

NORTH SHORE AMATEUR RADIO CLUB

N.S.A.R.C. EXECUTIVE FOR 1994

JAN

**JANUARY
"SPARKS"**

President	Robert A. O'toole	VE3VKM	576-4264
Vice President	Casey Coley	VE3NGT	623-0264
Treasurer	Laird Solomon	VE3LKS	434-7339
Secretary	George Day	VE3UEH	432-1368
Program Dir.	Peter Johns	VE3WWZ	723-9049

CLUB COORDINATORS

A.R.E.S. Coordinator	Margaret Jeffery	VE3BNN	725-1238
Special Events Coordinator	Ralph Day	VE3CRK	576-8738
Bulletin Editor	Victor Doty	VE3LNX	983-5831
Bulletin Publisher	Glen Goslin	VE3LIZ	725-1545
Club Historian	Mike Sherba	VE3DKW	723-7674
2 Meter Net Control	Roy Miller	VE3AAF	852-5447
Registrar	Keith Wyard-Scott	VE3GDF	723-5758
Get Well Cards	Colin Bell	VE3CEU	723-7842
Nonquon Canoe Races	Glen Goslin	VE3LIZ	725-1545
Field Day	Tom Rogers	VE3BTR	640-5549
Instruction Coordinator	John Nicholls	VE3SII	683-2495
Auditor	Rick Gibson	VE3ASH	434-2886
Lists and Labels	Paul Dale	VE3LHZ	434-6741
Jamboree On The Air	Tom Rogers	VE3BTR	640-5549
Club Inventory	Len Nixon	VE3SVD	985-7120
Ride For The Handicapped	Ralph Day	VE3CRK	576-8738

Meetings are normally on the 2nd Monday of the month at 19:30 SHARP at the Arts & Resources Center in Oshawa on Queen Street.

The Thu. night net convenes at 19:30 hr's, & CW practice at 20:30 to 21:30 hr's.

The Agenda for January is going to be on Amtor & RTTY. The talk will be put on by VE3TIG Fred, so if you were wondering what it is all about be sure and attend the next meeting.

North Shore Amateur
Radio Club Inc.
P.O. Box 171, Oshawa
Ontario L1H 7L1



Trivia Answer

The first Radio Amateurs VHF Manual was introduced in 1965 and completely reworked again in 1968. The third edition was introduced in 1972 and was well overdue at that point due to the bewildering and varied developments in VHF frequencies. (Editor)

VE3CNE Valedictory & Thank you

Having just turned over the VE3CNE committee to Geoff VE3KCE I looked back to where it all started. Many years ago when I had just purchased a 2m FM mobile, I came across the North Shore Thursday night net. I think the late Percy was Net Control and I was welcomed like an old friend (Roy VE3AAF still does that).

In fact, it was so friendly I came out and joined the North Shore A.R.C. After a couple of GREAT Field Days on Ground Hog Hill I came to know many of club members. Very many fine friends some unfortunately now 'silent keys'.

Among the many memories are VE3LNX Vic and VE3BTR Powerful Tom, both then working hard for their tickets; Tom's generator throbbing away for 24 hours and Tom attending to it like a baby; the 'air conditioned biffy' on a cold night; the magnificent aroma of coffee on the same cold night (took me back to my old R. C. Signals days) and *one shift* with VE3ATI Bernie to get my code up for my advanced, TU Bernie.

Some incredible times.

Around 1983 I was asked to be our President's rep. at the Presidents' Council. One of the major concerns of the Council was the operation of VE3CNE at the Canadian National Exhibition. In the second year I was elected *for one year* as Chairman of the VE3CNE Committee. One year lasted until last September. This was one of the most

satisfying periods of my life. VE3CNE was well received by most of the clubs in Ontario and North Shore has always been in the forefront. Our club has provided not only financial help but has always sent a fine group of operators. I am very grateful for this support. The station has been the best show case for amateur radio in Canada. It has seen an 11 years old boy come as a visitor one year; the next year he came as a licensed ham; and the third year as an advanced ham - and that was before the qualifications changed.

One year we had a New Zealand ham who was working his way around the world and who helped at the VE3CNE station for the entire Exhibition.

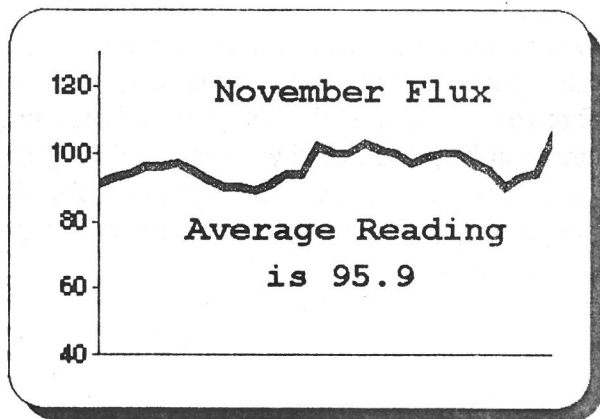
One year one of the YLs on the Committee (VE3COH, Mary) was at the counter and a Ham from a small West Indies island came to sign the Visiting Ham Log. They looked at each other and realized that they had co-operated in passing the news to a local Ontario lady that her father had just passed away; talk about a small world!

It illustrates the value, the wonder and the friendship of Amateur Radio. Which brings me back to the beginning. Friendship is what it is all about. I have often said that "on VE3OSH you usually get entertainment or education and *always get friendship*. I am very proud of the friendship found at the N.S.A.R.C. I am very hopeful on future Field Days of calling QRZ VE3NSR North Shore Radio.

Good Luck in The Contest of Life.
73 de VE3IND / Evan Herriott

It Takes One To Know One

It was Sir Arthur Conan Doyle (1859-1930), creator of the world's best-known detective, Sherlock Holmes, who said: "**Mediocrity knows nothing higher than life itself, but talent instantly recognizes genius.**" (Editor)

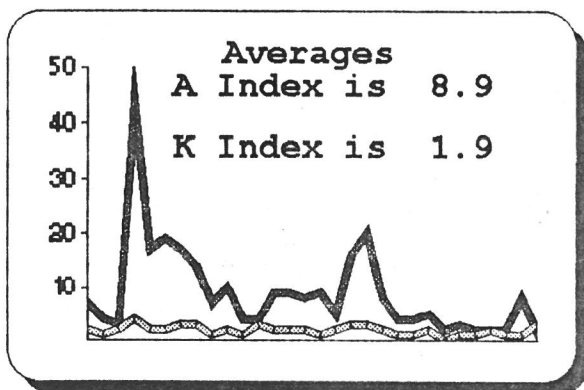


Its Illegal

In Kansas it's illegal for eating places to serve ice cream on cherry pie AND it's illegal in New York City to have a deck of playing cards in an apartment located within a mile's radius of an armory. (VE3PLM)

Take It Or Leave It

It was William Wordsworth (1770-1850), the romantic English poet with a most appropriate name, who said: "The wiser man mourns less for what age takes away than what it leaves behind." (Editor)



Another Hint

To remove water spots or hard water build up from your stainless sink wipe with white vinegar and flush well with water then buff with dry cloth AND treat rust marks on your stainless sink by rubbing them with lighter fluid, then wipe clean with liquid cleaner. (Editor)

"Good Ole OSH" 25 Years Of Service

Some older members and ALL new members are not aware of the trials and tribulations that were ensued in starting up the repeater and keeping it on the air. VE3OSH was kept "alive" by donations of time, money and equipment from many over the years. As of October 1990 there had been a total of \$6279.48 spent on repeater equipment not counting donated gear. But before we go any further lets review a little bit of a history back to the time before "Good Ole OSH" was first conceived. Many years ago a hill top overlooking Oshawa at the corner of Wilson Road and the 10th concession (of what used to be East Whitby township) was used by some of the older hams to do some DXing on 5 (now 6) meters and 2 meters. Many good QSO's were made across the lake. There were many challenges in those days, you had to build ALL of your gear , If you went to your local radio store you could get components to build your tube equipment if you could afford it or you had to scrounge the local surplus and radio stores for some piece of old radio equipment that was going to be junked so you could salvage some part to help you complete your home brew equipment. (I understand VE3AZT Earl Fowler's radio store in Oshawa was a popular place for that sort of thing back then). I guess what I am getting at is that it had been proven many times that it was a very good area to work across the lake or in nearly any direction because of the elevation and access in most all directions. At this time there were very few repeaters in this part of the country, VE3RPT, VE3NRS, W2EUP and a few others, but all in all they were very scarce. These machines came to be because of the surplus Motorola, GE and Pye mobile equipment of the time. Normally this gear would have ended up in the dump but hams,

true to their nature managed to salvage many of them just in time. In some cases it would take several non working pieces of equipment to make one working one. All of this equipment was tube type as the transistor had not come into its own yet, so all equipment was large and heavy, but the tubes were quite reliable and relatively cheap (that was a very important factor). As an example the capability of a simple (what we call simple today) Icom IC-2AT with the thumb wheel frequency selection, to duplicate its capability would require enough equipment to fill a 6 foot high, 24 inch deep, 19 inch wide Hammond panel rack or equivalent and then not be able to do the job properly, plus use enough hydro to run your shack and heat it at the same time, and just think you can put that in your pocket and run it all day on a couple of rechargeable batteries.

Anyway back to the topic at hand, a site had to be located, and the Oshawa Skeet Club looked like a good choice.

On **June 27 1968** negotiations with the gun club were worked by VE3BIC, VE3QG with Doug Branton and Rick Sheridan directors of the Gun Club. An 18 month lease was worked out then annually at \$150 per year.

On **July 10 1968** VE3ARV, VE3BXA and VE3DHL T.F.M.C.S. directors met at the EMO building with VE3ATI, VE3BIC, VE3FIV, VE3RP and VE3QG in reference to locating VE3RPT at the site until their new location became available.

On **July 11 1968** the tower for VE3OSH was erected and the hydro service was hooked up.

On **July 20 1968** VE3RPT was installed at the gun club and put on the air.

On **November 24 1968** VE3RPT was moved to the new Toronto site.

The first repeater at "Good Ole OSH" was housed in a half height Motorola cabinets, which was toted up the muddy hill by VE3ATI, Bernte and VE3FIV, Mike with VE3QG,

Harry doing some pushing. Seems as Mike was not wearing adequate foot wear for the job at hand and Harry kept referring to them as dancing shoes. By the way the cavities were made by VE3QG, Harry.

The date was **November 30th 1968**, the repeater consisted of a Marconi transmitter and a receiver strip donated by VE3RP, Rae. With some design assistance from VE3BIC Bud Clark, VE3ATI Bernie, made a call sign generator patterned after the one at VE3RPT. It came on once every 15 minutes and proudly announced the callsign VE3OSH. It used some of the early transistors which would seem out of place compared to the ones available today, but there was very little choice as the transistor was fairly new with very little selection. The unit operated on the principal of a light source being interrupted by Letraset strips, the receptor was an IBM reader kindly supplied by VE3ARV, Van. The disk had two calls on it so it just rotated half a revolution each time and would stop automatically as soon as it sensed the end of a string and was ready for the next 15 minute pause. Later the strips were replaced with paint and were produced by carefully masking the necessary areas and using a spray can. The first repeater at the OSH site was on 147.120 with a - input of 146.400, it was changed on **March 4 1974** to 147.720 and is still that way today.

On **October 16 1971** VE3ADJ, VE3CTN, VE3DDD, VE3FIV, VE3GEN, and VE3QG replaced the existing antennas with two Andrew 21 foot collinear antennas with heliax feed lines. [The original antennas were made by VE3BIC, Bud and were 5/8 wavelength verticals. A couple of years ago one was still in service at Bernies cottage.] The RX antenna was mounted on top and the TX antennas was mounted on the side of the tower, all this was courtesy of VE3GEN, Don.

On **August 11 1970** the first Sermon On The Mount was held with approximately 25 members attending. There were several telescopes set up to look at craters on the moon.

On **January 23 1972** the Marconi TX and RX was replaced with two Motorola 80D sets, one being on standby, courtesy of VE3GUS of Motorola.

On **April 4 1973** VE3FIV, Mike and VE3QG, Harry went up to OSH to see why it was off the air. There had been a heavy rainstorm which turned to ice and VE3FIV got stuck on a hill on the 10th concession. VE3QG was lucky he got up the hill and was able to watch Mike try many times before he managed to get up, while Harry was able to watch from the comfort of the club house. VE3CKK Bill was able to phone the township and get them to send a truck to sand the hill and with in two hours Mike and Harry were able to be on their way home.

On **April 8th 1972** OSH was put off the air by a fire which destroyed the gun club main building, but OSH was back on the air three days later with a temporary hydro service.

On **June 25 1973** VE3FIV Mike designed and built a control logic system which allowed remote control of the equipment by touchtone.

On **June 6 1974** a new QA-202 Sinclair duplexer was installed (cabinet courtesy VE3CMM).

In **February 1976** two new Motrac 90 watt transmitters and power supplies were installed. (the 80D power supplies were modified to work with the new Motrac transmitters.

On **September 20 1978** the receivers were replaced with narrow band strips.

In **November 1978** VE3QG met with the N.S.A.R.C. Executive with a proposal that, if the club was to incorporate, the owners of VE3OSH would after a five year trial period give the repeater to the club (less any loaned equipment). The executive agreed and VE3QG took care of the necessary legal work to incorporate and "Letters Patent" were signed by Frank Drea, the Minister of Consumer and Commercial Relations on **January 4 1979**. Bylaw III of the N.S.A.R.C. Inc. was enacted

February 3 1979 confirming the above proposal.

In **March 1980** a new Sinclair Rapier antenna (courtesy VE3RP) was installed by VE3HMG Eric with VE3QG Harry and VE3ATI Bernie acting as ground crew.

In **March 1980** a 1 kw. Sola voltage regulating transformer was installed (courtesy VE3FGL).

In **May 1980** the two top sections of tower were removed because over the years most of the rivets were beginning to loosen up causing noise and spurious signals. The 21 foot Andrews antenna had exceeded the load limitations of the tower, no loss of coverage was noted.

In **July 1982** VE3FIV Mike designed and VE3QG Harry built a new CMOS control logic using new Mitel 8860 and 8865 touchtone decoder chips, which enabled better remote control of the repeater.

On **May 18 1983** new CMOS logic was installed by VE3HMG Eric and VE3QG Harry, and VE3RP Rae did the testing from home.

On **November 25 1983**, transmitter "B" was removed and taken home for some semi major repairs.

On **December 2 1983** while checking for antenna noise the Sinclair antenna was removed from the tower by VE3LLE Bob with the help of VE3HMG Eric.

On **February 5 1984** VE3HMG Eric installed a new 8' mast on the tower

On **February 16 1984** a new model SRL-224 Sinclair dipole array arranged for omni coverage was installed by VE3HMG Eric (up the tower), VE3ATI Bernie and VE3LLE Bob on the ground and VE3QG Harry supervising the whole operation.

On **December 4th 1989** there was a new RC-96 controller was added to the system, this took many trips to the hill in the cold weather to get all of the bugs out of the system.

On **February 19 1991** the Micor transmitter decided to self destruct which meant another trip for VE3HMG Eric, up the hill in the snow to remove the unit.

On **November 26 1991** a new Version 5 CTCSS tone board was added to the controller.

On **July 13 1992** Sermon On The Mount was held at the repeater site with approximately 100 people in attendance. The refreshments were looked after by VE3SVD Len and VE3BTR Tom, people are still talking about the Super Sausage Dogs.

In **March 1993** there were problems at the repeater with high SWR, after a lot of checking by VE3HMG Eric and VE3SVD Len the problem was narrowed down to a connector at the top of the tower (naturally it had to be at the top). It was resolved with a hair dryer, (ice in the connector) [that will do it every time Editor].

In **April of 1993** the Motrac transmitters had logged approx. 34,714 hours of actual transmitting time. The clocks have now been removed to make more room in the cabinet so I am not sure what the total is now but it is considerably more.

On **May 6 1993** VE3HMG Eric, VE3NGT Casey and VE3RWN Randy installed a new Micor base in transmitter "A" and was adjusted for approximately 80 watts of out put.

On **July 12 1993** Sermon On The Mount was held and again those Super Sausage Dogs were the talk of the evening, and as usual there was a very large turnout and everyone enjoyed.

Over the years there have been many schemes being considered to keep the repeater on the air and donations were accepted, but at times the cash flow was not always sufficient to cover all the expenses, so many times the people in the background dug a little deeper to keep "Good Ole OSH" on the air with very minimal down time. There has been a lot of personal sacrifice over the years by the people who have been given the responsibility of maintaining "Good Ole OSH" so I hope some of you have a little

better idea of what is required to keep the repeater "that nearly everyone takes for granted" operating ALMOST flawlessly. (Editor)

In Hospital

I have just learned that Colin Bell VE3CEU is in Oshawa General Hospital. I am sure he would appreciate hearing from or seeing anyone who has the time. His room number is 5113. This is all the info I have at this moment. (Editor)

X-Mas Social Event

As in past years, anyone who didn't attend the December meeting missed out on a very good social event, lots of refreshments and things to nibble on as well as lots of socialising. Due to the good weather there were members who would not normally attend and some who I didn't recognise. Again Valore did a super job of organising and deserves a big vote of thanks for a job VERY well done. Unfortunately Valore you are making it very difficult to find someone to take over from you when you decide to go into retirement because you have been doing such a great job. (Editor)

Still Anothe Hint

To keep your garbage disposal smelling sweet by grinding citrus rinds, or use the discarded baking soda after it has finished absorbing odours in the refrigerator **AND** to clean copper pots, fill a spray bottle with vinegar and 3 tbs salt, spray on the copper and let stand for a while, then rub clean, or try tooth paste, Worcestershire sauce or ketchup, or dip a lemon half in salt and rub. (Editor)

Durham Region Amateurs

For any of you who don't belong to RAC, the former TCA, you missed a very good article by Margaret VE3BNN. If you have opportunity to read this article I am sure you will find it enjoyable and informative. A very fine job Margaret, keep up the good work. (Editor)

Wanted low current audio choke, 8MA, 200 to 500 henrys
call VE3FRM Ed 905-985-3790

Wanted DG5 digital readout or equivalent for Kenwood TS530
call VE3VKI Alt 905-725-0340

For Sale Dentron CM-1 amplifier interface asking \$40.00 or trade
call VE3LNX Victor 905-983-5831

For Sale Finals for FT101E's 6JS6C's, new, asking \$55.00 a pair
call VE3LNX Victor 905-983-5831

For Sale Stark VTVM model VMK-3A, asking \$20.00
call VE3MBO Wilf 905-263-2373

For Sale Heath 1420 VLF receive converter, manual, asking \$35.00
call VE3LNX Victor 905-983-5831

For Sale 4CX250B tubes, new asking \$40.00 each or for 4 \$135.00
call VE3LNX Victor 905-983-5831

For Sale 11 element 220 mhz beam by Cushcraft, asking \$30.00
call VE3LNX Victor 905-983-5831

For Sale Mariner 3000 digital radio direction finder, 12 operation, asking \$85.00
call VE3LNX Victor 905-983-5831

For Sale Bull horn with jack for external power jack, asking \$35.00
call VE3LNX Victor 905-983-5831

For Sale Sierra VLF receiver 1 kc to 350 kc, asking \$145.00
call VE3LNX Victor 905-983-5831

For Sale 40 ft. heavy duty mast pipe, you pick up, asking \$50.00
call VE3CNO Gary 905-576-1654

For Sale CSI auto patch, comes with full documentation, asking \$400.00
call VE3CNO Gary 905-576-1654

For Sale Low pass filter for HF bands asking \$30.00
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For Sale Yeasu FT-101E HF transceiver 10-160 meters, manual, asking \$450.00
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For Sale Ham III rotor and control box and manual, asking \$350.00
call VE3LNX Victor 905-983-5831

For Free One model 28 teletype, remote printer, no keyboard
call VE3FRM Ed 905-985-3790

For Sale 19" rack 6' tall, pickup only, asking \$10.00, this is a real good deal
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For Sale Icom IC-735 HF transceiver, very clean, asking \$950.00
call VE3GFA George 905-725-1659

For Sale 2C39's, 3CX100's, 7289's tubes for sale, asking \$5.00 each
call VE3LNX Victor 905-983-5831

For Sale Hustler HF mobile antennas system 10-80 meters & mount \$145.00
call VE3LNX Victor 905-983-5831

For Sale Heath 5400 power supply 16amps cont. 20 amps surg \$155.00
call VE3LNX Victor 905-983-5831

It's Time For 1994 Membership Renewals Again

Full Membership - \$20.00

Includes full voting privileges and monthly bulletins for the calander year.

Associate Membership - \$15.00

Includes bulletin only and a hearty welcome to all meetings and activities.

Family Membership - \$5.00

Includes full voting privileges when associated with a full membership, but no bulletin (assumed living in same household).

To become a member of N.S.A.R.C. or to renew a previous membership send a cheque or money order made out to N.S.A.R.C. / Keith Wyard-Scott VE3GDF, 298 Dover Street, Oshawa, Ontario, L1G 6G6 (preferably) or N.S.A.R.C., P.O. Box 171, Oshawa, Ontario L1H 7L1.

Name _____ Call _____

Address _____

Postal Code _____

Phone number (____) _____

Membership - Full _____ Assoc. _____ Family _____ Total \$ _____

Donation to the repeater \$ _____ (if you desire)

This Will Be The Final Bulletin For Non Renewed Memberships. (Editor)