

DECEMBER EDITION - 1978

EXECUTIVE AND OFFICERS

THE NORTH SHORE AMATEUR RADIO CLUB

President	Bob Miller	VE3HNH	723-0601
Vice President	Don Dewey	VE3GEN	668-8776
Secretary	Cy Hamilton	VE3LET	263-8157
Treasurer	Steve Wotton	VE3CFG	725-4197
Registrar	John Pluister	VE3FGL	655-4269
Get Well Cards	Ted Brant	VE3ADD	668-3561
Editor	Glen Flintoff	VE3AEQ	725-6408

NEXT MEETING:

The next meeting will be in the form of a Wine and Cheese Party at the Canadian Legion Hall - Branch 43, Simcoe Street South, Oshawa.

NOTICE THE DATE - TUESDAY, DECEMBER 19 - THE THIRD TUESDAY OF THE MONTH!

All members and their YL's, XYL's, YF's, etc. are welcome. This is funded by your membership dues and ingredients chosen and purchased by Bernie ATI.

NEWS ITEMS:

We are all rooting for an early recovery for John ILB who has been hospitalized with a blood problem.

We welcome President Bob HNH and Dianne back from their Hawaiian holiday.

The date of the annual executive elections will be held over until February and the announcement of that date will be given at the January meeting. The reason for this is that in order to safeguard our club name and be sure that no one else registers it ahead of us, the present executive along with Harry QG and Bernie ATI are proposing the incorporation of the N.S.A.R.C. and in order to provide the continuity to follow it through, are prepared to stay in office for the necessary extended period of time.

Having the club incorporated provides an additional safety factor in the case of lawsuits which could arise from possible injuries at field days or other activities.

The following is a notice of motion drawn up by Steve CFG and covers the situation admirably.

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NOTICE OF MOTION

- Whereas - the club executive has investigated the relative advantages of Incorporation of the N.S.A.R.C.
- and whereas - it appears definitely desirable to do so, especially as pertaining to present personal liability of our membership
- and whereas - the cost to do so will only approximate one hundred dollars (\$100)
- and whereas - it would be convenient to retain the present executive until the Letters Patent has been applied for
- be it therefore resolved -

- that - the executive be so empowered to apply for incorporation at club expense and continue in office until the 1979 executive is duly elected.
- and that - the annual election of officers be postponed until February 1979 meeting.

Steve CFG also had good news of Camp X and its reconstruction, so it seems all systems are go.

The following editorial by Perce AEX tells it 'as it is'.

From the Squire of Brooklyn:

This is a message to the newcomer club members, and to the younger club members, in terms of club membership.

Why do you come to club meetings? And why do you join the club? The answer is quite simple. It is because you belong to that large and friendly group of radio amateurs and radio enthusiasts deeply interested in our hobby, and are anxious to meet others having similar interests. Coming to the meetings provides an opportunity to do that in a friendly, helpful atmosphere where you meet and are able to talk with, exchange views, discuss circuits, schedules, band conditions, B.X., station activities, etc. with friends who would just be VE3XYZ here, name Joe, you're 5 9 here, rig here is, etc., otherwise. If you stop to think, though, while all of this is in the name of the game, and is very enjoyable, and the speakers and subjects are very interesting and informative, it all doesn't just happen, but is the visible result of the work of the club executive for whom I recommend a sincere and hearty vote of thanks and appreciation for a job well done.

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These club members certainly are busy with their own responsibilities other than club duties, but they are willing to make the effort required in order to find time to meet and plan the monthly meetings. You know, 'Give the job to a busy man, he will get it done'. However, comes a time when all of the senior club members have done or are still doing their share to support the club in various ways, and this is where you younger and newer club members have an opportunity to help. Everyone of you has at least some spare time, and you all have talents to do specific things for the club.

Having served for years on the executive of the old Wireless Association of Ontario, formed in 1913, and being involved in several group activities of similar nature, I can assure you that many long-term friendships develop. To paraphrase a present-day expression, instead of 'What can I get from the club', ask yourselves, 'What can I do for the club?' I am familiar with the feeling 'I couldn't do a good job', or 'With all of those older, more experienced amateurs I would feel uncomfortable'. Believe me we all started out as new-comers, and if our club is to continue as a growing centre of ham activity as it now is, we must have new blood in the executive. Don't wait to be nominated; after all others are a bit reluctant to nominate you not knowing of your willingness to serve. Stand up and if necessary say I am inexperienced, but I would like to help. You will be surprised at the added pleasure and satisfaction that you will derive from being a larger part of things. Now 50 years later, nothing touches the pleasure of working some of the former members of the old W.A.O.O. executive - unfortunately their ranks are thinning.

So now, you younger club members, stand up and be counted. With all of the many activities that are to be planned, you will enjoy taking part in their arrangements. You also will demonstrate to others that being a member of the executive is not a fearsome challenge, but a real source of pleasure and companionship.

I wish you every success for the coming year.

73 & 88's Perce, VE3AEX

REPORT OF ACTIVITIES OF THE NORTH SHORE AMATEUR RADIO CLUB TWO METRE NET

The month of November has shown a further increase in net activities, with an average of 46 check-ins for the five nights. Eight American stations called in a total of 15 times, again attesting to 'Good old OSH's' wide coverage, and the net's popularity.

As usual the news items aired were of general interest, covering club activity, station happenings, and reports of club members or associates in hospital, etc. On behalf of all, I would like to express our sincere sympathy to Bill VE3CUJ and Betty, in the sad loss of their daughter Beverly on November 8, 1978. It was my pleasure to visit Bob VE3LLE and John VE3LIB in the Oshawa General Hospital this week and I found both in good spirits. Bob hoped to be discharged the next day, but John's stay there was indefinite. Still awaiting test results. Don VE3HDV did not call in last Thursday night, but that likely was a result of his move to a different QTH. We'll look forward to hearing you, Don, when you are re-established.

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A word of thanks to Don VE3HYW for his capable assistance in replacing the antenna halyard that was broken by the high winds on Friday night, November 24. Single-handed it would have been very difficult. Thanks, Don.

Again a reminder of the Dominion Store Tape Drive to help to provide a motorized wheel-chair for Don VE3HDV. This is a South Pickering Club project and our help has been requested. This is a worthwhile endeavour. If those having tapes to donate will contact Ralph VE3KDN, Evan VE3IND or Perce VE3AEX pickup will be arranged.

And finally, to Bob VE3GND, that staunch advocate of 'Let your fingers do the talking' - hope that you had a happy St. Andrew's day.

To close - my thanks to all who help to make the net a success.

73 and 88's, Perce, VE3AEX, Net Control

TEKNICKLE SEXSHUN:

Instead of the usual small contributions I am submitting a reprint of part of Bud Punchard - 'UD' Antenna Info, in the hope that it will dispel some of the 'weird wireless wisdom' we have heard relating to antenna and feeder systems. The complete article requires too much space but reference are given for further study.

TRANSMISSION LINES AND SWR

How often have you heard?

1. My antenna is perfectly matched right across the band SWR 1:1
2. Just cut 5 feet off my coax. cable and now SWR is 1:11
3. SWR is 4:1 so I can't get out - not enough power in antenna
4. Transmitter won't load and reflected power is burning up the output stage
5. Dipole antennas must be operated at their resonant frequencies to be efficient radiators
6. Transmission lines must be half wave long
7. SWR varies depending on where it is measured

ALL THESE STATEMENTS ARE FALSE

Ref. Maxwell QST April 1973 June 1973 August 1973 October 1973 April 1974
December 1974
September 1975 J.C.R. Punchard VE3UD

THESE ARE TRUISMS

1. SWR normally rises on each side of the resonant frequency of an antenna. A constant SWR across the band indicates something wrong with the system or measurement.

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2. Changing length of line does not change SWR.
3. When properly tuned all transmitter output power except that lost in the line and that due to SWR is dissipated in the antenna.
4. The transmitter output circuits may not have the range or rating to withstand voltages or currents developed when matching the impedance presented at the transmitter end of line when SWR is high. The inability to load the amplifier properly may damage components.
5. A properly tuned dipole antenna can be an efficient radiator on frequencies other than its resonant frequency when operated within one band.
6. A coaxial line is an efficient power transfer device and may be any reasonable length if properly terminated.
7. If conditions are right SWR is the same at all points along the line, by definition.
8. Tuning of the transmitter end of line does not change the SWR.
9. SWR depends on matching conditions where the line connects to the antenna.
10. At frequencies below 30 MHz decrease in signal strength caused by losses is imperceptible for SWR less than 3:1 and normal line lengths.
11. Losses on an open wire line are so low that lengths of hundreds of feet are practical.
12. A half wave line is a 1:1 impedance transformer. A quarter wave line exhibits a teeter-totter effect around its characteristic impedance.

Prepared by Bud Punchard VE3UD
February 1975

ARTICLES FOR SALE

Here is a rare opportunity for you collectors -

QST's complete with four or five volumes in binders:

years 1935 to 1955 complete - \$50.00
years 1965 to 1974 complete - \$20.00

Call Ted ADD 668-3516

1 - New Motorola 'Motrac' 2 Metre Solid State Transceiver
complete with control head - \$200.00

Call Chris 889-2732

A VERY MERRY CHRISTMAS TO ALL!

73,
GLEN - AEQ