

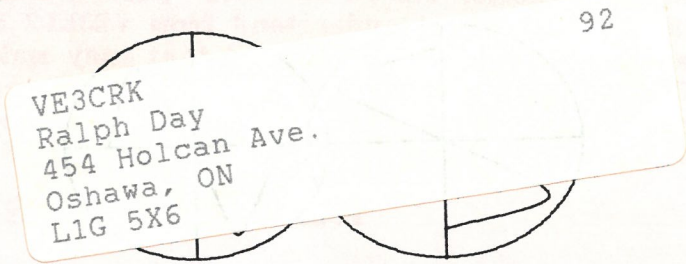
AMARC

NORTH SHORE AMATEUR RADIO CLUB

"SPARKS"

Club meetings held on second Monday of the month at the Arts and Resources Center, Oshawa except the July Sermon On The Mount and the August Corn Roast.

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



92

CLUB REPEATER VE3OSH, ON 147.120
HARRY'S REPEATER VE3NAA, ON 443.000
CLUB SPECIAL EVENTS CALL VE3NSR

N.S.A.R.C. EXECUTIVE FOR 1992

President	Richard Button	VE3RJB	725-7150
Vice President	Margaret Jeffery	VE3BNN	725-1238
Treasurer	Greg Schatzmann	VE3GJS	576-4566
Secretary	Fred Bengel	VE3TIG	576-4839
Director	Peter Johns	VE3WWZ	723-9049

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
Transmitter Hunt Coordinator	Victor Doty	VE3LNX	983-5831
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
CNE & Field Day	Greg Schatzmann	VE3GJS	576-4655
Instruction Coordinator	Rick Gibson	VE3ASH	434-2886
Auditor	Harry Westwood	VE3QG	683-5104
Lists and Labels	Paul Dale	VE3LHZ	434-6741
Club Inventory	Doug Barnes	VE3WJR	357-2342
Ride For The Handicapped	Ray Zambonelli	VE3OUB	723-2167
	Ralph Day	VE3CRK	576-8738

The 2 meter net convenes every Thursday night at 7:30 PM on the club repeater VE3OSH, as part of the regular agenda Bernie VE3ATI provides code practice from 8:30 to 9:30 except for July and August when Bernie declares a holiday.

Coming Fleamarkets

The next fleamarket will be the Durham Amateur Fleamarket, held on April 11 1992 at Pickering highschool, doors open to the public at 9:00 am, vendors at 7:30 am.

Next Meeting

The next meeting will be on Mar. 09 1992 at the Arts and Resources Center, meeting commences at 8:00 PM.

KA2KNZ "Dick"

I hate to be the one to bring sad news but to all who didn't know that KA2KNZ Ernest Richards better known as "Dick" passed away on Feb. 2 1992 at approximately 2 am at his home in Florida, I understand from VE3LLZ Bob who was talking to Dick's family that anyone wishing to send flowers asked that they make a donation to the North Shore Amateur Radio Club. I know that Dick will be greatly missed because he had a lot of friends on the Oshawa repeater where Dick could be found rag chewing most mornings and who was also a regular check in on the Thu. night net with VE3AAF Roy. (Editor)

Last Months Trivia Answer

The first OP-Amps were used in early computers in the mid 1940's, these OP-Amps were very large because they were tube type, they also consumed very large amounts of power in the process as well as dissipating lots of heat.

Did You Know

That the U.S. ounce is larger than an Imperial ounce even though the Imperial gallon is approx. 20% larger.

It takes about 23 seconds for blood to circulate thru the entire body.

Only one in three people in the world has perfect 20-20 vision.

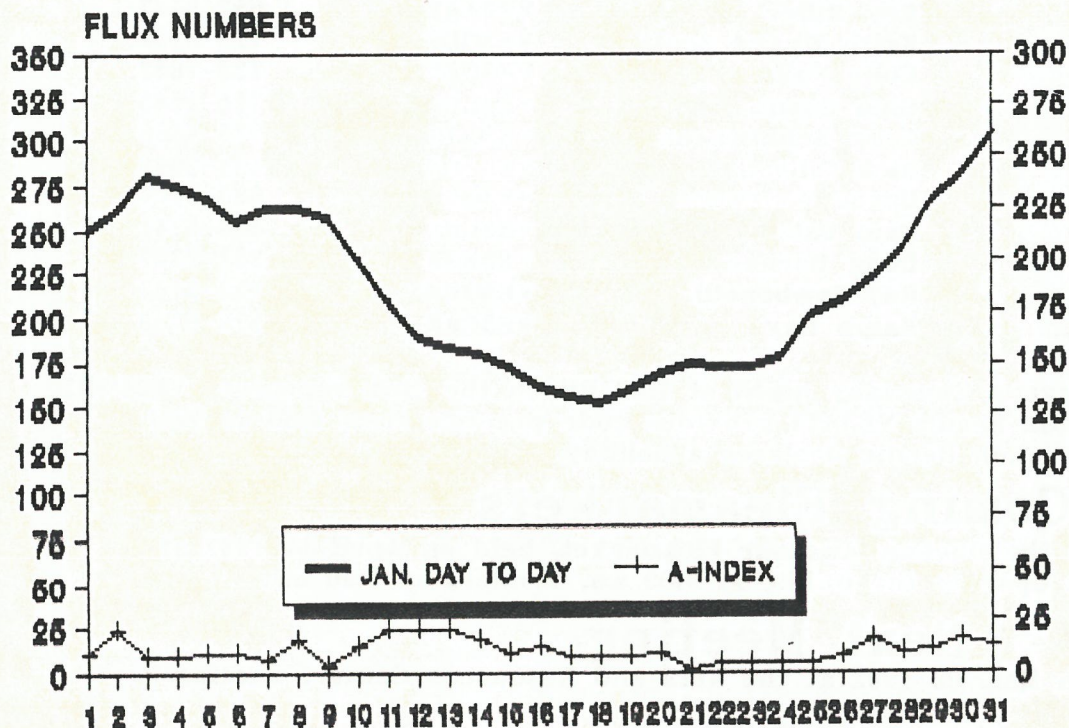
An Australian mother gave birth to twins so far apart that one was born in December 1952, and the other in February 1953.

This Months Trivia Question

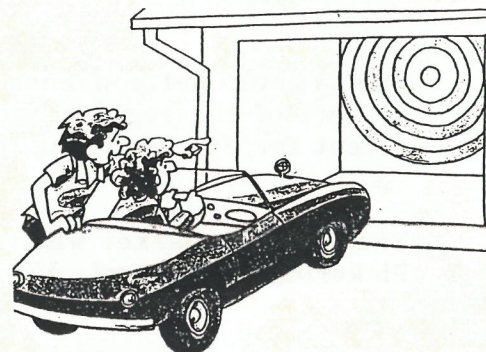
Do you know in what year and in what city the first commercial television pictures were transmitted?

Topic For The Next Meeting:

Next months speaker will be Duco Weytze VE3ZZW, Duco will be giving a talk on construction projects, why they don't work the first time, some tips on trouble shooting and some hints on circuit testing. It sure sounds like a meeting that you should not miss.



SOLAR FLUX JANUARY 1992



"Now think of the hood ornament as a gunsight, see ...?"

For Sale Or Trade Or Wanted

Wanted Old frequency meters,
The older the better
contact VE3DKW Mike 416-723-7674.

Wanted Pre 1945 QST's any shape
and part or full years ok
contact VE3DKW Mike 416-723-7674

For Sale 2c39's 3cx 100A7's and
7289 tubes \$15.00 each
contact VE3LNX Victor 416-983-5831

For Sale HyGain 402B 40 meter
yagi 2 element \$350.00
contact VE3LNX Victor 983-5831

For Sale 10 meter vertical
on ground and good shape \$35.00
contact VE3LNX Victor 983-5831

For Sale HM-102 HF wattmeter
meter and manual \$30.00
contact VE3LIZ Glen 725-1545

For Sale New "N" connectors
for RG8 & RG58 coax \$4.00 each
contact VE3LNX Victor 983-5831

For Sale Bird rf sampling slug
40dB att. @ 1kw, 75-150mhz \$65.00
contact VE3LNX Victor 983-5831

For Sale New 4CX250B tubes
have good supply @ \$35.00 each
contact VE3LNX Victor 416-983-5831

For Sale Microwave Modules x-verter
6 meters 10 watts 28mhz IF \$450.00
contact VE3LNX Victor 983-5831

For Sale Transverter 220/144
220mhz @ 10 watts \$150.00
contact VE3LNX Victor 983-5831

For Sale C64,1541 drive,1802 monitor
fast load ,dataset,software \$400.00
contact VE3PLM Peter 416-434-8222

For Sale 6146 tubes some new
some pulls, all tested \$25.00 pr.
contact VE3LNX Victor 983-5831

For Sale Palomar noise bridge
model RX-100 \$50.00 or BO.
contact VE3DKW Mike 723-7674

Wanted Bird wattmeter slug 100-H
2-30 mhz 100 watts
contact VE3LNX Victor 983-5831

For Sale 10 meter quad by Avanti
manual and coax switch box \$100.00
contact VE3PLM Peter 416-434-8222

For Sale 20' lengths of RG174 coax
left from doppler kits \$6.00 each
contact VE3LNX Victor 416-983-5831

For Sale IC-402 70 cm transceiver
manual/mic 3 watts ssb/cw \$225.00
contact VE3LNX Victor 983-5831

For Sale Armaco A-41 mic, high imp.
wired for FT-101-E will work on most
contact VE3LNX Victor 983-5831 \$35.00

For Sale 903 mhz amp single 3cx400
tube and cavity, spare tube \$400.00
contact VE3LNX Victor 416-983-5831

For Sale 56' delhi tower for sale
needs painting asking \$250.00
contact VE3LNX Victor 416-983-5831

For Sale MFJ Delux Electronic Keyer
model 1407B, asking \$80.00
contact VE3PLM Peter 416-434-8222

For Sale SWR/FS & ant matcher QRP
can be used as QRP ant tuner \$50.00
contact VE3PLM Peter 416-434-8222

For Sale Cellular phone by OKI
any one interested see Peter
contact VE3PLM Peter 416-434-8222

For Sale Opto Electronics 2210A
freq. counter 10hz/2300mhz \$175.00
contact VE3LNX Victor 983-5831

For Sale 4 70 cm yagies, H-frame & all
phasing lines, still up \$300.00
contact VE3LNX Victor 983-5831

For Sale PK64/HFM64 for packet radio
very little use asking \$150.00
contact VE3KSY Lew 416-430-7687

For Sale MFJ 959-B ant preamp rx only
asking \$35.00 or best offer
contact VE3DKW Mike 723-7674

Minutes of Feb. 10 Meeting

The meeting was called to order at 20:04 by President, Richard Button, VE3RJB. Minutes of previous meeting were published in the bulletin and posted on desk for all to see. Treasurer, Greg Schatzmann, VE3GJS reported the bank balance.

Anyone interested in going on the bus to Rochester should sign the book indicating their interest at the next meeting. At this time only five people have expressed interest.

Richard reported that nobody expressed further interest in purchasing club jackets and so cheques will be returned to those who gave him a cheque. Twelve people wanting a particular jacket was the number needed to make them available at the price quoted. He did not feel that the club should be subsidizing jackets. An electronic tape of the club logo will be purchased and be made available for anyone wanting to have the club logo printed on a sweat shirt or t-shirt. Availability of the electronic tape will be announced in the club bulletin.

The CTCSS has now been installed in the VE3OSH repeater. The tone frequency is 156.7. This has improved repeater reception affected by intermod greatly. If you haven't got this option in your rig, it is well worth the expense just ask those that have bought it and installed it.

Girl Guides on the Air will take place on Feb. 22-23, 1992. Please contact Margaret, VE3BNN for information on local girl guides if you are interested.

CLARA is celebrating its 25th anniversary on March 17, 1992 and will be active on all bands.

Earthwind, a dual balloon consisting of the upper half full of helium and the lower half full of air, that will act as ballast with the control cabin between the upper and lower balloon will be launched this week, weather permitting. Altitude will be 35,000 ft. Its goal will be to travel around the globe.

Fred, VE3TIG showed off the VE3OSC, Ontario Science Center card that he received from club member Bob, VE3LLZ who is the operator on Thursdays from 13:00-13:30 local time.

George, VE3INB reported that the Ottawa Valley people are holding their fleamarket at the same time and that they asked that we move ours to another date but his is impractical because of the commitments already made. George also reported that he still needed more tables. These may need to be rented. Motion was made by George, VE3INB to make monies available for the rental of table. Seconded by Ralph, VE3CRK. Motion carried.

Victor reported that he is stilling looking for helpers on the Friday evening of the fleamarket.

Vistors were introduced.

Greg Schatzmann, VE3GJS reported that Field Day will again take place at the Harmony Valley Conservation Area in Oshawa on the last weekend of June 27-28, 1992.

Coffee Break

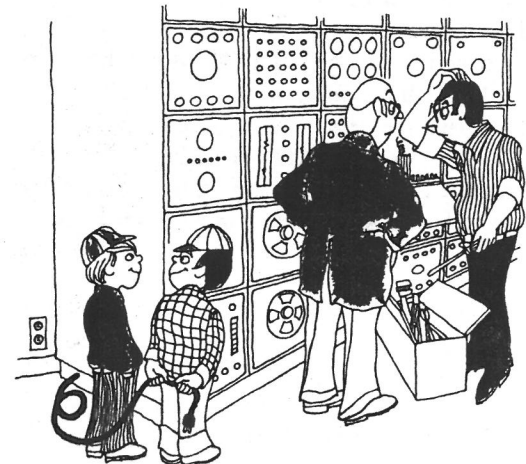
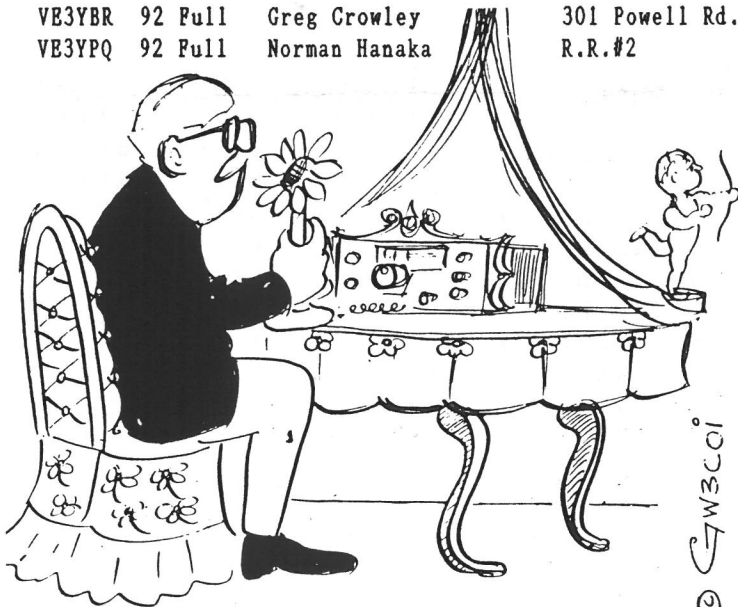
Constable Rick McNab was introduced by Margaret, VE3BNN. Constable McNab spoke to us about the emergency preparedness plan as it relates to the two nuclear plants, Pickering and Darlington.

North Shore Amateur Radio Club Inc. 1992 Membership List

KA2KNZ	SILENTKEY	Ernest Richards	8607 Chatham St.	Ft. Myers	FL	33907	813-939-2026
WA2ACN	LP Full	Don Amis	916 Gwinn St.	Medina	NY	14103	
KA6RLP	92 Assoc.	Dave Logan	1228 Euclid St.	Santa Monica	CA	90404	213-395-2154
N4LBC	92 Full	William Best	885 Clonsilla Apt. 803	Peterborough	ON	K9J 5Y2	705-876-1820
SWL	92 Full	William Abbott	R.R.# 2	Seagrave	ON	LOC 1G0	?
SWL	92 Full	Joe Abela	1675 Finch Ave. W.	Downsview	ON	M3J 2G8	416-658-0313
SWL	92 Full	Ken Bell	R.R.#3	Port Perry	ON	LOB 1N0	416-985-0131
SWL	92 Full	Peter Boorsma	9 Veterans Ave.	Bowmanville	ON	L1C 2C1	416-623-2084
SWL	92 Full	Bill Brant	513 Dundas St. E.	Whitby	ON	L1n 2J5	416-668-3561
SWL	92 Full	Grant Butcher	50 Orchard Park Dr.	Bowmanville	ON	L1C 4K8	416-623-6875
SWL	92 Family	Valdeen Button	342 Lorindale Dr.	Oshawa	ON	L1N 6X4	416-725-7150
SWL	92 Family	Carl Button	342 Lorindale Dr.	Oshawa	ON	L1H 6X4	416-725-7150
SWL	92 Full	George Day	615 Foxrun Ct.	Oshawa	ON	L1K 1N9	416-432-1368
SWL	92 Full	Phil Delaney	Box 11	Enniskillen	ON	LOB 1H0	416-263-2710
SWL	92 Family	Ryan Delaney	Box 11	Enniskillen	ON	LOB 1H0	416-263-2710
SWL	92 Full	Charles Forsey	91 Cabot St.	Oshawa	ON	L1J 5R8	416-000-0000
SWL	92 Family	Velora Gibson	643 Bloor St. E.	Oshawa	ON	L1H 3N4	416-434-2886
SWL	92 Full	Gordon Grainger	R.R.#3 Grp 19 Box 4	Bowmanville	ON	L1C 3K4	416-433-7005
SWL	92 Family	Les Hambly	40 Temperance St.	Hampton	ON	LOB 1J0	416-263-2373
SWL	92 Family	Jillian Hambly	40 Temperance St.	Hampton	ON	LOB 1J0	416-263-2373
SWL	92 Full	Sean Heaney	101 Kathleen St. Apt.	Whitby	ON	L1N 6P8	416-432-5371
SWL	92 Full	Doug Jones	12 Jason Dr.	Whitby	ON	L1R 1M1	416-668-8902
SWL	92 Full	Leslie Kanton	10 Division St.	Hampton	ON	LOB 1J0	416-263-2645
SWL	92 Full	Harold Larter	27 Stirling Ave.	Coutice	ON	L1B 1X7	416-432-1609
SWL	92 Full	Alin Lutz	584 Wilson Rd. N.	Oshawa	ON	L1G 6B9	416-576-7716
SWL	92 Family	Beverley MacGregor	213 Southlawn Ave.	Oshawa	ON	L1H 3Y5	416-579-6618
SWL	92 Full	R. Michael MacLean	767 Courville Ct.	Oshawa	ON	L1K 1P8	416-728-9700
SWL	92 Full	Harry Ollesch	1447 Bala Dr.	Oshawa	ON	L1J 3T6	416-576-1699
SWL	92 Full	Ed Peacock	166 Heather Ct.	Oshawa	ON	L1G 6M1	416-723-0222
SWL	92 Family	Vera Sherba	411 Rosssmount Ave.	Oshawa	ON	L1J 3K5	416-723-7674
SWL	92 Full	Laird Solomon	171 Thornton Rd. N.	Oshawa	ON	L1J 6T4	416-434-7339
SWL	92 Full	Joe Stratton	438 Ritson Rd. S.	Oshawa	ON	L1H 5J7	416-723-2478
SWL	92 Full	Chris Sworik	56 Melrose St.	Oshawa	ON	L1H 6Y1	416-579-5178
SWL	92 Full	William Todd	169 Harbour Rd. Box 26	Oshawa	ON	L1H 7K8	416-436-2091
SWL	92 Full	Allan Todgham	797 Grandview Dr.	Oshawa	ON	L1H 7W5	416-725-7201
SWL	92 Full	Jim Tower	2807 Pine Point Rd. R.R.#3	Port Perry	ON	L9L 1B4	416-985-2673
SWL	92 Full	John Vander Meer	278 Elizabeth St.	Oshawa	ON	L1J 5S4	416-434-6174
SWL	92 Full	Jim Wight	372 Gothic Dr.	Oshawa	ON	L1G 7S4	416-576-6402
SWL	92 Full	Ries Wytenburg	409 Pompano Ct.	Oshawa	ON	L1K 1M9	416-434-5550
VE1ASB	92 Assoc.	Larry McKnight	35 Grenadier Dr.	Dartmouth	NS	B2V 2L9	
VE3AAF	LP Full	Roy Miller	R.R.#4	Uxbridge	ON	LOC 1K0	416-852-5447
VE3ABQ	92 Full	Glen Flintoff	52 Darlington Blvd. S.	Oshawa	ON	L1K 1A2	416-725-6408
VE3AIY	92 Full	Ron Wragg	1210 Cloverdale St.	Oshawa	ON	L1H 4B6	416-723-4925
VE3AJY	92 Full	Dave Hefford	474 Grandview St. S.	Oshawa	ON	L1H 7S3	416-436-3026
VE3ALD	92 Full	Don DeMontmorency	32 Washington St.	Markham	ON	L3P 2R5	416-294-3136
VE3AMQ	92 Full	Gord MacDuff	1914 Concession Rd.6 RR#1	Hampton	ON	LOB 1J0	416-263-8386
VE3APW	92 Full	Doug Johns	454 Jane Ave.	Oshawa	ON	L1J 3L4	416-728-0402
VE3AQU	92 Full	Charles Vanstone	63 Liberty St. S.	Bowmanville	ON	L1C 2N8	416-623-3558
VE3ASH	92 Full	Rick Gibson	643 Bloor St. E.	Oshawa	ON	L1H 3N4	416-434-2886
VE3ATI	LP Full	Bernie Sandbrook	Box 526	Brooklin	ON	LOB 1C0	416-655-4156
VE3AZT	92 Full	Barle Fowler	38 Caledon Ct.	Oshawa	ON	L1G 7L6	416-434-5740
VE3BGL	92 Family	Irma Bengel	679 Aruba Cres.	Oshawa	ON	L1J 6B7	416-576-4839
VE3BHQ	92 Full	Farney LeGresley	41 Metcalf St. R.R.#8	Newcastle	ON	L1B 1L9	416-987-4511

VE3BNN	92 Full	Margaret Jeffery	210 Stevenson Rd. N.	Oshawa	ON	L1J 5M5	416-725-1238
VE3BQH	92 Full	John Crook	194 Celina St.	Oshawa	ON	L1H 4N6	416-725-1991
VE3BTR	92 Comp.	Tom Rogers	R R # 1	Stouffville	ON	L4A 7X2	416-640-5549
VE3CAK	92 Full	Fred Henderson	10 Jones Ave.	Newtonville	ON	LOA 1J0	416-786-2522
VE3CEU	92 Full	Colin Bell	74 Gladstone Ave.	Oshawa	ON	L1J 4E5	416-723-7842
VE3CMM	93 Full	Bill McPherson	1066 Finch Ave.	Pickering	ON	L1V 1J5	416-839-1437
VE3COV	92 Full	Les Donn	35 Mountain Ave. #707	Stoney Creek	ON	L8G 2V7	416-662-8783
VE3CRK	92 Full	Ralph Day	454 Holcan Ave.	Oshawa	ON	L1G 5X6	416-576-8738
VE3CXX	92 Full	Clarence Moore	471 Farewell St.	Oshawa	ON	L1H 6M4	416-433-8937
VE3DKW	92 Full	Mike Sherba	411 Rossmount Ave.	Oshawa	ON	L1J 3K5	416-723-7674
VE3DPH	92 Full	Chuck Hewis	468 Mary St. N.	Oshawa	ON	L1G 5E3	416-576-7513
VE3DYE	92 Full	Walter Wright	P.O. BOX 138	Blackstock	ON	LOB 1B0	416-986-6818
VE3FGL	92 Full	John Fluister	R.R.#1	Brooklin	ON	LOB 1C0	416-655-4269
VE3FIV	92 Full	Mike Skinner	R.R. # 1	Kendal	ON	LOA 1E0	416-983-9584
VE3FIZ	92 Full	Joe Straberger	514 Juliana Dr.	Oshawa	ON	L1G 2E8	416-576-6562
VE3FJC	92 Full	Walter Beach	R.R.#1 Grp.4 Box 9	Hampton	ON	LOB 1J0	416-263-2338
VE3FMI	92 Full	Tom Murphy	14 Inglenook Ct.	Whitby	ON	L1R 1A8	416-666-4204
VE3FOF	92 Assoc.	Bill Baker	R.R.#3	Kirkfeild	ON	KOM 2B0	705-374-4557
VE3PPP	92 Assoc.	Ken Aston	General Delivery	L'Amable	ON	KOL 2L0	613-332-4728
VE3PRM	92 Assoc.	Edwin Taylor	Box 1031	Port Perry	ON	L9L 1A8	416-985-3790
VE3PVH	92 Full	Josef Torok	5465 Gerrard Rd. N.	Whitby	ON	L1N 5R4	416-655-3009
VE3GDF	92 Full	Keith Wyard-Scott	298 Dover Ct.	Oshawa	ON	L1G 6G6	416-723-5758
VE3GEN	92 Full	Don Dewey	105 Reynolds St.	Whitby	ON	L1N 3W5	416-668-0577
VE3GFA	92 Full	George Adams	348 Highland Ave.	Oshawa	ON	L1H 6B3	416-725-1659
VE3GFP	92 Full	Gord Perry	R.R.#1	Goodwood	ON	LOC 1A0	416-
VE3GJS	92 Full	Greg Schatzmann	380 Gibb St. #219	Oshawa	ON	L1J 1Z3	416-576-4655
VE3GUD	92 Full	Dave Dell	201 Palace St.	Whitby	ON	L1N 5G1	416-668-3083
VE3HAB	92 Full	Albrec Meinshausen	R.R. 1	Blackstock	ON	LOB 1B0	416-986-4152
VE3HMG	92 Full	Eric Atkins	R.R. # 1	Kendal	ON	LOA 1E0	416-983-9261
VE3IHK	92 Full	Vic Naderer	106 Hazelwood Dr.	Whitby	ON	L1N 3L5	416-725-1961
VE3IHS	92 Full	Joe White	67 Roser Cres.	Bowmanville	ON	L1C 3P1	416-623-4069
VE3INB	92 Full	George Burns	1326 Lakefield Ct.	Oshawa	ON	L1J 3Y6	416-579-0007
VE3IND	92 Full	Evan Heriott	8 Lindal Ave.	Scarborough	ON	M1L 1W8	416-757-4284
VE3IYL	92 Family	Irma Linton	R.R.#2	Little Britain	ON	KON 2C0	705-786-2618
VE3JWD	92 Full	Fred Wright	1399 Everglades Dr.	Oshawa	ON	L1K 1J7	416-723-6977
VE3KQB	92 Assoc.	Reno Torresan	207 Warden Wilson Ave.	Whitby	ON	L1N 5L2	416-668-8760
VE3KSP	92 Full	Neil McAlister	10725 Simcoe St. Regional 2	Port Perry	ON	L9L 1B3	416-985-3634
VE3KSY	92 Full	Lew Wassenaar	100 Glenhill Dr. S. #500	Whitby	ON	L1N 8R4	416-430-7687
VE3LCZ	92 Full	Andy Kalnins	107 Frederick St.	Whitby	ON	L1N 6K1	416-668-0805
VE3LET	92 Full	Cy Hamilton	R.R.#1	Bowmanville	ON	L1C 3K2	416-263-8157
VE3LHZ	92 Full	Paul Dale	828 Donegal Ave.	Oshawa	ON	L1J 6K2	416-434-6741
VE3LIZ	92 Full	Glen Goslin	453 Juliana Dr.	Oshawa	ON	L1G 2E9	416-725-1545
VE3LLZ	92 Full	Bob Leet	616 Balmoral Dr.	Oshawa	ON	L1J 3A7	
VE3LNF	92 Full	Garry Cubitt	479 Rembrandt Ct.	Oshawa	ON	L1G 6B4	416-723-5114
VE3LNX	92 Full	Vic Doty	5222 Ochonswki Rd.	Orono	ON	LOB 1N0	416-983-5831
VE3LOM	92 Full	Greg Martin	204 247 Simcoe St. N.	Oshawa	ON	L1G 4T3	416-725-4020
VE3MBO	92 Assoc.	Wilf Hambly	40 Temperance St.	Hampton	ON	LOB 1J0	416-263-2373
VE3MCO	92 Full	Grace Reader	821 Westdale St.	Oshawa	ON	L1J 5C1	416-723-4819
VE3MDS	92 Full	Morris Davey	80 Victoria Dr. R.R.#2	Cameron	ON	KOM 1G0	705-359-1600
VE3MID	92 Full	Joe Silva	220 Darcy Ave.	Oshawa	ON	L1G 3B8	416-728-6596
VE3MJS	92 Full	Martin Schaal	45 Townline Rd. S.	Courtice	ON	L1E 2J1	416-728-8218
VE3MUA	92 Full	Keith Adams	518 Oakwood Ave.	Oshawa	ON	L1G 2R2	416-725-9585
VE3MVB	92 Full	Keith Maitland	146 Marcia Ave.	Oshawa	ON	L1G 3G8	416-728-8676
VE3NBV	92 Full	Stewart Prouty	3351 Tooley Rd.	Courtice	ON	L1E 2K7	416-725-5295
VE3NLR	92 Full	Ruby Reeson	527 King St. E.	Oshawa	ON	L1H 1G2	416-576-6267
VE3NTI	92 Full	Bill Fortune	20 Damsel Circle	Sutton West	ON	LOB 1R0	705-722-6241
VE3NTP	92 Full	Jim Dilworth	1869 Regional Rd. 3	Enniskillen	ON	LOB 1H0	416-263-2285
VE3OBE	92 Full	Peter Healey	50 Pinewood Cr. Box 314	Pontypool	ON	LOA 1K0	705-277-1145

VB30HK	92	Full	Gord Currie	R.R.#2	Orono	ON	LOB 1M0	416-983-5797
VB30N	92	Full	Norm Lawton	21 Woodhouse Cres.	Ajax	ON	L1S 2N5	416-683-6794
VB30RP	92	Assoc.	Ron Lawrence	5 Wilson Ave.	Lindsay	ON	K9V 5S1	705-324-2711
VB30UB	92	Full	Ray Zambonelli	33 Grassmere Ave.	Oshawa	ON	L1H 3H3	416-723-2467
VB3PIN	92	Full	Ken Warnica	13 Baker Rd.	Ajax	ON	L1S 2T7	416- -
VB3PLM	92	Full	Peter Melnik	36 Jones Ave.	Oshawa	ON	L1G 2Z7	416-434-8222
VB3PXY	92	Full	Elmer Linton	R.R.#2	Little Britain	ON	KON 2C0	705-786-2618
VB3PZL	92	Full	Gordon Lund	1615 Highway #2 Box Comp	Courtice A4	ON	L1E 2R7	416-432-8078
VB3QG	LF	Full	Harry Westwood	50 Sherwood Rd. E.	Ajax	ON	L1T 2Y9	416-683-5104
VB3REY	92	Full	Marinus DeVos	5 Mullholland Ct.	Bowmanville	ON	L1E 1T9	416-432-1091
VB3RFD	92	Full	Ed Nichols	24 Carruthers Dr.	Bowmanville	ON	L1C 3S2	416-623-4658
VB3RPF	92	Full	Brian MacGregor	213 Southlawn Ave.	Oshawa	ON	L1H 3Y5	416-579-6618
VB3RGT	92	FULL	Paul Hartshorn	995 Hawthorne Ct	Oshawa	ON	L1H 2W4	416-436-0886
VB3RIJ	92	Full	Lloyd Haynes	c/o Caesarea Post Office	Caesarea	ON	LOB 1E0	416-986-4402
VB3RJB	92	Full	Richard Button	342 Lorindale Dr.	Oshawa	ON	L1H 6X4	416-725-7150
VB3RJX	92	Full	Jose Reixach	1279 Astra Ave.	Oshawa	ON	L1K 1H3	416-728-1043
VB3RP	92	Full	Rae Petley	934 Vistula Dr.	Pickering	ON	L1W 2L5	416-839-3051
VB3RWN	92	Full	Randy Neals	3 Loraine Dr.	Bethany	ON	LOA 1A0	705-277-2710
VB3SGN	92	Assoc.	Bob Schwartz	2276 Chapman Ct.	Pickering	ON	L1X 2E8	416-428-6522
VB3SII	92	Full	John Nicholls	17 Clark Rd.	Ajax	ON	L1S 3B8	416-683-2495
VB3SJ	92	Full	Jack Elston	R.R.#4	Bowmanville	ON	L1C 3K5	416-623-5482
VB3SKU	92	Full	Joyce N. Watson	R.R.#3	Uxbridge	ON	L0C 1K0	416-985-9065
VB3SVD	92	Full	Leonard Nixon	24 Jeffrey St.PO.Box 1388	Prince Albert	ON	L9L 1C2	416-985-7120
VB3SYF	92	Full	Tom Grant	R.R.#2	Millbrook	ON	LOA 1G0	705-932-2941
VB3SZW	92	Full	Dave McEwen	5 Baker Rd.	Ajax	ON	L1S 2T7	416- -
VB3TFO	92	Full	Dean Taylor	635 Taylor Ave.	Oshawa	ON	L1H 2B8	416-579-3759
VB3THI	92	Full	Johann Torok	5515 Gerrard Rd.	Whitby	ON	L1N 5R4	416-655-4480
VB3TIG	92	Full	Fred Bengel	679 Aruba Cres.	Oshawa	ON	L1J 6B7	416-576-4839
VB3TLZ	92	Full	Don Smith	13 - 601 Galahad Dr.	Oshawa	ON	L1K 1L9	416-433-2086
VB3TMD	92	Full	Bernard Ferris	906 Bayview Ave.	Whitby	ON	L1N 1B1	416-668-6177
VB3TOG	92	Full	Dave Lintaman	Box 31111 1300 King St.	Oshawa	ON	L1H 8N9	
VB3VDH	92	Family	Nick VanDenHoek	210 Stevenson Rd. N.	Oshawa	ON	L1J 5M5	416-725-1238
VB3WFS	92	Assoc.	W. Seeney	224 Cornwallis Ct.	Oshawa	ON	L1H 8E8	416-725-0829
VB3WHD	92	Full	Dave Windsor	1051 Basswood Ct.	Oshawa	ON	L1H 2G9	416-434-8581
VB3WJR	92	Full	Doug Barnes	R.R.#4	Sunderland	ON	L0C 1H0	705-357-2342
VB3WWZ	92	Full	Peter W. Johns	819 Gentry Cres.	Oshawa	ON	L1K 1L6	416-723-9049
VB3YBR	92	Full	Greg Crowley	301 Powell Rd.	Whitby	ON	L1N 2H5	416-725-0727
VB3YPQ	92	Full	Norman Hanaka	R.R.#2	Bowmanville	ON	L1C 3K3	416-436-2410



"...using the XYL's rig here..."

The 156.7 HZ Tone

Have you heard a low level hum on OSH lately? No, it isn't the power supply. A 156.7 HZ sub audible tone is now modulating the transmitter carrier. There are several bad intermod areas within the OSH coverage area. If you live in one of these areas, it is most frustrating to say the least. You might hear strange things coming from your speaker. They are caused by two or more RF signals that roam about the band. The best way to solve this problem is to use CTCSS. If your rig (or future rig) has CTCSS decoding capability, program it for 156.7 HZ while on OSH and no more intermod. There are several trade names for sub audible tones, CTCSS, PL and they range in frequency from 67 to 250.3 HZ.

'73 Eric VE3HMG

Where Are The Doppler Units

It has been some time since I have mentioned Doppler Shift Units so I guess it is time to bring up the subject again. It will not be too long before we start having more transmitter hunts so lets get a move on and get some more units going this year and join in the action. There is usually one or more transmitter hunts a week so there is lots of oppertunity to get out and have some fun. I think that the big challenge this year will be to get Mike VE3DKW to bring his unit out of the basement and give it a try, that system does really work Mike, Ron VE3AIY has been using his for 1½ years and is very happy with it, so lets get a move on Mike. (Editor)

Request For Flea Market Help

Any one who can help with set up on Fri. night April 10/92 from 6:00 pm - 8:00 pm will be greatly appreciated, the more help we can get the shorter time it will take. (Editor)

Bulletin Publishing

This is the 7th bulletin that I have put together since taking on the Bulletin Editors position in September 1991. I have been trying to make a few improvements as you have been seeing, I hope the people who had a hard time reading the bulletin in the beginning will have a easier time of it now with the addition of a new printer a couple of months ago and a new layout of the front cover as of last month. (by the way Margaret I spelled your name correctly this month) I would like also to mention that ALL the photo copying for the bulletin has been done by Glen VE3LIZ on his copier as well as helping to fold and stuff the 150 + envelopes. This has made a very substantial saving to the cost of the bulletin so a big thanks to Glen for the use of his equipment and helping me produce the bulletin. (Editor)