

NORTH SHORE ARC



"SPARKS"



May, 1995

President's Message

By the time you read this, there would have been a lot of weight taken off of a lot of shoulders. Yes that's right, the organizers of the Flea-market, they did a tremendous job and I am sure you will all agree. I would like to take this opportunity to thank the other helpers who went out on the Friday evening to set up tables. It was a good team effort, and that's what is going to keep the N.S.A.R.C. looking for other goals to accomplish.

The next general meeting on May 8th, and there after, will have the same format as our last general meeting, that is there will be no more business procedure, it will be dealt with at the executive meeting. If there is a subject that cannot be resolved, it will be presented at the next general meeting for a vote. Hopefully this will be a far more enjoyable evening where the members can listen to a guest speaker, share experiences and just have fun. For the last half hour of the meeting members will be able to present any new business for the executive and any unresolved matters will be discussed.

Thanks again for the great team work.

Until next time 73 88's

Peter Rogers, VE3ZZV.

The Sandbox Net

Short wave listeners and ham radio operators alike may enjoy the experience of working 'The Sandbox Net.' 'The Sandbox' was created by Paul Uttaro. Paul's home is in Carignan, Quebec. The Sandbox can be heard on the 40 meter subband, on 7063 kcs - give or take a kc or two, depending upon propagation. The Sandbox, is a cyclical, roundtable-type net, which allows check ins a number of opportunities to say hello. Faced with the problem of inconsistent conditions, net control moves from location to location. During the winter, when conditions favour north south communication, net control has shifted between Thunder Bay, where it has been operated by Steven - VE3DP, and Murray, an intrepid sea faring Canadian who makes his West Indies his

winter home. More recently, Allan VP9IN of Bermuda, has been the voice of the net. Paul usually resumes net control in the summer, when there is a strong east west bias. Because this frequency is off band for American phone operators, the net is predominately Canadian, with a smattering of off shore drop ins. I have heard hams from the Canary Islands, the Cape Verdes, Columbia, and a variety of West Indian Islands, participate in the net. With unusual conditions, any surprise is possible. Because of the congenial, personal, nature of the Sandbox, many of its participants have become night time regulars. Drop into the Sandbox one night for an enjoyable evening of radio.

Winston Seeney, VE3WFS

Chili Day And Fox Hunt

Make sure you mark May 28, 1995 on your calendar, it is going to be a great day for the whole family to enjoy. There will be "Chili" for everyone and a "fox-hunt" for the ham operators who want to participate. Please let us know in advance if you will be attending so there will be enough chili for everyone. I can be reached at (905) 655-5180 or by packet at VE3USH.

Peter Rogers, VE3ZZV

Pickering Nuclear Exercise February 1995

After months of preparation, the Durham Region nuclear emergency exercise took place on February 22nd and 23rd, 1995.

The week prior to the exercise saw a flurry of activity in an effort to get antennae up at some of the major sites and operators briefed and trained. On the Wednesday before the actual exercise, **Randy, VE3JPU** was notified of the final evacuation site we had to man, and testing was undertaken at three or four of the major stations. We were alarmed at the amount of interference that was encountered. An evening net took place to notify people of these problems as well as to give final instructions to be at our stations by 8 am the next day.

Nuclear Exercise...continued

Prior to the event York ARES had asked to be part of the exercise and it was decided to include them as it was felt we could benefit from their experiences. Nine of their members took part and one was assigned to each station.

We had 30 operators take part, and we set up the 8 stations as designated by the Region plus two net controls. One net control was used for checking in and for general information and the other for message handling. We tried to have at least three operators at each site. Also three packet stations were tested with mixed results but this is an area that will be looked into more fully.

It was decided that 8 or 9 simplex frequencies would be put aside but in actual fact only four were used. The net handling went very smoothly due to our using simplex for the actual passing of messages.

The exercise itself from our point of view went very well even though there were a number of problems: other agencies ran their power lines along the side of our coax; other antenna placed next to ours; noise from many sources within the stations themselves - remember it was their regular work day and phones and music etc. seemed to be the norm for them!

When we have our next exercise there are some items we must keep in mind - handhelds have a limited use when there is so much interference - filters must be available and operators know how to use them - borrowed equipment for the stations must be fully understood by the operators as there is just no time to start looking in the book - stations must be kept open until the whole operation has been closed down - flexibility by the operators.

At the Regional debriefing the following week, amateur radio got a glowing review. The general view of the whole exercise was that it was outstanding and considering that the exercise went beyond our boundaries we all worked well together. All agencies had their problems and they have now realised the limits of the existing forms of communication i.e. telephones, faxes and cellular phones in the event of an emergency.

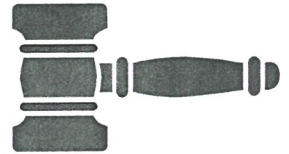
Those who gave their time and energy to this event were:

Randy VE3JPU, Fred VE3TIG, Ries VE3UEA, Margaret VE3BNN, Nick VE3VDH, Mal VE3KXH, Farney VE3BHQ, Phillip VE3PJQ, Kevin VE3OKY, Howard VE3TYQ, Dave VE3UGV, Ken VE3FIT, George, VE3SHP, George VE3SZC, Andy VE3LCZ,

Keith VE3MUA, Joe VE3MID, Irma VE3BGL, Kim VA3KIM, Stan VE3SCC, Alan VA3ALN, Rick VE3LSZ, Glen VE3ROQ, Jim VE3MNG, Bruce VE3EVV, Andrew VA3ADB, Ken VE3CCH, Glen VE3MKO, Tom VE3BTR, Patti VE3HPR.

Thanks to all for a job well done - but remember it is not over.
Margaret Jeffery, VE3BNN

N.S.A.R.C. April Minutes



The meeting was opened at 19.34 by **Peter, VE3ZZV**, who welcomed all members and guests. Peter explained the new format for regular meetings whereby as little business as possible will be conducted at such meetings with the goal of making these meetings a more interesting and friendly evening for all. As much business as possible will be conducted at executive meetings. Anyone with interest to discuss should bring it to the attention of any executive member.

Announcements:

Stephen, VE3SBD asked all newly licensed members to notify the club of their new call signs as soon as possible.

A volunteer was requested to manage this year's Field Day event. Newly licensed ham Martha Dinsmore accepted.

Peter, VE3ZZV announced a club chili cookout and fox-hunt to be held on May 28th. 1995 with a rain cancellation date of June 4th.

Riis, VE3UEA noted that the turnout for JOTA was the largest in Canada.

Peter, VE3ZZV regretfully informed the membership that **Joe, VE3FIZ** had passed away this morning.

Guest Speaker:

Fred, VE3TIG welcomed **Al Lowry, VE3AL** as this evening's Guest speaker. Al gave an interesting and detailed talk on antennas. The meeting closed at 22.00 proposed by **Riis, VE3UEA** and seconded by **Norm, VE3ON.**

minutes prepared by **George Day, VE3UEH**

CQ SSTV

SSTV was invented by Hams many years ago and also made by Hams to what it is today. Most of you will think SSTV is a very expensive mode. It was several years ago, but not any more. At that time it was all hardware controlled but with the improvement and development in PC's all modes are now controlled with software, (there are about a dozen different modes in use today). When I started in SSTV it was still very expensive. First you had to get a ROBOT 1200C, which went for \$1200, then you needed an Interface for the PC, \$300, and an RGB monitor if you wanted to see a picture. To make things worse, a Ham in Scotland invented a new mode, which is known as the Scottie mode, and in order to receive pictures from the big guns we poor suckers had to go out and buy a new EPROM (\$100 US.). To add insult to injury the ROBOT did not like the new EPROM and we had to install a new oscillator, again \$65. Next came a Ham in England who improved the picture quality and, you guessed it, another new EPROM for \$100. This mode is called the Martin mode. Then came \$200 for software. Before I was finished I spent over \$2000 on my new hobby, of course all in US. Dollars. Now comes the good news. You don't have to spend big money to go on SSTV. Since the release of a new software from Germany called JVFX it is a real explosion in SSTV. You can start SSTV for under \$10 (TEN DOLLARS!) and all the parts you need you can get at Radio Shack. I built the receiver and it is so small I put it into a 25 pin connector. Of course you have to have a PC. JVFX can do much more than just SSTV. JVFX also lets you receive the orbiting satellites. I also use the Amateur Satellites to send pictures all over the world. I have worked the satellites since 1976 and it is lots of fun. I have worked 25 Countries in SSTV. JVFX is shareware and if anyone is interested in receiving a copy come and see me and bring a 3.5 HD disk. If you like to make your own boards I have construction details and ready made boards are available from Jim, VK4AJS. If you use the program you should register. DK8JV asks only for a small donation. Listen on 14.230 MHz and ask the experts for technical support and a free newsletter. I am just an appliance operator. Saturdays at 10:00 local there is a net on 14.230. I hope some of you will get on SSTV and we can have a go on 80 meters. You will never have so much fun again for 10 bucks. See you on the Tube.

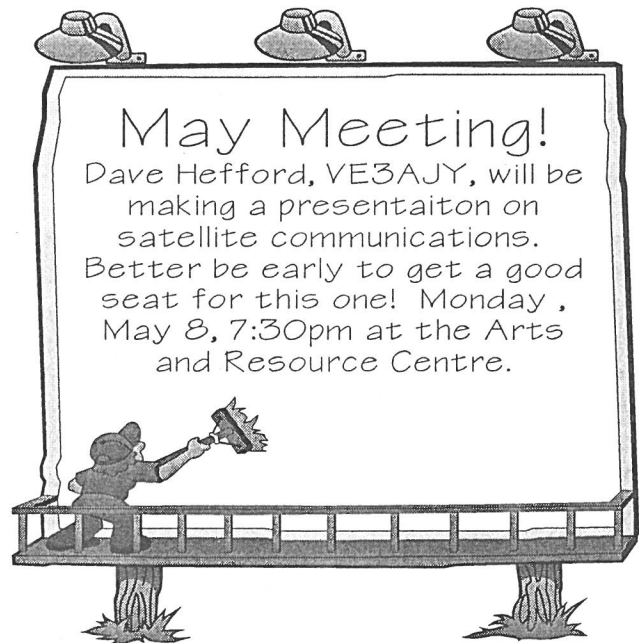
Josef Torok, VE3FVH

April 8TH HAMFEST

Thanks to all!

I would like to say THANKS to all that turned out to help me, and the Clubs during the Hamfest. For some time, I did not think that anyone was going to help, but good people as you all are, when I asked there you were. I do hope that the members will continue to support the ones that come behind me. I will not be doing the security next year, so whoever does it I will be here to call on if it need be. I would like to say a Special Thanks to Keith Adams, for all his help in the past three years that I have been there. People like Keith are a bigger asset to the Club than most of you could ever think. He works in the back ground, and does the job he started to do, and does not say a word. Thanks again Keith. Also a Special Thanks to Bernie (VE3ATI) for doing the call-in, in such short notice. Good Old reliable Bernie....

Len Nixon, VE3LBN



Thanks From the Editor

The following are the people that helped to make this months newsletter more interesting. As editor it is hard to come up with all the articles and bits of info that go in to making SPARKS a reality by myself and so I rely on YOU, the reader, to supply me with info as well. The following people contributed to this months edition.

**Josef Torok VE3FVH, Winston Seeney VE3WFS,
Margaret Jeffery VE3BNN, Len Nixon VE3LBN, Fred
Bengel VE3TIG, George Day VE3UEH, Peter Rogers
VE3ZZV, Walter Beach VE3FJC**

Laird Solomon, VE3LKS

NORTH SHORE SWAP SHOP

Len VE3LDR, (905) 723-6970

- Yaesu FRG 100 Gen.Coverage Receiver. Still under warranty \$ 550.

John, VE3VGI, (905) 728-3711

Autek QF1A Audio Filter \$60
Heath HW-12 80 meter transceiver, Power Supply and hand mic \$90
Astatic D 104 Desk mic. good condition \$35
Heath S.W.R. Meter, HM-15, \$25

Joe, VE3FVH, (905) 655-3009

Realistic HTX 100 10 meter transceiver \$180
Microwave Module 432 MHZ 100 watt linear \$325
Balun B1-2k 1:1 50 ohm \$10
MFJ CW Filter CWF-2 \$10
Heathkit SB-610 Scope \$100
KLM 2 meter Ant. KLM-13LBM. good for satellites \$80

John, VE3VGI, (905) 728-3711

Autek QF1A Audio Filter \$ 60.00
Heath HW-12 80 meter transceiver, Power Supply and hand mic \$90
Astatic D 104 Desk mic. good condition \$35
Heath S.W.R. Meter, HM-15, \$25

Gord, VE3UIB, (905) 433-7005

Kenwood Dual Band Handheld Model 79 A with extra battery and wide band receive \$630

Fred, VE3TIG, (905) 576-4839

DENTRON MT-2000A Antenna tuner including manual.
Frequency Coverage: 1.8 - 30 MHz Continuous
Input Impedence: 50 ohms (Resistive)
Output Impedence: Coax - 50 ohms nominal; may range from a few ohms to a high impedance
Long wire either high or low impedance
Power Capability: 3000 watts P.E.P.
Insertion Loss: .5 db or less after tuning
Dimensions: 5.5" high, 14" wide, 14" deep
Weight: 18 lbs. \$230 - shipping extra.
Wanted - Kenwood 732 dual band mobiles

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

Quotable Quotes...*I didn't say that!*

It is better to remain silent and be thought a fool than to open your mouth and remove all doubt.

Laird Solomon, VE3LKS

Bulletin Deadline!

Please have any articles or items that you would like to see in the bulletin delivered to the editor before 6:00pm on Wednesday, May 24. Due to space limitations not all articles may be published that month and editing for size may be necessary. You can send info via the following:

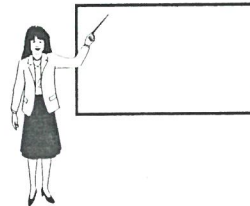
PBBS	VE3LKS-1 from USH
Packet	VE3LKS@VA3BBS
CompuServe	75121,3105
Internet	75121.3105@compuserv.com
Snail Mail	171 Thornton Rd N. Oshawa, L1J 6T4

NOTE: the CompuServe address has a comma separating the two sets of numbers and the internet address uses a period!

I prefer to receive information via the above methods but if you must call, **please do not call after 9:00pm.** (5:00am comes pretty early!!)

Presentors Needed!

Fred Bengel, VE3TIG, our program director is looking for people to make presentations at our monthly meetings on one or more of the following areas. If you or someone you know are interested please give Fred a call. You can find Fred's particulars on the Info Page.



- Packet Radio
- QRP
- Satellite Communications(amsat) - Micro Sat, Dove, Oscar, Arsene
- Amateur Television- Slow Scan, Fast Scan
- Antennas- VHF/HF
- Antennas - HF
- Transmitter Hunting
- Dxing
- Awards Chasing
- RTTY-AMTOR-PACKTOR
- Emergency Communications - Field Day
- EMO
- Home Brew Night
- Other

The Info Page

Executive

President		
	Peter Rogers, VE3ZZV	655-5180
Vice President		
	Steve Dinsmore, VE3SBD	571-4716
Treasurer		
	Earl Matthews, VE3VGK	725-5606
Secretary		
	George Day, VE3UEH	432-1368
Program Director		
	Fred Bengel, VE3TIG	576-4839

Co-ordinators

A.R.E.S.		
	Fred Bengel, VE3TIG	576-4839
Special Events Co-ordinator		
	Ralph Day, VE3CRK	576-8738
Bulletin Editor		
	Laird Solomon, VE3LKS	434-7339
Bulletin Publisher		
	Glen Goslin, VE3LIZ	725-1545
Club Historian		
	Mike Sherba, VE3DKW	723-7674
Net Controller		
	Roy Miller, VE3AAF	852-5447
Code Senders		
	Rick Gibson, VE3ASH	434-2886
	Dave Hefford, VE3AJY	436-3026
Registrar		
	Keith Wyard-Scott, VE3GDF	723-5758
Get Well Cards		
	Anne Jones, VE3KWI	324-0638
Nonquon Canoe Races		
	Glen Goslin, VE3LIZ	725-1545
Field Day		
	Martha Dinsmore,	571-4716
Instruction		
	John Nicholls, VE3SII	683-2495
Auditor		
	Rick Gibson, VE3ASH	434-2886
Lists and Labels		
	Paul Dale, VE3LHZ	434-6741
J.O.T.A.		
	Tom Rogers, VE3BTR,	640-5549
Club Inventory		
	Howard Mugford, VE3TYQ	???-????
Club Photographer		
	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 1995 Calendar

May 08	General meeting
May 28	Chili & Fox Hunt
Jun. 12	General meeting
Jul. 10	Sermon on the Mount (Fun at the rpt site!)
Aug. 14	Corn roast
Sep. 11	General meeting
Oct. 09	General meeting
Nov. 13	General meeting
Dec. 11	Christmas party



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

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

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.

Coming in June

The fellow speaking at the June meeting will be **Brian Mulvihill, VE3VGR**. The theme will be touchtone programming and decoding. Anyhow please also note the change in operating procedure during club evenings. Any business that is coming from the floor should be presented to a member of the executive prior to the night of the meeting and (B) speaker will present first and business will be kept to a minimum at the very end of the meeting. I hope that you can attend the May meeting.

73 de Fred, VE3TIG

Congratulations! New Amateurs!

The exam for Basic Amateur Radio Operator Certificate was held on Thursday, 30 March 1995. The following week, the Morse Code test was administered. The following students were successful. Congratulations to them and let us know your call sign as soon as you get it so that we can update our records. Those who fell slightly short are encouraged to keep trying and contact Rick for a retest. Please join us at our Club meetings and events. We are glad to have you with us and hope you enjoy your new hobby. Please give consideration to also joining our national organization, Radio Amateurs of Canada (RAC). Contact **Stephen, VE3SBD**, if you wish information or registration forms.

73 de John, VE3SII and Stephen, VE3SBD

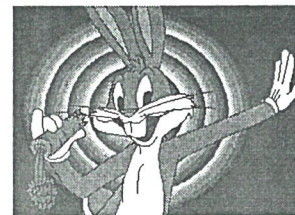
Norman Bear, 5 wpm
Les Burgess
Darren Burns
Martha Dinsmore, 5 wpm
John Houghton
Harold Metcalf
Doug Myers
Alex Parker, VA3AMP
Joe Ribeiro
André Vanier, VA3AGV
Donald Weales
Jack Wilde
Steve Zahorec

1995 Atlantic Division

Hamfests + denotes ARRL Hamfest

+APR 23	Penn-Del ARC - New Castle, DE
+MAY 6	Southern Tier ARS - Owego, NY
MAY 6	Susquehanna Valley Repeater Assn - Elizabethtown, PA
+MAY 7	Warminster ARC - Wrightstown, PA
MAY 7	Smith Falls, ON,

MAY 13	Ottawa Valley Mobile Radio Club, Ottawa, Parry Sound, ON.
MAY 13	Quinte ARC Hamfest, Bellville ON. CANCELLED
+MAY 14	Antietam RA - Hagerstown, MD
+MAY 20	Ephrata ARS - Ephrata, PA
+MAY 19-21	Rochester - Rochester, NY
MAY 28	"Hamfest Du Quebec" Sorel-Tracy, Tracy, PQ.
MAY 28	Maryland FM Assn - West Friendship
JUN 03	Central Ontario Amateur Radio Fleamarket. Kitchener, ON.
+JUN 3	Rome RC - Rome, NY
+JUN 4	Breezeshooters - Butler, PA
+JUN 4	Tamaqua, PA * CANCELLED *
+JUN 11	Central PA - Winfield, PA
+JUN 11	Lancaster ARC - Darien Center, NY
+JUN 11	Hanover Hamming Assn - Hanover, PA
JUN 15-18	Central Alberta Radio League, Red Deer AB.
+JUN 17	Skyline ARC - Cortland, NY
JUN 17	Red Rose RPTR Assn - Lancaster, PA
+JUN 18	Frederick ARC - Walkersville, MD
+JUL 2	Murgas ARC - Wilkes-Barre, PA
JUL 4	Harrisburg RAC - Bressler, PA
+JUL 9	BRATS - Timonium, MD
+JUL 9	Genesee Radio Amateurs - Alexander, NY
+JUL 9	North Hills ARC - Pittsburgh, PA
JUL 15-16	Three Forks Montana, 61st. International Hamfest
JUL 15-16	Amateur Radio Emergency Preparedness Hamfest, Mission City, BC.
+JUL 22	Jonestown Mtn Rptr Assn - Huntington Mills, PA
JUL 22	Utica ARC - Utica, NY
JUL 23	Indiana Co. ARC - Indiana, PA
+JUL 23	Mid-Atlantic DX & Repeater Assn - Brunswick, MD
JUL 28-30	South West ARC, Swift Current, SK. Campfest 95,
+JUL 29	Columbia-Montour ARC - Berwick, PA
AUG 04-06	Fredericton ARC, New Brunswick.
AUG 5	Jefferson Co. ARC - Clayton, NY
+AUG 6	Mid-Atlantic ARC - Warrington, PA
+AUG 6	Skyview ARC - New Kensington, PA
+AUG 12	Fingerlakes - Ithaca, NY
+AUG 13	Delaware-Lehigh ARC - Easton, PA
+AUG 13	Summit ARA - Westminster, MD
AUG 19	Brantford ARC, Burford Fairgrounds, Burford, ON.
+AUG 20	Delmarva - Georgetown, DE
+AUG 26	RAGS - Syracuse, NY
+AUG 27	Gloucester Co. ARC - Mullica Hill, NJ
SEP 09	Victoria-Haliburton ARC, Lindsay, ON
SEP 09-10	Manitoba ARC, Manitoba Agricultural Museum
+SEP 9	Radio Assn of Erie - Erie, PA
+SEP 10	Butler Co. ARA - Butler, PA
SEP 10	Foundation for Amateur Radio - Gaithersburg, MD
+SEP 16	Buffalo - Hamburg, NY
+SEP 17	South Jersey RA - Pennsauken, NJ SEHwy. 53.
+OCT 15	Columbia ARA - West Friendship, MD
OCT 21	Greenwood ARC, Centre, Greenwood, NS
+OCT 22	RF Hill ARC - Sellersville, PA



THAT'S ALL FOLKS!