

S P A R K S

THE NORTH SHORE AMATEUR RADIO CLUB INC.

June 1981 Edition

Executive & Officers:

President	Don Cole	VE3HYW	985-8197
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	Glen Flintoff	VE3AEQ	725-6408
	John Pluister	VE3FGL	655-4269
	Ron Wragg	VE3AIY	723-4925
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Contributing	Bernie Sandbrook	VE3ATI	
Editors	Eric Atkins	VE3HMG	

Club Repeater: VE3OSH    147.72 In  
  147.12 Out

Club Station:    VE3NSR

NETS:- The 2 Meter Net meets every Thursday at 19:30 local, with Roy VE3AAF at control.

The 10 Meter Net meets Sundays at 10:00 local on 28.200 with George VE3GOU at control.

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N E X T   M E E T I N G

Tuesday 9th June, 1981, in the cafeteria of O'Neill C.I. at 20:00 This is Field Day Meeting so it is ultra important to make it. There is much planning and organizing to be done.

NOTE:- The annual "on the hill" will be coming up in July and you will get the date/time either from this desk or on the 2 Meter Net.

HAVE A VERY FINE SUMMER AND CU IN SEPT.

Randy & Mac

From: North Shore Amateur Radio Club,  
P.O.Box 171, Oshawa, LH 7L1.

June



TO:

DAY RALPH VE3CRK  
454 HULCAN AVE  
OSHAWA ONTARIO  
L1G 5X6

'FIELD DAY' "81"  
COME ON OUT

Durham Region  
A.R.E.S.

The function of the Amateur Radio Emergency Services is to provide reliable communications to civic authorities in the event of a civil emergency. The plan for Durham Region calls for two services to be given.

The first is to provide a secondary radio network for local emergency services as a back up to the telephone system. Should Bell Telephone be incapacitated or overloaded, there is no inter-communication between them. Local hospitals, the Works Department and any other service or individual needing communications will be served if possible. The objective is to pass on traffic initiated and authorized by others and to inform them of any pertinent information picked up on the amateur bands which pertains to them. we ourselves do not initiate any traffic.

Our second objective is to assist local authorities in the locating of people separated by the disaster from their families. Again we do not initiate traffic, only pass it. An authorizing signature of a Red Cross worker with signing authority, or a Durham Social Services worker will be required for your own protection. For simplicity, this traffic will be handled in the ARRL format which past disasters have shown to be the most efficient and least confusing way of passing Health & Welfare messages. We are permitted to initiate traffic leaving the area via the National Traffic System. If an evacuee wishes to notify family members in another town or city that all is well, his signature on the radiogram form (they will be supplied) is all that is required.

It should be made very clear at this point that your own family and property come first. No one expects you to think any other way as we will all be doing the same thing. Once you are satisfied that the home front is secure, then you check in to the net.

In the future, we plan to have an A.R.E.S. membership check-in on the Thursday night net just before code practice. It is only a check-in, nothing more. In October, a disaster exercise is being planned as a part of the Simulated Emergency Test. This exercise can be done in the comfort of your shack but be prepared for some 'red herrings' such as repeater failures, loss of hydro, etc. It will provide us with experience at coping with all sorts of problems encountered in this type of situation, and should be a lot of fun.

Some people have been assigned to specific locations at the request of the Durham Regional Police which now administers Emergency Planning in the region. The rest of the membership will either be relief for these people or will be assigned as needed to areas where we are required. The evacuation sites will have a chief operator on location to whom you will report.

Anyone wishing to join A.R.E.S. can do so by contacting Don Cole at 985-8197 or myself, Frank Rosseter, at 723-6358. The requirements are a willingness to help, an amateur license and your own equipment. SWL's are welcome to assist as well.

Net control will be VE3NSR, located at the police station on Rossland Road opposite the Regional Offices in Whitby. VE3OSH has been assigned to emergency services while VE3RPT will be used for evacuation centres. Check-ins will be done on VE3IL, with Dave, VE3LEW, at control. Dave will also handle the Thursday night check-ins on OSH.

Until next time,

## COMPUTER CORNER

Last month we spoke about the PIA or parallel to parallel adapter. The Motorola Asynchronous Communications Interface Adapter (ACIA) is a parallel to serial adapter and vice versa. The computer bus with it's parallel configuration needs to be interfaced with a UART or ACIA chip in order to work with a a serial oriented peripheral such as the VUCOM or other video terminals and teleprinter units.

The ACIA not only converts the parallel data to a serial string of data but by means of such registers as transmit, receive, control and status registers, the data is organized and each byte is sent or received as required or held until the computer or peripheral is ready to be serviced. The activities are carefully timed and controlled with respect to baud rate by means of transmit and receive clock inputs.

If we assume that data is flowing out to a teleprinter, for example, and the printer is capable of operating at 60 words per minute, it is obvious that most of the time the computer is sitting there waiting for a signal to tell it to send another byte. What a waste of time. In the larger computers, a form of time sharing is used where a large number of users can be hooked up and serviced at what appears to be the same time.

Actually they are operating so slowly compared with computer speed that, while they each seem to be operating at the same time, they are, in fact, operating one after the other. Your favourite bank is one example of many terminals being connected to a central computer system and being effectively serviced one at a time.

In the advertisements in magazines referring to computer oriented equipment such as RTTY and CW terminals, the word FIFO often will appear, and it is an acronym for First In, First Out. When you are on the air in contact with another station who has a 60 wpm printer and you are a hot shot typist, you can type faster than that and have the computer store some of the data and only let it transmit at 60 wpm.

Another good use for the FIFO is when you are receiving RTTY from your contact, you can be answering him but not transmitting it until he turns it back to you. You throw the switch and away you go at a perfect 60 wpm. A fledgling typist then appears to be an instant expert. Actually, it gives you a better chance to absorb what he is saying to you and you can give a fairly intelligent answer. This type of operation is commonplace on the bands today.

Bernie

VE3ATI

## C O M I N G   E V E N T S

For those who have been living in a cave, or perhaps north of the 60th parallel follows a list of upcoming Flea Markets etc.,

Central Ontario Amateur Radio Fleamarket. Held at the Centennial Arena in Guelph, Sat. June 13th, 1981.

Lake Simcoe Hamfest. Held at Molson's Park, in Barrie, June 12, 13, and 14.

Field Day: Sat/Sun. June 27 & 28, (see below).


Ontario Hamfest. Held at the Milton fairgrounds. Sat. 11th July.

Batavia Hamfest. Held at Alexander Firemen's Grounds in Batavia, N.Y. July 12, 1981.

### NEWS NOTE

The club has furnished McLaughlin Public Library with copies of the 1981 DX and U.S. Callbooks. These are to be kept in the reference dept. for anyone's use. Now you can get those QSLs on the way.

NORTH SHORE AMATEUR RADIO CLUB



FIELD DAY 1981

JUNE 27, 28 AT THE  
HOME OF DAVE VE3LEW

HIGHWAY 12 ABOUT 1 MILE NORTH OF MYRTLE STATION.

COME ONE, COME ALL FOR FUN, OPERATING AND MAYBE AN 8#7!!

S e l l - S w a p - B u y

FOR SALE: Two (2) 19" Rack/console. Mini-desk type. Complete with casters. \$75.00 ea. Contact John VE3DDD at 623-6009.

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WANTED: Bearcat 250 Scanner. Contact Dave VE3LEW at 985-3553.

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FOR SALE: Hustler mobile ant. c/w resonators for 80/40/20/10 Best offer. Contact Mac VE3IKG at 723-8484.

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FOR SALE: 18 sections of Delhi tower - Ham III rotor (new) - Two 50ft. alum. masts. Two quads, A vucom II 66 line and much more. Get in touch with BILL McPherson at 839-1437.

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FOR SALE: DX-160 and/or SX-190. Call Brian Chown at 725-5943.

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FOR SALE: R1155 rcvr. 75Khz.-18Mhz. Audio amp. built-in. Less p/s and speaker, \$45.00. Also, Measurements Corp. sig-gen for \$20.00. Contact Ed VE3FRM at 985-3790.

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FOR SALE: Linear, Dentron MLA 2500. 160-10M. Used only 2 hours. Cost \$1819.00, asking \$1300.00. Call Ray VE3RP at 839-3051.

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FOR SALE: Linear, Heath SB230. 1KW. Must be seen to be appreciated. Call Hessel VE3FAT at 728-5227 (after 17:00)

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FOR SALE: DX-150A All-band rcvr. \$100.00 Contact Les at 623-7338.

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WANTED: "Xtals" for any HF band. Building QRP xmtr. Swap for whatever. Call Randy VE3MUR at 576-4577.

Membership List Additions.

- VE3CUJ Bill Schofield 37 Hawksbury Dr., Willowdale M2K-1M4
- VE3MUU Victor Lis P.O.Box 805, Lindsay, K9V-4W9
- VE3EWA Bill Greig 810 Beech St., Whitby, L1N-3B7 668-5166
- VE3ADJ Bob Jones R.R.#2 Janetville, L0B-1K0, 705-324-0638

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COME ON OUT !!!!

\* STOP THE PRESSES! -

FOR SALE:- SINCLAIR RAPIER/SABRE ANT. + TOWER + COAX.  
OTHER HAM GEAR AS WELL.

CALL EARL VE3AZT  
723-2141