

# North Shore ARC

Vol. 2 No. 5  
May, 1996

Serving the Amateurs of Durham Region

## Fox Hunting - Let the Games Begin!

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### President's Message

I hope that everyone enjoyed themselves at the Durham Region Hamfest and has now figured out all the bells and whistles on the new toys. The site for Field Day is booked and we are looking for operators and equipment. If Field Day is not your activity, don't forget the Foxhunt on 26 May. Our May meeting will have a report from Winston and John on their expedition to Belcher Island last year. It should be quite interesting.

Club membership is down from last year. If you are reading this, then you are a member, but, do you know an amateur who has let his/her membership lapse? Do you know an amateur who might be interested in joining the club? Share your newsletter with them and invite them to attend a meeting. They are even welcome at the Saturday morning gathering. Without members, the club is nothing. Please be our ambassador.

If you are a RAC member, remember that you can renew through the club and thereby divert some of your RAC fee to the Oshawa club. Our RAC affiliate number is NOR110. Good HAMING and I look forward to seeing you at the next meeting.

Steve, VE3SBD

### May Meeting - Belcher Island DXpedition

John, VE3VGI, and Winston, VE3WFS, will be showing us slides and telling us about their DXPEDITION last summer to the Belcher Islands up in Hudson Bay. This will be a great meeting so make sure to come early to get a good seat!

### June Deadline

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

### Contributors

Thanks to Les VA3LTB, Martha, VA3SBD, Josef VE3FVH, Victor VE3LNX, Walter VE3FJC, Ivor, VE3JMP, and Steve VE3SBD for submitting items for this months newsletter.

### Swap Shop

**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.

**Laird, VE3LKS, (905) 434-7339**  
386DX40 motherboard - no RAM \$75.  
QRZ Ham Radio CD ROM Winter 1995 - over 650MB's. 1,000's of programs, radio mods, data files, TCP/IP, Packet, satellite tracking, RTTY, WEFAX, computer radio control programs, US call sign database and more. DOS & Windows interface. \$20.

**Len, VE3LBN (905) 985-7120**  
Kenwood Transceiver Model TR 8400 440 meg. 10 Watt, New in box. \$400.

North Shore ARC

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

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Laird Solomon, VE3LKS  
editor

Glen Goslin, VE3LIZ  
publisher



Model no. TM 411 A/E 440 meg. Transceiver, T.T. mic, Brkt., Manual. 5-25 watts output. \$325. Firm. 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**

Commodore 64, keyboard, 1541 disc drive, 1702 colour monitor, 1526 Printer. \$150 OBO. Yaesu FT 708 R Handheld comes with Rubber Duck, Wall charger, \$135.

**Len VA3LDR (905) 723-6970**

For Sale , Ten tec Argosy II, HF transceiver, voice syn., AC/p, Desk mic. Ant. tuner. Package \$650.

**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 12

From "Modern Electrics", August 1911 comes this article entitled "**The Mystery of the Ether**", by Owen Ely.

The first important theory of the ether was developed by Green and others, in the early part of the nineteenth century. **The ether was regarded as a kind of incompressible jelly, easily set a-quiver**

by the motions of the molecules and able to transmit this motion, through its vast bulk, to the ends of space. And yet, for any motions of matter other than the molecular, the ether was thought to act as a perfect fluid. This provision was necessary to limit the ether to transverse vibrations. Owing to the increasing demands which new discoveries in optics made upon the theory, it was abandoned and now retains only historic interest.

"One of the most prominent theories which has been brought forward was that connected with Maxwell's

electro-magnetic theory of light. The ether was assumed to be a turbulent fluid,

the particles of which oscillate, revolve, or in some way change their condition, causing the rapidly alternating

'polarizations' which Maxwell used to explain his conception of the electromagnetic wave.... But

'polarization' is still a little more than a name, and there is yet some discussion as to whether it involves any bodily

displacement of the ether. "The ether having been regarded as a solid and a fluid, it remained to treat it as a gas. This was attempted by several, among them

Mendeleef, the chemist. But the results did not seem very satisfactory.

Evidently, the ether needed properties of each state of matter, solid, fluid and gaseous. Rigidity and elasticity of some

sort were required, that light should travel in a straight path; the freedom of movement of a perfect fluid was

necessary, since apparently there was no friction between matter and ether; and finally its inertness, its failure to affect matter of itself, pointed to a lack of cohesion or activity among its particles.

For these reasons, apparently, modern physicists have generally ceased trying to

picture either in terms of matter, but rather are inclined to explain matter in terms of ether. Thus, Prof. Osborne Reynolds, who has worked upon his theory for many years, regards the ether as a system of finely packed grains ... piled up like billiard-balls through the universe; but here and there is a crack or separation, and this vacuum is matter!

**The encounters of the cracks make up the phenomena of the cosmos.**

"Larmor's concept seems somewhat

similar, for he regards electrons as 'nuclei of permanent ethereal strains in rapid motion.' Kelvin and his school lay emphasis upon an explanation of the ether's perfect elasticity. Kelvin's famous theory of the ether makes its elasticity 'due to rotational motion - intimate, fine-grained motion throughout the whole ethereal region -- motion, not of the nature of locomotion, but circulation in closed curves, returning upon itself -- vortex motion, of a kind far more finely grained than any waves of light or any atomic or even electronic structure."

**Victor, VE3LNX**

## My Soapbox, Please

Well, for the first time in over a year I had to miss a meeting. I always enjoy our meetings and Fred is doing a stellar job getting excellent presentations. I'm just sorry that I had to miss Glen and Bob's presentation on APRS. My sister and her family were visiting from Alberta and I couldn't get any of them interested in going to the meeting so I did the politically correct thing and stayed home and visited. No relatives are coming next month so John and Winston better be good!

I was noticing in the April Meeting Minutes that we are looking for code senders again. (Before I go any further, please don't flame me as the following are only ideas and not demands). What I would like to propose is that we do a poll sometime to see who is actually listening to the code to see if it is something we should consider doing away with. All we would have to do is stop at every speed change and do a quick call-in to see who was listening. (Even students in our classes listen to code tapes and not the net) We could compile the results and present them at a meeting. Scanner listeners could be prompted to reply to our PO Box if they were listening. Should the results of this poll be quite low then maybe we should be looking at replacing it with something else. Maybe a question and answer period where people can ask questions and have a those listening help find solutions. This could be done for



everything from antenna insulators to microphones to PC software. I would imagine that some pretty interesting round-table discussions would ensue and Howard would have a hard time continuing with the net after an hour. It would also be a good time to pass along updated information for club members. Again, just an idea.

**Thank you to everyone who has been remitting articles and please keep them coming.** They may not always get published that month due to space and time limitations but they will be published.

Until next month 73!

Laird, VE3LKS

### Interesting Web Sites

Here are a few web sites which should be of interest to other Hams.

- <http://www.alaska.net/~buchholz/>
- <http://www.qrz.com/www.ham.html>
- <http://www.mbnet.mb.ca/~erobbins/>  
(Canadian)
- <http://dori.ireq.ca:8080/home/valiquet/amateurs.html> (Canadian)
- <http://www.rac.ca/> (Canadian)
- <http://ve7tcp.ampr.org/>
- <http://www.ultranet.com/~sstv>
- <http://www.gate.net/~rlehman>
- <http://www.wincom.net.raarssen/hompage.html> (Canadian)
- <http://www.accessione.com/~ericw/~indes.htm>;
- <http://www.qrz.com/index.html>

Have a good day.

Josef VE3FVH

### Early Days of Wireless -Part 13

This concludes the article "The Mystery of the Ether" from 'Modern Electrics' issue dated August, 1911. It shows how the minds of that day grappled with the 'structure' of the ether. I'd be interested in modern day thinking, and conclusions, on this subject. Any takers?

"Perhaps nothing has contributed so much to the possible development of a theory of the ether as the electron theory, which has done so much to reduce phenomena to the interplay of the electro-static, magnetic, and inductive forces of charged atoms. These forces, together with matter, which may be simply their source in the ether, and gravitation, which is probably an electro-static effect, constitute the whole problem of the ether. The ultimate task is to explain them as varieties of motion in the fundamental stuff.

"To sum up, it is apparent that the problem of the ether, the greatest enigma of all time, can not be solved by one group or generation or class of scientists. It claims the work of specialists in many fields. While each may see the risk from his viewpoint alone, it is worthy of attack from many standpoints.

To analyse and classify a nearby infinite variety of phenomena to reach the root-causes of nature, requires the genius of the investigator.

To arrange the data in the most logical relationships requires the work of the theorists.

To condense and reduce these relations to the simplest and most elegant form, the brain of the mathematician is necessary.

To appreciate the ultimate significance of those factors which the others use but as the material of their building, the philosopher is final critic.

And to make the results of all the others of interest and value to the human race as a whole, the interpreter must picture them in simplest phrase and most apt illustration" - Popular Astronomy

#### And does this bring back any memories?

"After lunch 124C 41 and Miss 212B 423 rolled uptown and the former explained the various sights as they progressed. On Broadway and 389th street, in a large square, an extinct petrified animal stood upon a pedestal. Miss 212B 423,

desiring to know what it represented, approached and read the inscription hewn in the stone:

PETE

**The last Horse in Harness in the Streets of New York,  
Died on this Spot  
June 19th, 2096 A.D.**

"The poor thing," murmured the young lady, "but I think the world is better off without torturing poor dumb beasts when electricity can well take care of all the work." Her companion, touched by this feminine remark, smiled softly.

Victor, VE3LNX

### May Fox Hunt...Let the Games Begin!

- WHAT:** FOX Hunt / Transmitter Hunt
- WHEN:** May 26th, 1996
- TIME:** Sign in from 10:00 to 11:45am at the site: NO registrations allowed.
- WHERE:** Purple Woods Conservation Area.
- REGISTRATION:** Please register early as AWARDS need to be ordered. Registrations will NOT be taken on day of the hunt. You need to register prior to the 26th.
- FEE:** \$10.00 per person.
- CONTACT:** Peter VE3ZZV at 905-655-5180, or send me a note on packet to VE3ZZV, (Freq. 144.970), or you can leave a note at ve3zzv@va3bbs.

**DESCRIPTION:** The Hunt will start at noon on the 26th May from the parking lot at the Purple Woods Conservation area. Register NOW with me, VE3ZZV. Register early as there are AWARDS to be made up for the Hunt, and all entrants will get a Participation Award. Registration will NOT be taken on the day, ONLY SIGN IN's for the Hunt. **TO GET THERE:** Simcoe Street North, on Regional Rd. #2, just north of Raglan, on the east at the 10th concession.

continued on next page....

**RADIO DIRECTION FINDING  
HANDI-FINDERS FOR RENT:  
(Proceeds to JOTA).**

Anyone wishing to rent a transmitter locator, and wanting to try it out before the hunt must register first as there are only a limited supply. Handi-Finders are the ones found on pages 35-38 of the May 1993 QST. You will need a 9 volt battery and a handie-talkie with a BNC connector on it.

This event is open to anyone, so ask your friends if they would like to go Fox Hunting for the day. You do not need to be a license ham radio operator to participate as a scanner capable of receiving 146.??? MHZ. is all that is required. Lots of STORIES to be told, see you there.

Peter, VE3ZZV

**April Minutes**

North Shore Amateur Radio Club minutes from April 8th, 1996.

**Treasurers Report** - Earl, VE3VGK, gave a brief report of the clubs finances and expressed some concern that there was a number of members who had not yet paid their dues. The club has certain obligations to meet and it needs everyones support.

**Repeater Report** - Glen, VE3LIZ, informed the members that discussion was continuing with regard to the proposed remote link and stressed that a project like this cannot be rushed as there are many things to consider such as location and operation.

**Hamfest** - George, VE3INB, said that things were going well though the question of liability insurance was a concern this year. This has been taken care of however, but should be taken into account for the future. He stressed that volunteers were required for set up Friday evening, security, parking attendants, and cleanup afterwards. He said that over 200 tables had been reserved and hoped that a good attendance would be forthcoming.

**Field Day** - Martha, VA3SBD, reported that the Harmony Valley Conservation Area had been confirmed upon receipt of \$50 and a \$25 key deposit. Volunteers are required for this event on June 22 & 23.

**VE3CNE** - a committee is also required to operate the VE3CNE station on August 31 during the Canadian National Exhibition in Toronto. Winston, VE3WFS, will be the co-ordinator for this event. Please contact him to offer your services.

**New Business**

**Hamfest Rep** - an executive rep is needed for future events. George, VE3INB, has decided to retire from this position after many years. We thank George for his dedicated service in this regard.

**Code Senders** - we require code senders for Thursday code practice. Please call our net manager Howard, VE3TYQ, if you can help in this regard. Peter, VE3ZZV, had to give it up due to work obligations. Thank you Peter for your past efforts to the club.

**Thank You** - our thanks to Glen, VE3LIZ, and Bob, VE3ADJ, for a most interesting talk and demonstration on Amateur Packet Reporting Systems (APRS). It proved to be quite an attention getter. Using an overhead display they demonstrated the tracking of a weather balloon and an aircraft as well as the direct passing of traffic. Thank you both once again.

There were 26 members who signed the book - quite a good attendance. Meeting adjourned at 2200.

Ivor, VE3JMP

**Presenters Needed!**

Fred, VE3TIG, is looking for anyone interested in doing a presentation at one of our club meetings. Please contact Fred should you have a presentation or know of someone who would give one.

**Please Return Safety Belt!**

Someone has borrowed the club safety belt and we are in need of it. Would whoever has it please make arrangements with either Fred, VE3TIG, or Steve, VE3SBD to return it. Thank you!

**Fred's Radio Class**

Fred, VE3TIG, will be conducting a Basic qualification (no Morse code) class. The details are as follows.

BASIC qualification class  
 Duration: 10 weeks, 2 hours/night  
 When: Wed, May 1 - June 26  
 7:00 - 9:00pm  
 Location: 679 Aruba Crescent  
 Oshawa  
 Cost: \$75.00  
 Contact: Fred, VE3TIG  
 (905) 576-4839

The course will use the Canadian Amateur Study Guide for the BASIC qualification by RAC (NOT supplied)

**50 Year QSL Contest**

Get your creative side of you activated and start designing a commemorative 50 year QSL card for the NSARC. We will be printing this card to use for Field Day and other events this year. We are not sure what the winner will receive for a prize but you will be acknowledged on the QSL card. Bring your designs to the meeting in June at which time a winning card will be selected. Just remember that the card must be standard size as it will be used with QSL bureaus. Good Luck!

## 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

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

## Co-ordinators

<b>A.R.E.S.</b>	Fred Bengel, VE3TIG	576-4839
<b>Special Events Co-ordinator</b>		571-4716
<b>Bulletin Editor</b>	Laird Solomon, VE3LKS	434-7339
<b>Bulletin Publisher</b>	Glen Goslin, VE3LIZ	725-1545
<b>Club Historian</b>	Mike Sherba, VE3DKW	723-7674
<b>Net Controller</b>	Howard Mugford, VE3TYQ	579-7466
	Ries Wytenburg, VE3UEA	434-5550
<b>Code Senders</b>	Peter Rogers, VE3ZZV	655-5180
<b>Membership Chair</b>	Len, VE3LTB	983-5831
<b>Get Well Cards</b>	Anne Jones, VE3KWI	324-0638
<b>Nonquon Canoe Races</b>	Glen Goslin, VE3LIZ	725-1545
<b>Field Day</b>	Martha Dinsmore, VA3SBD	571-4716
<b>Instruction</b>	Gary Manser, VE3GLM	623-1108
<b>Auditor</b>	Rick Gibson, VE3ASH	434-2886
<b>Lists and Labels</b>	Len Nixon, VA3LBN	985-7120
<b>J.O.T.A.</b>	Ries Wytenburg, VE3UEA	434-5550
<b>Club Inventory</b>	Howard Mugford, VE3TYQ	579-7466
<b>Club Photographer</b>	Don Foster, VE3GXH	985-2668

## 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

May 13 Meeting  
June 10 Meeting



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

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

## Contact the Editor

VE3LKS-1 on VE3USH  
VE3LKS@VA3BBS  
Isolomon@osha.igs.net  
Snail Mail - 171 Thornton Rd. N., Oshawa, ON, L1J 6T4

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.