ceremonies with interest.

Coverage --

Reports are coming in regularly either by the log tape or (excuse the expression) DC band activity that the repeater is being monitored many locations well beyond our expected coverage. As examples we have logged W8ATS from Columbus, Ohio, and another amateur living in the vicinity of Dayton hears us regularly and is seriously considering installing the input crystals for OSH in an effort to contact us. The station transmits an excellent signal towards the west. During a recent trip by the writer in the Kitchener area we were able to copy signals from Raglan as far west as Guelph from the mobile. After all the bragging is over, however, we still have a long way to go and plans even now are well under way for a strenuous summer on the Hill making every effort to get maximum performance from our Rube Golberg special!