

# NORTH SHORE AMATEUR RADIO CLUB "SPARKS"

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## CLUB CALL VE3NSR

CLUB REPEATERS, VE3OSH 147.120 & VE3NAA 443.000

N.S.A.R.C. EXECUTIVE FOR 1993 *July*

|                  |                |        |          |
|------------------|----------------|--------|----------|
| President        | Richard Button | VE3RJB | 725-7150 |
| Vice President   | Casey Coley    | VE3NGT | 623-0264 |
| Treasurer        | Laird Solomon  | VE3LKS | 434-7339 |
| Secretary        | Fred Bengel    | VE3TIG | 576-4839 |
| Program Director | Peter Johns    | VE3WWZ | 723-9049 |

## July 1993 Volume 07

## 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    | Rick Gibson       | VE3ASH | 434-2886 |
| 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   | Ray Zambonelli    | VE3OUB | 723-2467 |
|                            | Ralph Day         | VE3CRK | 576-8738 |

Meetings are ALWAYS on the 2nd Monday of the month at 19:30 SHARP

At the Arts & resources Centre in Oshawa on Queen Street.

The Thu. OSH net at 19:30 hrs, CW practice at 20:30 hrs by Bernie VE3ATI.

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



## Trivia Answer

W4MKM was one of the first to go to work on Wendell Anderson's rolling-pin picture reproduce described in November 1965 QST. He has obtained many successful pictures from weather satellites, and just recently shifted over from negative to direct-positive readouts, using ordinary photographic enlarging paper. For anyone interested in reading the whole article it can be found in QST, April 1968, page 28.

## SIGNS

At the May 10 meeting George, VE3UEH, presented to the club that signs that were designed for Field Day, Jamboree On The Air, and other special events. Everyone in attendance was impressed by the signs and we even had a short demo as to how they function. Thanks goes to George who worked behind the scenes to find a sign maker and to design them.

## A PUBLISHED AUTHOR

Amongst our ranks in our local club are hams who are not in the forefront for everyone to see what they are doing. Winston, VE3WFS, is one such Amateur. Winston was instrumental in getting our guest speaker, Vernon Vowels, to make a presentation at our last meeting on telephone interference. Winston is also very talented with the pen (or is that computer) and was the editor for a genealogical society newsletter, which he won an award for, and still edits a family genealogical newsletter that is distributed to his family members throughout the world. In the May edition of the Canadian Amateur, Winston again has made it to the printed page. He has a glowing tribute to the Amateurs who helped him in this hobby in the Letters section on page 5. It's nice to see some of our local members get national attention.

(Laird, VE3LKS)

## FLEAMARKET STATUS

There was a total of 1737 paid admissions with 198 vendor tables. The split for the N.S.A.R.C. was \$4792.50 after all bills were paid.

## TREASURERS REPORT

Income Statement Year-to-date amounts

|                    |          |
|--------------------|----------|
| Draw Income        | 25.00    |
| EMO Income         | 2,000.00 |
| Fleamarket Income  | 4,792.50 |
| Membership Income  | 1,125.50 |
| Repeater Donations | 95.50    |
| Total Income       | 8,038.50 |

### Expenses

|                    |          |
|--------------------|----------|
| Bank Charges       | 2.40     |
| Bulletin Expense   | 387.59   |
| EMO Expense        | 239.97   |
| Fleamarket Expense | 423.78   |
| Insurance          | 550.00   |
| Miscellaneous      | 85.72    |
| Rent               | 96.30    |
| Repeater Expense   | 146.00   |
| Trailer Expense    | 372.74   |
| Total Expenses     | 2,304.50 |
| Net Income         | 5,734.00 |

### Balance Sheet

|                   |           |
|-------------------|-----------|
| Petty Cash        | 209.58    |
| Chequing          | 5,856.88  |
| Savings           | 7,640.76  |
| Total Cash & Bank | 13,707.22 |

By Laird Solomon/VE3LKS

## NEW CALLS

Robert O'Toole, former SWL, is now VE3VKM and Ann Jones is VE3KWI and for those who don't know Ann her OM is VE3ADJ Bob Jones

## Take Note!!

The following article was taken from packet, I thought it would be of interest to some of the hams who use gel cells and ni-cad batteries to operate their equipment. I have not tried this information but it seems to coincide with what

information I have so should work with no problems, but if you incorporate any of this information into your existing situation you are responsible for all results, good or bad.  
[EDITOR]

## GEL CELL CHARGING REQUIREMENTS

The author VE3EQH , George lives in a retirement home and his access to the packet repeater is limited. He originally shared this information on a voice repeater where a group of "Bike mobiles" listened with great interest. George was kind enough to prepare a written text and passed it on. Isn't that what ham radio is all about ? Sharing of technical information .

The gel cell is not like the Ni-Cad in that it does not give an almost constant voltage output, until it goes flat , but it is more like a car battery where the voltage slowly goes down. The chemistry of the Gel Cell is the same as the car battery, but the charging procedure is completely different. The cell requires a filtered DC voltage instead of a fluctuating one that the car battery requires. The Ampere hour rating of the cell determines the charging rate. The rule is charge it at 1/10 of the Amp Hour rate at 2.3 volts per cell, that means that a 12 volt 6 amp hour battery is to be charged at 13.8 volts at 0.6 amps ( 600 ma). If the cell voltage is down considerably when checked before charging, it may draw more than 0.6 amps when 13.8 volts is put across it. The max. amps for charging in this case is 0.9 amps for a short time, so the voltage will have to be lowered to stay below this max. value to avoid damaging the battery. Normal charging time for this size of battery is 4 to 5 hours. A suitable charger can be made from a transformer with an 18 volts rms. secondary , a bridge rectifier rated at about 4 amps at 50 volts, you want it to run cool and not subject to breakdown, with a filter capacity of about 10,000 ufd, no chokes are required,

they would be too expensive to run at this current. The way to get the variable voltage feature is to feed the transformer with a VARIAC transformer ( variable voltage transformer) . This means that your output of the charger must be metered for both voltage and current. The capacitors should be rated at 35 volts min. , preferably 50 volts, this will give protection against spikes on the power line getting into the supply and possibly damaging it. Of course don't use the charger during and electrical storm.

HOPE THIS ARTICLE CAN BE OF SOME USE TO YOU

The Radio Shack ac/dc adapter model 273-8005, is rated at 800 ma but the gel cell is a 7 amp hour battery. The voltage is variable and it goes from 3,4.5,6, 7.5 9 and 12 volts. Connect positive to positive, negative to negative. It is a ready made set up of what George has describe.

## Heath Kit Still Lives

Heath kit is still in business but only in the U.S.A., and although they are no longer manufacturing amateur kits, if you require parts they should still be available and there is a toll free number 1-800-444-3284. (TCA/Sudbury ARC )

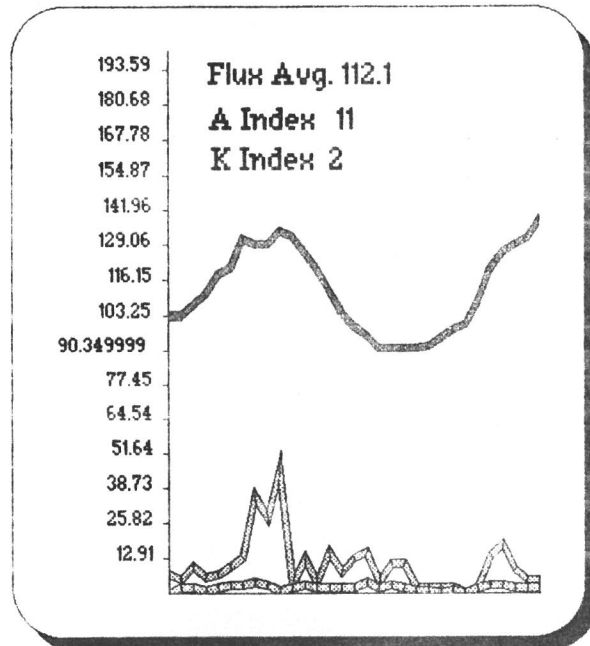
## Sermon On The Mount

Well it's that time of the year again for the very popular social evening at the repeater site in lieu of the regular meeting. All are welcome to come and mingle with all the people you may not have seen since last year. I understand VE3SVD Len will be looking after things so I expect things will be well in hand. I would suggest that you arrive by 6:30 PM as the daylight hours determine the length of the event and the evening goes by very quickly when having a good time. One note, it would not hurt to bring a bit of mosquito repellent along, just in case. (Editor)

## Another Hint

Clean stuffed animals with dry corn starch rub in, let stand and brush off and to cleanup spills in your oven sprinkle immediately with salt. When the oven has cooled brush away the burnt-on food with a damp sponge. (Editor)

## Solar Flux For May



## Peter Says

The shortest period of time lies between the minute you put some money away for a rainy day and the unexpected arrival of rain and the trouble with being a good sport is that you have to lose to prove it. (VE3PLM)

## Minutes Of June Meeting

Meeting was called to order at 19:40 by Richard, VE3RJB.

Treasurer's report indicated a balance of \$11,330.22 of which \$1,647.07 is part of EMO funds.

Nonquon Canoe Race and Triathlon Glen, VE3LIZ report that there were approximately a dozen club members who turned out to provide

communications for the 106 canoeist on Saturday and the 80 entrants to the triathlon on Sunday.

EMO Margaret, VE3BNN report no new developments.

Library Display Margaret, VE3BNN reported that the amateur radio display which was produced by Mike Sherba and herself, will be in the main display case at the Oshawa Public Library, Main Branch until Thursday June 17th.

Trailer Jim, VE3SVM reported on the progress of the trailer. He indicated that it would be useful to get a few more items such as gas shocks to support the doors open and a tarp to cover it when not in use. Motion was made by Winston, VE3WFS to spend an additional \$500.00 to obtain the necessary improvements. Seconded by Bernie, VE3ATI. Motion carried.

Field Day Tom, VE3TBR reported that we will have three HF stations operating and 2 packet stations. In order to obtain additional points the club will also operate a solar/battery powered station. Tom informed the members that we still require an additional computer to help with the logging of stations contacted during the event. Jim's wife Norma will be doing the cooking for field day this year as it was reported that Rick and Velora have been living at a hotel for over a month because their home was damage due to a fire and that they will be involved in moving during the field day weekend.

Set-up time for field day will be 0900 on Saturday and takedown time will be noon on Sunday.

All interested individuals are invited to attend Field Day at the Harmony Conservation area on June 26-27th 1993.

Sermon on the Mount Len, VE3SVD will be looking after the organising of this event.

Corn Roast Sara, VE3ZQS has offered to assist Ron Wragg, VE3AIY with this event.

**Repeater Committee** Richard, VE3RJB mentioned that the committee is looking at two new sites which will be announced at future meetings.

**Santa Claus Parade** Ralph, VE3CRK has attended the committee meetings held by the Jaycees. They are looking for the club to become involved. An offer of a flatbed trailer was made by Jim, VE3SVM but no one was interested in heading a committee. Ralph will continue to attend meetings to keep club informed of what is happening.

#### **Coffee Break**

Casey Coley, VE3NGT introduced Keith Goobie, VE3OY who gave an excellent talk on packet radio.

**50/50 Draw** was won by James Collins, VE3OYE.

Meeting adjourned at 22:20 (VE3TIG)

### **Peter Says**

You can't get anywhere unless you start and at income-tax time, Canada is a land of untold wealth. (VE3PLM)

### **Trivia**

In what year did Samuel F. B. Morse first demonstrate his method of telegraphy over wires? What year did he have his first commercial circuit operational and between what two cities?

### **Hints**

To clean up spills in your oven sprinkle with automatic dish washing powder, cover with wet paper towels, let stand for a few hours then clean with a damp sponge. (Editor)

## **AUGUST CORN ROAST**

The August meeting (**Corn Roast**) will be held on Tuesday, August the 10th, with the alternate date being Wednesday, August 11th in case of rain. The Harmony Conservation Area was booked for Monday, August the

9th. Watch the August Bulletin for further information on updates (ie. availability of corn). 73 Ron, VE3AIY

## **NONQUON WEEKEND**

The 25th anniversary weekend went very well, not the best of weather on Saturday but a very good day on Sunday, and lots of participants for both events. Also, we had plenty of operators to supply the needed communications for the organisation during both events. There were 108 canoes entered in the Canoe The Nonquon on Saturday and 70 participants for the Nonquon Triathlon on Sunday. Helping with the communications during the weekend were Bill, AAA; Roy, AAF; Bob, ADJ; Ralph, CRK; Don, GXH; Kevin, KJF; Laird, LKS; Doug, QRM; Jim, SVM; Fred, TIG; Gord, UIB; Jim, UQZ and myself. On Saturday evening, the 25th Anniversary Reception and Dinner was held at the Latcham Centre with over one hundred people, organizers and participants, in attendance. The buffet dinner started at 6:20 PM., and afterwards, the Trophies were presented and Special Presentations were made. The weekend proved to be a huge success for the organizers with a large donation of money going to the Museum on Scugog Island.

73 with Thanks, Glen, VE3LIZ.

### **Getting Old**

You know you are getting old when you have more hair on your chest than your head, and the last President you enjoyed voting for was Teddy Roosevelt. (VE3LLZ)

### **Peter Says**

No-one tests the depth of a river with both feet and in a recession, prices are determined by the economic law of oversupply and underdemand. (VE3PLM)

**Wanted** Old frequency meters, the older the better  
call VE3DKW Mike 416-723-7674

**For Sale** Icom 402 70 cm transceiver ssb/cw portable, 3 watts asking \$200.00  
call VE3LNX Victor 416-983-5831

**For Sale** Microwave modules 6 meter transverter 10 watts, asking \$300.00  
call VE3LNX Victor 416-983-5831

**For Sale** Hustler antenna system 10, 12, 15, 17, 20, 40, 80 meters, asking \$175.00  
call VE3LNX Victor 416-983-5831

**For Sale** Isapole for 220 mhz, with mast pipe, like new asking \$55.00  
call VE3LNX Victor 416-983-5831

**For Sale** Heath VLF converter model HD1420 with manual, asking \$40.00  
call VE3LNX Victor 416-983-5831

**For Sale** Heath SA-2500 auto tuner, 2KW rated, like new, asking \$375.00  
call VE3CXX Clare 416-433-8937

**For Sale** Heath SB-610 monitor scope with manual, asking \$125.00  
call VE3CXX Clare 416-433-8937

**For Sale** Tandy electronic indoor/outdoor theometer with manual, asking \$10.00  
call VE3FJC Walter 416-263-2338

**For Sale** Heath SB-634 station console, patch, power, swr, clock, timer, asking \$165  
call VE3LNX Victor 416-983-5831

**For Sale** Kenwood TH-45AT 70 cm ht. rapid charger, manual, asking \$240.00  
call VE3UIB Gord 416-433-7005

**For Sale** Yaesu FT-101-E 10-160 meter transceiver, manual, asking \$425.00  
call VE3LNX Victor 416-983-5831

**For Sale** 4cx250B tubes asking \$35.00 each or \$100.00 for four  
call VE3LNX Victor 416-983-5831

**For Sale** Delhi # 4 straight tower sections asking \$50.00 each  
call VE3LNX Victor 416-983-5831

**For Sale** New 1" aluminium tubing in 12' lengths, .049 ga. wall asking \$25.00 each  
call VE3LNX Victor 416-983-5831

**For Sale** New 1/2" aluminium tubing in 12' lengths, .095 ga. wall asking \$20.00 each  
call VE3LNX Victor 416-983-5831

**For Sale** 903mhz 33 element loop yagies on 12' boom, asking \$50.00 each  
call VE3LNX Victor 416-983-5831

**For Sale** 1296mhz 45 element loop yagi on 12' boom, asking \$50.00  
call VE3LNX Victor 416-983-5831

**For Sale** 2304mhz 45 element loop yagi asking \$50.00  
call VE3LNX Victor 416-983-5831

**For Sale** Microwave Modules 6 meter transverter 28 mhz if. asking \$300.00  
call VE3LNX Victor 416-983-5831