

North Shore ARC

Vol. 2 No. 6
June, 1996

Serving the Amateurs of Durham Region

Field Day - June 22 & 23

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President's Message

Another month has passed and we seem to be getting closer to the poor skiing season each day. Winston, VE3WFS, and John, VE3VGI, spoke at our May meeting on their Dxpedition to Belcher Island last summer. They never mentioned snow once and are planning a return trip to the area, Moosonee, for this August. It sounds like an exciting trip is planned and hopefully, many of our members will be able to contact them this year. They had an excellent QSL card for the last expedition so that alone will be worth the pleasure of working them.

We are looking for an overprint design to go on the VE3NSR QSL card to commemorate our 50th anniversary. The plan now is to have a weekend or period in the Fall when our members would be operating from their own radio shacks and identifying themselves as members of the North Shore Club so that we could distribute the commemorative card. If you have a design for the overlay or an idea for the time period, send your suggestions to the club mailing address or bring them to the next meeting.

The foxhunt that was scheduled for 26 May had to be cancelled due to a lack of interest. This is a shame, as a foxhunt is an opportunity to test new equipment and ideas, meet with others and hone skills that may be needed in an emergency or to track down transmitters. Thank you Peter, VE3ZZV, for trying to organize it and maybe there will be more interest at a later date.

Steve, VE3SBD

June Meeting - Durham Radio

Keith from Durham Radio will be on hand to fill us in on all the latest and greatest

equipment that is available at Durham Radio. Keith also has a Web site that is accessible from ours so check it out! (Our site is listed on the Info Page)

July/August Deadline

Deadline for info to be submitted for the July/August issue is **June 15**. See the Info Page for various the methods of submitting articles via internet, mail, etc.

Contributors

Thanks to John VE3VGI, Winston VE3WFS, Martha VA3SBD, Victor VE3LNX, Walter VE3FJC, Ivor VE3JMP, and Steve VE3SBD for submitting items for this months newsletter.

VE3CNE - a day at the Ex!

The North Shore Amateur Radio Club is scheduled for Saturday, August 31st, at the Canadian National Exhibition. This is an exciting highlight for many of our club members. You are welcome to join our team of operators, operating VE3CNE, from the Canadian National Exhibition. You will have the opportunity to demonstrate ham radio and to meet the public on this day as well as take in the Ex and the airshow. Please call Winston, VE3WFS at 905-725-0829, if you wish to join the team.

Swap Shop

Betty Wyard-Scott, (905) 723-5758
 Morse code key \$10. Archer SWR Meter \$15. Power supply 2.3 amp 13 Volt \$20. Kenpro 2 meter Hand Held & charger AS IS. no battery \$50. Icom IC 2AT 2 meter Hand Held & charger AS IS. no battery \$50. TRUE Multimeter AS IS \$10. Small Dummy load, (Quart CAN type \$15. Commodore Printer model 802 \$15. Commodore 1541 Disc Drive \$15. Commodore Keyboard \$15. Panasonic

North Shore ARC

Box 171, Oshawa, ON,
Canada, L1H 7L1

The North Shore ARC
 Newsletter is published
 monthly except for July and
 August when it is a combined
 summer edition.

Laird Solomon, VE3LKS
 editor

Glen Goslin, VE3LIZ
 publisher

Electronic typewriter \$25.
Knight RF. Signal Generator KG-650 \$10. 2 meter 1/4 wave mag. mount ant. \$15. Misc. Commodore Programs, Best offer. Older B/W Portable TV. Best offer Desk Light \$20. ROBOT CW Keyboard & Monitor \$50.

Frank Reader, (905) 430-6115

Kenwood mobile 2 meter transceiver model# TM 2570A for \$350. A 40 foot tower and Ringo "2" for \$100. A 40 foot mast for \$25.

Tony, VE3VGF (905) 986-4956

WANTED - Schematic Dia. for a Knight R 100-A receiver(sold by Allied Radio).

Mike VE3DKW (905) 723-7674

"XT" Clone with Yellow Screen, Keyboard, Software for PK 232. Working \$60.

Len, VE3LBN (905) 985-7120

Kenwood Transceiver Model TR 8400 440 meg. 10 Watt, New in box. \$400. Model TR 9000 2 meter all mode transceiver cw/ssb/fm . 1 -10 watts output, mic and manuals. \$375. Firm

Howard, VE3TYQ (905) 579-7466

IC 701 HF Transceiver 10 -160 meters, plus the IC 701 Power Supply & speaker, IC SM 2 Desk mic for \$500. Smith Corona Typewriter, Model XL-1800 & acc., auto memory correction, word eraser, auto center, bold letters, excellent condition \$100 obo.

Walter, VE3FJC, (905) 263-2338

Yaesu 708 R 70 CM. Handheld comes with the rubber Duck and Wall charger. \$135. Commodore 64, keyboard, 1541 disc drive, 1702 colour monitor, 1526 Printer. \$150 OBO.

Keith VE3MZB at 905 728-8676

Reg Power Supply 12 Volts \$18.

Alex, VA3AMP (905) 697-2926

Yaesu Two meter Transceiver Model FT 2400H mobile 5-50 watts, tone encoder and pager installed. \$300. Palomar Amp. 30 watts in = 250 watts PEP out. Model TX 2250, requires 20 amp power supply to operate. \$150.

Send all listings to **VE3FJC, Walter** at (905) 263-2338, by packet at VA3BBS, or by phone at VE3OSH 2 meter repeater.

Early Days of Wireless - Part 14

Eventful Dates in Radio Development

1727 Cuneus and Musschenbroek (Dutch) discovered the principle of the capacitor.
1842 Joseph Henry (U.S.) experimented with induced voltages.
1850 Faraday (English) performed experiments similar to those of Joseph Henry.
1867 Clerk Maxwell (Scottish) showed mathematically that light is an electromagnetic wave and predicted that there must be other electromagnetic waves at different frequencies.
1874 Ferdinand Braun (German) discovered the rectifying action of some crystals.
1879 Hughes (English) heard wireless waves but could not explain them to the Royal Society.
1884 Edison (U.S.) observed the Edison effect. 1187-9 Heinrich Hertz (German) developed a spark transmitter using a capacitor with plates fairly wide apart. He developed the first wireless detector.
1889 Sir Oliver Lodge (English) developed the principle of tuning based on the previous work of Michael Pupin (U.S.).
1890 Branly (French) developed the Branly coherer, a form of detector, based on the earlier work of Guitard (French).
1894 Marconi (Italian) developed an antenna and ground system, using the Branly coherer. He radiotelegraphed over a distance of two miles.
1901 Marconi sent a signal from England to Newfoundland, using a detector invented by Lieutenant Solari (Italian).
1902 Fessenden (U.S.) developed the continuous-wave system with radio-frequency alternators.
1902 Poulsen (Denmark) worked out another continuous-wave system with an arc.

1904 J. A. Fleming (English) developed the Fleming valve.
1906 General Dunwoody (U.S.) devised a crystal detector.
1907 Lee De Forest (U.S.) developed the triode with a control grid.
1907 E. H. Armstrong (U.S.) developed the regeneration principle for receivers and transmitters.
1909 The steamship 'Republic' sank, January 23. People were rescued for the first time through the use of radio. Radio was popularized. Recent Hazeltine (U.S.) developed the neutrodyne receiver. Recent Armstrong (U.S.) developed the superheterodyne and frequency-modulation receiver.

(Source of the above information - "Elements of Radio" - 4th Ed.(1959) by Abraham Marcus & William Marcus, published by Prentice-Hall Inc.)
The Late Victor, VE3LNX

My Soapbox, Please

What does the editor of the NSARC newsletter have to do to stir the pot and get some letters to the editor coming in. I have tried using the morse code issue and my personal thoughts on that to try to get some dialog from the members to make our newsletter more spicy but to no avail. I guess you all agree with me that we should scrap it and use some other method to determine levels of licencing. This is very flattering to think that you all agree with me. (I will have a petition you can all sign at the next meeting that we can send in to Industry Canada requesting that the code requirement be dropped!)

What about our Web page?! Basically the original layout was done by Fred, VE3TIG, and I have tried to make some cosmetic changes since, but we need YOUR input as to what else you would like to see on there. I still have not purchased a scanner to scan pictures but someone has offered to scan for me if I need it. Would someone please take pictures at Field Day, the CNE, etc and send me copies so I can get them on our Web page. Also, I will need your personal internet address and location of

your Web page so I can include them as links from the club page.

Well, I am sorry that I can not ramble on much more here but I have an offer coming in on my house, a Windows 95 and Windows Workgroups network to set up in Toronto, a Novell/Windows NT networking study to complete for a local organization, I have to draft up an RFP (request for proposal) for a couple of new file servers at work, am putting the final touches on a golf tournament I am involved with this coming weekend, and have to get a press release out to all the major ham magazines regarding our Polar Bear Expedition this summer. To top it off it is now 2335 and I have at least another hour and a half to go before retiring. Hmmm, I wonder how noisy 80m is with all the thunder and lightning...Until next month 73!

Laird, VE3LKS

Canadian Islands

We had just finished activating Jobs Island, another new Canadian Island, located in East Lake near the east end of Lake Ontario. The day had been a good one with contacts made with Christmas Island, many European countries, South Americans, many U.S.A states including Hawaii, Canadian provinces and the N.W.T. The planning for this island had started about one month earlier when I had obtained detailed maps of the area and checked the name with the Canadian government geonames via the internet.

My main concern was weather. On an earlier island expedition my friend Bob VE3LLE had built a portable shack which we had tested on Sheba's island. The temperature that day had been -19C with strong north winds. It didn't take us long to figure out what improvements were needed, we froze that day. Taking weather into consideration we had decided to activate Jobs Island on Monday, Jan 8, 1996. An announcement was made on 14.260 and an internet message sent a couple of days in advance. With this done Bob and I packed the trailer and headed out for Jobs Island. One thing I've found is the map

does not tell you much about the islands. Some have no trees, others are so thick with vegetation you can hardly walk through, private property, etc. In winter other things must be considered - road conditions, temperate, wind, the safety of the lakes ice and, of course, if the ice fishing is good near the island. Jobs Island turned out to be a nice surprise. Bob and I had planned to haul our equipment and shack on a home made sled about 1 kilometer across the ice to the island but as it turned out we met the friendly owner of a resort who let us access his property and suggested we drive the car and trailer on the plowed path to the ice huts just a short distance from the island. We must live right! The island had some beautiful 70 foot elms, which I demonstrated my casting ability to Bob. A half hour later I was still casting. One of the fellows from the ice hut came over and suggested I might have better luck catching a fish by boring through the ice. After a short explanation I got lucky and made the cast of the day. We hauled up our 20 meter single element delta loop to about 50 ft at the apex. I have found the delta loop is a great receiving antenna and seems to really get out when compared to a vertical. The only downside is it is harder to put up. One of the improvements Bob and I have made is a propane heater. When we turned it on it was a windy -17C but within 20 minutes we had a comfortable 20C in the shack. Another bonus of the stove was the way it heated up lunch. The aroma of steaming Irish stew and hot coffee soon filled the hut. The hut itself is 8ft by 4ft with a height of 5ft. The operating bench is 8ft long by 1.5 ft wide which holds the Kenwood 440, laptop computer and the paper log just in case. This day the old paper log came in handy as the computer packed it in. Bob spoke some words of encouragement to it but no go. The power for the station is provided by a deep discharge battery. We had a good pileup going this day until propagation gave out, then we signed clear, packed everything up, and headed home. Now all that was left to do was answer the QSL cards that would filter in.

John Harden, VE3VGI

Early Days of Wireless - Part 15

The Kirkland Lake (Northern Ontario) Hamfest- 1947

(This report is gleaned from the pages of "XTAL", issue of October, 1947)

This hamfest was the first of what was to be many Northern Ontario Hamfests (followed the following year by one in Sudbury, then thereafter held in North Bay on the north shore of Lake Nipissing). I was then living in Kirkland Lake, but not yet licensed (that came in 1948 as VE3EAA), so have little remembrance of my attendance at some part of this one. However, names and calls sure are part of my memory. Would be interested in those reading this message who might have been there - or later No. Ont. Hamfests, that would like to put memories to paper - thence to my own archives, and possibly for later publication.

Registration opened at the Park Lane Hotel at 9.30 am. The Technical Sessions were held at the Lake Shore Mines recreation hall at 2.00 pm. A very interesting talk by Jack Bain of Northern Electric on the P.A. and Sound Systems installed at the C.N.E. was enjoyed by the gang. Alex Reid, C.G.M. for the A.R.R.L., was at the Hamfest, and while he was at the Technical Session, the xyl's had a tea and ragchew at the Y.W.C.A. Then the second speaker of the afternoon, Les Haimes of General Electric, presented a paper on FM from the service engineering end of production. The banquet at the Park Lane Hotel was under way at 6.30 pm, (the punch bowl part - prepared by Bud Clement -3TZ). Brain Shellon, the manager of Radio Station CJKL, was the master of ceremonies at the dinner, and the principal speaker was Alex Reid (VE2BE), with a report on the conditions to date from the Atlantic City conference. Alex Reid made quite a hit with our lady Reeve, Ann Shipley, who is the boss of Kirkland Lake and Teck Township. Ann welcomed all the hams to Kirkland Lake

and hoped they would enjoy themselves. Bert Knowles, 3QB, gave a short talk at the Technical Session on the QSL Bureau, and at the banquet Bert read a letter from a British amateur telling of the rations they are allowed. Immediately, Ted Barker (VE3ALU) asked the hat to be passed for contributions to British hams in the form of food parcels. A sum of \$21.43 was collected. Everyone sat still for a picture and that ended the banquet. O yes, we did eat also. The dancing party at the Lake Shore hall was the next feature and the most important from hams' views on the subject. Prizes were displayed at the party and the orchestra had a difficult time trying to get going as all the hams would rather mill around the prize table. Tommy Carpenter, 2RK, old 3BD, shooed them all away and the dance started. Then the prize drawing started. The ham coming the greatest distance was Hugh Wilson, 3BJI of London, Ontario. He was given a bug as a prize (awarded by CJKL). Hugh Wilson had hitch-hiked from London! Gordon Browne, 3PH, of Kirkland Lake won a \$25.00 credit note on Northland Radio Supply. Jack Loader, 3EN, of Iroquois Falls, won \$15.00 note from Northland, and Tom Watson, of Kirkland Lake, won the \$10.00 note, also from Northland. Marconi sent up a 5BP1, won by the hitch-hiker, Hugh Wilson, 3BJI. Payette & Co., of Montreal, sent a box of oil-filled condensers, which were very popular as it seemed everyone present was re-building. The 814 tube, supplied by Crawford Radio, Hamilton, went to Gord McKay - he has been running 15 watts for a long time. A peanut tube was awarded Charlie Dunlop, 2SC, for he was running the legal maximum. General Electric, Northern Electric and Marconi sent tubes which everyone could use. Canadian Marconi sent Tommy Thompson with a very nice display - three National receivers, a complete Temco transmitter and an Abbott transceiver. Other wholesalers who donated prizes were - Canadian Electrical Supply, A. & A. Radio. Also, local business men also donated prizes for the yl's and xyl's. The dance happened during a lull in prize drawing, they tell me. October 5 was visiting day, and

hams from out of town made calls around Kirkland Lake and met the boys in their shacks.

Notes: I worked at Northland Radio Supply in K.L., in various job capacities - counter, mailorder, minor bookkeeping, and co-editor of the K.L. ARC (VE3BAT) newsletter. Ted Barker, 3ALU, was my mentor (Elmer), along with Gord, 3PH, and Alex Snider, 3PA. Would love to hear from anyone who resided in K.L. 1945-50. Wat sa?

The Late Victor, VE3LNX

May Minutes

North Shore Amateur Radio Club minutes from May 13, 1996.

Meeting called to order at 1930.

Steve, VE3SBD, welcomed members & visitors. He acknowledged Thank You cards from Gail Verwoerd and Elaine Doty.

Steve announced that due to lack of interest the Foxhug scheduled for May 26th has been cancelled. It seems only four members had registered for this.

Treasurer's Report - Earl, VE3VGK, filled us in on all the details to as to our positive financial situation noting that we had not received any amount from the Hamfest committee as of yet. The report was accepted as read by Bob, VE3LLE and carried.

Repeater Committee - Ralph, VE3CRK, was very brief and said it was working.

Packet Committee - Laird, VE3LKS, reported that the digipeater was still working as well and might be able to attend the next executive meeting to propose a link to the internet from the digi.

Field Day - Martha, VA3SBD, asked the members to return the questionnaire to her as soon as possible. Volunteers are desperately needed if this event is to be successful.

Hamfest - Howard, VE3TYQ, reported that no volunteers had come forth yet for the executive committee. Please give some thought to this. It was also stated that our present insurance adequately covers such events as the Hamfest, Field Day, etc.

50th Anniversary - a special event QSL card received favourable comment. It was noted, however, that there was a very large number of them on hand which might be used by placing a sticker on them. Fred, VE3TIG, will co-ordinate this special event station.

New Business

Winston, VE3WFS, requires volunteers for the VE3CNE event this summer. He also suggested advertising NSARC on packet to promote club meetings and special events.

Fred, VE3TIG, stated that he had received an offer from a friend to demonstrate a Tesla coil. Those interested can contact Fred.

Howard, VE3TYQ, asked for help to send code and for controllers for the Thursday net and code practice. A computer is required for sending code.

Gary, VE3CNO, asked that Silent Keys might be honoured at our meetings. Ralph, VE3CRK moved that a minute of silence be observed. The motion was seconded by Todd, SWL, and carried. A minute of silence was then observed for recent and prior members who have passed away.

Winston, VE3WFS, and John, VE3VGI, gave a very interesting talk on their Dxpedition to the Belcher Islands in the NWT. It included a short movie depicting life amongst the inuit people. They made a large number of contacts throughout the world and had the QSL cards to prove it. They are planning another similar trip in the near future. Thank you guys for a great presentation.

Ivor, VE3JMP

Field Day Questionnaire

Manager: Martha Dinsmore VA3SBD

If you are planning to attend Field Day this year - June 22 and 23 -please take a few minutes to complete this questionnaire. Then be sure to contact Martha VA3SBD, at the next meeting or call me at 571-4716 between 1600h and 2100h.

Name: _____

Call sign: _____

1. I am planning to attend Field Day on:

- Saturday June 22
- Sunday June 23
- both days
- not sure but WILL be there

2. I am interested in helping with

- set up Saturday morning
- tear down and clean up Sunday afternoon

3. I can bring the following equipment

- HF transceiver (specify type) _____
- CW keyer (specify type) _____
- heavy duty AC cord, coax cables _____
- RV, trailer, camper van, tent (circle one) _____
- other (specify) _____

4. I am interested in operating:

- HF phone
- HF cw
- other (specify)

5. If you wish to operate CW, indicate your approximate operating speed.

- 5 wpm
- 10 wpm
- 15 wpm
- 20 wpm
- over 20 wpm

6. I will be available to operate one or more shifts during the event.

- Saturday 1400 to 1700
- Saturday 1700 to 2000
- Saturday 2000 to 0000
- Sunday 0000 to 0700
- Sunday 0700 to 1000
- Sunday 1000 to 1400
- the whole 24 hours

Questions 7 to 9 are for the ladies only!!!!!!! Sorry Men!!!!!!!

7. Do you want a ladies tent?

- Yes
- No

8. If yes what band do you want to work?

- 80 metres
- 40 metres
- 20 metres

9. Do you prefer to do cw, phone or rotate between the two?

- CW
- PHONE
- ROTATE

10. Any comments, queries, suggestions, or offers of assistance are always welcomed and greatly appreciated.

The Info Page

Executive

President		
Steve Dinsmore, VE3SBD	571-4716	
Vice President		
Martha Dinsmore, VA3SBD	571-4716	
Treasurer		
Earl Matthews, VE3VGK	725-5606	
Secretary		
Ivor Picton, VE3JMP	579-7194	
Program Director		
Fred Bengel, VE3TIG	576-4839	

Co-ordinators

A.R.E.S.		
Fred Bengel, VE3TIG	576-4839	
Special Events Co-ordinator		
	571-4716	
Bulletin Editor		
Laird Solomon, VE3LKS	434-7339	
Bulletin Publisher		
Glen Goslin, VE3LIZ	725-1545	
Club Historian		
Mike Sherba, VE3DKW	723-7674	
Net Controller		
Howard Mugford, VE3TYQ	579-7466	
Ries Wytenburg, VE3UEA	434-5550	
Code Senders		
Peter Rogers, VE3ZZV	655-5180	
Membership Chair		
Les, VA3LTB	571-1458	
Get Well Cards		
Anne Jones, VE3KWI	324-0638	
Nonquon Canoe Races		
Glen Goslin, VE3LIZ	725-1545	
Field Day		
Martha Dinsmore, VA3SBD	571-4716	
Instruction		
Gary Manser, VE3GLM	623-1108	
Auditor		
Rick Gibson, VE3ASH	434-2886	
Lists and Labels		
Les Burgess, VA3LTB	571-1458	
J.O.T.A.		
Ries Wytenburg, VE3UEA	434-5550	
Club Inventory		
Howard Mugford, VE3TYQ	579-7466	
Club Photographer		
Don Foster, VE3GXH	985-2668	

NSARC Web Site

<http://www.osha.igs.net/~Isolomon/nsarc.htm>

Club Repeaters

2m	147.120	VE3OSH	Voice
70cm	443.000	VE3NAA	Voice
2m	144.970	VE3USH	Packet

Net and Code Practice

Club Net every Thursday at 1930 with CW practice at 2030 followed by more Net at 2130.

EMO Net every Wednesday at 2030 on VE3OSH.

Informal Nets and Gatherings

Evenings at 2130 hours local time on 3740 +- a few kc you will find a bunch of local rag chewers.

Saturday mornings, 0930, at Mama's Restaurant in the Five Points Mall you can devour some breakfast, coffee, or both and have a chit chat with some of the locals. This is an informal event and discussion topics are totally up to you. Great time to chat about equipment problems, software, etc.

NSARC 1996 Calendar

June 10	Meeting
June 22 & 23	Field Day
August 31	CNE



D.R.A.R.E.O.

Randy Elliot, VE3JPU	(905) 427-6853 - Coordinator
Fred Bengel, VE3TIG	(905) 576-4839 - Asst. Coord.

Contact the Editor

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Meaningless bits of information - this newsletter is laid out using WordPerfect 6.1 for Windows and the original copy is printed on a Brother HL-660 laser printer. Also, if you happen to have any complaints you are more than welcome to become the next bulletin Editor. Seriously, all constructive criticism will be accepted and treated accordingly. If you would like to see more technical articles then get the lead out and get writing. I can write till I'm blue in the face about computers and some of it you can apply to Amateur Radio but it would be nice to see some technical stuff as well.