QRM

NOVEMBER 1996

Quinte Amateur Radio Club Inc. Newsletter

PO Box 23039 BELLEVILLE Ontario K8P 5J3

NOTICE OF MEETING:

DATE / TIME:	Wednesday, November 20, 1996. @ 7:30 PM
LOCATION:	Loyalist College (Pioneer Building) Room P-1
PROGRAM:	Peter DeWolf VE3YYY who is the VHF Frequency Co-ordinator for the St Lawrence Valley Repeater Council, will talk about the function and role of repeater councils. Peter lives near Ottawa and is coming down especially for our meeting

Wo

Club Repeater:	**VE3QAR**	**146.985 MHz**
Monthly Meetings: 3rd Wednesday 7:30 PM Loyalist College (Pioneer Bldg) Room P-1		
Hams 'n Eggs: SATURDAYS 8:00 AM Northway Restaurant 205 N. Front St		

QARC EXECUTIVE

PRESIDENT: Dave Ward   VE3BIP   966-9982
(e-mail: dward@limestone.kosone.com)

VICE-PRESIDENT: Bob Skelsey   VE3BFS   966-9899

SECRETARY: Dave Ackerman   VE3UGT   962-3991
(e-mail: ve3ugt@blvl.igs.net)

TREASURER: Don Dalrymple   VE3DQN   968-9242
(e-mail: ve3dqn@blvl.igs.net - Packet BBS: VE3HQR)

PAST PRESIDENT: Tim Pekkonen   VE3UO   969-8012
(e-mail: ve3uo@blvl.igs.net)

RADIO AMATEURS OF CANADA NEW ADDRESS:

Radio Amateurs of Canada Administrative Office
720 Belfast Road, Suite 217
Ottawa, Ontario K1G 0Z5

phone: (613) 244-4367   **fax:** (613) 244-4369.

e-mail: rachq@rac.ca

When renewing RAC membership don't forget to quote QARC club account number **QUI 100**

QARC is on the Internet. Check out our Home page at
http://www.blvl.igs.net/~qarc/

The QARC **HAM TRADE CENTER** is also accessible through our home page. If you would like
to list an item contact Tim Pekkonen VE3UO

Quinte QRM Newsletter edited by: Tim Pekkonen VE3UO
11 O'Hare St, Belleville, ON   K8P 4R9   (613) 969-8012
e-mail: **ve3uo@blvl.igs.net**

A Familiar New Repeater Call in Kingston

The following article appeared in the November edition of the *Kingston Amateur News:*

"Users of the 146.34/94 Kingston repeater will have noticed that identifier sends **VE3KBR** in code instead of VE3KER KINGSTON. On 22 October 1996 the repeater licensee Tom Lloyd VE3UDO went to the IC office in Belleville and arranged for the callsign VE3KBR to be transferred from the now discontinued Roblin repeater to Kingston.
The VE3KBR callsign was held by Doug Hinton VE3BGY of Belleville who kindly relinquished it. The 443.3 MHz repeater and packet systems at the John Orr tower will remain as **VE3KER**. The KARC 2-metre repeater is now VE3KBR and it will be located at McAdoo's Lane shortly.
The former 146.385/985 repeater frequencies of VE3KBR are now in use in Belleville as **VE3QAR**."

Jamboree on The Air

On Saturday October 19 QARC participated in this event with the 2nd Sidney Girl Guide Company at the Moira River Conservation Authority HQ boardroom. The Club's R7 Vertical and ICOM 735 HF radio were set up in order to make some contacts on HF. But "Murphy" was also participating as well as band conditions were very poor. Although a few contacts were made, they were not strong enough to let the guides converse on the air. But there were some contacts made using 2 meter HT's and also a morse code set up in order to let the guides practise their CW skills.
There was a write-up in the Intelligencer regarding JOTA and the QARC 's participation in this event. Club members assisting in this event were: Dave Ward **VE3BIP**, Lenore Begley **VE3MKL**, JoAnn Woods **VE3MNL**, and Tim Pekkonen **VE3UO**.

Christmas Dinner Meeting

A reminder that there will not be a regular meeting in December at Loyalist but we will have a Christmas dinner at Kelsey's Restaurant on North Front Street in Belleville, the Date and time to be announced at the November meeting.

QARC HAMFEST - Saturday October 19

Another Hamfest has come and gone, and although it was not raining for MOST of the event, it was a soggy Saturday. Although the club made a profit from this event attendance was down from last year. We are now at the point where we must rethink our strategy on this event. A lot of work went into organising this event and it was disappointing to see the final result.

A lot of hard questions must be asked, i.e.

1) Should we have our own hamfest? Are there too many locally already?
2) If yes, should we consider a different date? A different location? A new organising committee?
3) What needs to be done better, or different, as far as organising this event?

Please contact any member of the Executive with your comments or ideas regarding a QARC hamfest. Although we don't want to beat this topic to death, we will have a short discussion about this at the November 20 meeting.

Halloween Safe Streets

Eighteen members of QARC and ARES helped out in this worthwhile event this year. This was the second year of Amateur participation and because we got involved earlier this year the Club got some good PR as a result. There was a media press conference held on Tuesday October 29 and the Club was represented by our ARES co-ordinator, **Ron Chapman VE3IVC**. The club was mentioned by name by local media as helping out in the event. The actual night was relatively quiet, the Base Station using the club callsign **VE3RL** was set up at the South West Community Policing office at the Loyalist Plaza in Belleville, and we made use of our re-located repeater **VE3QAR**. The only event relayed to Police via ham radio was the vandalising of a bus shelter.
Thanks go out to the following participants:
VA3BS Brian Smith, **VE3AZV** Don Demeza, **VE3CSU** Ralph Ackerman, **VE3CJG** Glen Campbell, **VE3DQN** Don Dalrymple and XYL Maureen, **VE3GTD** Bob Brain, **VE3HON** Sandra Campbell, **VE3HNQ** Harold Quinn, **VE3HZZ** Scott Harns, **VE3IVC** Ron Chapman, **VE3KWT** Bill Workman and XYL, **VE3MNL** JoAnn Woods, **VE3NFP** Bill Campbell, **VE3RRM** Bob Mitchell, **VE3UCH** Jim Chalk, **VE3UGT** Dave Ackerman, **VE3UO** Tim Pekkonen, and **VE3YAD** John Day.

Kingston Simulated Emergency Exercise

On Sunday November 3, an exercise was held in Kingston with the following scenario: 30 cm of snow has fallen and blizzard conditions exist with a further 30 cm of snow expected. A terrorist group has toppled some Hydro towers and as a result, Hydro power is out. At 9:30 AM the local ARES Net swung into action with several stations actually running on backup power supplies. For the next 2 hours several messages were passed back and forth between several locations. This was a good simulation of the real thing with a couple of planned and unplanned situations cropping up: An "over eager" W4 station breaking in on the main frequency offering to take traffic and inter-mod interference. VE3IVC and VE3UO travelled to Kingston to observe the exercise, as well as representatives from Brockville, Perth and Lanark county. The entire exercise was planned by **Bob Boyd VE3SV** and he did an excellent job of it.

There will be a de-briefing meeting at the next Kingston ARES meeting and hopefully it will be attended by VE3IVC and VE3UO with a report of this meeting to be made at the next QARC meeting .

JNOS and PACKET: TIME for CHANGE:

VE3APF

All packet users are presently going direct to each other or via someone else (digipeating) on VHF (145.610). The (Trenton:VE3YTR) local area node and the wide area node (Blvl:VE3BEL) both operate on the same frequency. As you might imagine, peak periods of activity and the wide coverage area of each LAN can lead to HTS (Hidden Transmitter Syndrome). HTS is caused when a user in Madoc and a user in Picton or Napanee, or wherever, are competing for channel occupancy at one of the nodes. Since neither user can hear the other on direct, and since the frequency is simplex, the node station only accepts the strongest signal of the two, or none if both user packets collide.

The solutions are usually to restrict coverage to local areas only, thus the acronym LAN (Local Area Network). Each LAN should be on a different frequency. They would, however, need to be linked to the Network or Backbone system on a HTS free (dedicated) frequency. This becomes costly to each, meaning more radios, tnc's and antennas. With present activity what it is, there has been little difficulty with HTS, but only because the users have been co-operating by setting their persistance and other paramaters to meaningful values.

Another way to solve the HTS problem is to use a packet repeater. Thus all who can hear the node, also hear the other users' packets. While there is still a possibility for packet collisions arriving at the repeater, the HTS problem is virtually eliminated. Perth area users have a UHF 9600 baud packet repeater with a wide area footprint which is becoming increasingly popular.   **(cont'd next page)**

JNOS and PACKET: TIME for CHANGE:

(cont'd)

I am proposing to use the 444.450 (+) 5 MHZ.(my old voice repeater) on packet and to have it tied to the ve3bel Node stack for the same purpose. Voice activity was next to none, so why not make use of the UHF repeater (modified for data! Access will be 1200 baud to start. As a matter of fact, The UHF data repeater went into use Oct 7th, and its first user (besides myself) was ve3bel-10 a new tnc and radio at the node stack.

Note: ve3bel-10 was the eeprom I had on hand, and I hope to eventually replace it with a new 27C512 eeprom (donations accepted) with type X1-J programming. The X1-j firmware will allow TCP/IP routing and Telneting functions.

I have a 10 watt repeater on now at the house testing various TX delay settings and through-put on packet. Now, since there is a UHF packet repeater (VE3MHZ) and UHF port at the VE3BEL node, Trenton could choose say 145.010 for VHF and with a simple two-port diode matrix and 2nd TNC and UHF radio, and quietly backbone their way to the Network.

NETROM and JNOS

 I have a pet peeve about Jnos and Net/Rom. My theory is if you only have one port you are NOT a node! Sorry if this offends some users. Jnos has a lot of "smarts" and one of them is its' "NETROM" capabilities. The problem occurs when a user with only one port (usually on 145.610) invokes netrom and begins appearing as a "NETROM NODE" on the local LAN. The Network sends this new NODE in its' broadcasts to other NODES and pretty soon, IPNERD:VE3???, the (meaningless) node which goes nowhere, appears on every node list along the network. The unfortunate part is when a user who thinks this new station is part of the network, connects and finds out this is someones personal JNOS station. If you use JNOS please try to avoid using Netrom. If you use NETROM, use the HASH (#) symbol ahead of your Netrom and AX25 aliases (e.g. #IPAPF) so you will only get rebroadcasted as a hidden node.

 Send me your packet questions. If I don't have the answers, I'll try to find out so we can all learn.

Until next time, Happy Telneting!   de Gerry ve3apf

Up-dated Membership List

Enclosed in this month's newsletter is an up-dated listing of QARC members. Please report any errors to Tim Pekkonen VE3UO. It was originally intended to be in last month's newsletter but didn't quite make it in. Please keep this listing as a handy reference.

50th Anniversary Up-Date

Plans are underway to finalize Club Activities for our 50th Anniversary in 1997. Although all the details are not final, this is what we will try to accomplish in 1997:

1) Publication of a Club history: **Harold Carruthers VE3NW** has compiled a history of primarily the first 25 years of the QARC, but we are looking for more info regarding the last 25 years. If you have any articles or photos of Club Activities please send them to **Sandra Campbell VE3HON** who has offered to help out to compile these articles. The Club hopes to publish the history of the club in some sort of book format available for purchase.

-Attention Past Executive members of QARC: In order to make this project as complete as possible, we are asking you to write a short article on the year(s) you were a member of the QARC Executive chronicling any accomplishments of that year. Please send the articles to **Tim Pekkonen VE3UO**.

2) Re-union or Home Coming week-end: On Friday and Saturday April 25 and April 26 1997 We will have a memorabilia weekend where we will rent a hall and ask people to bring their articles and souvenirs of years gone by to display and reminisce about the "good old days". Do you remember Heathkit "lunch boxes"?? How about the Red covers the QRM Newsletter had in the '70's ? When was the last time you actually saw one ?? This is the type of thing we are trying to arrange - An opportunity to turn back time and for the newer hams, a look at the days before 2 meter FM and Handie Talkies.

Also as part of this weekend we will be having a joint 50th Anniversary Dinner with the Kingston Amateur Radio Club on Saturday evening April 26, 1997 to be held in Napanee at the Lion's Hall. This event has already been booked and confirmed. More details as to the time and cost to be announced.

3) An opportunity to earn a special 50th Anniversary Certificate for working members of QARC in 1997. Details to be worked out.

4) A special callsign to be used for club activities in 1997.

5) A special prefix for QARC members to use in 1997 - We have asked Industry Canada to allow club members to use a special prefix to replace the "VE " or "VA" in your callsign. Details to be announced.

Our 50th Anniversary Chairman is **Mike Papper VE3VMP** - Any questions or comments regarding our plans can be directed to him.

FOX HUNT - FOX HUNT

Another Fox hunt was held on Sunday Oct 27 and they seem to be getting stranger and stranger ! In order to protect the guilty, no names will be mentioned but one participant (VE3IVC) drove right by foxes **Glen VE3CJG** and **Sandra VE3HON Campbell** more than once ! This particular Hunt was won by Terry VE3GTS and Chris VE3YVS. Other participants this day were: Dave Ward VE3BIP and SWL Art Henry, Brian Credico VE3GRA and XYL Marg, and Tim Pekkonen VE3UO.

There has been some interest shown in building an **attenuator for fox hunting**. We are considering holding an attenuator "building" day. If you are interested contact **Dave Ward VE3BIP**.

HAM TRADE CENTER

NOV 3, 1996

1. 20 meg Seagate MFM ST125 5-1/4" . Asking $15
2. 20 meg Miniscribe MFM #8425 3-1/2". Asking $ 15
3. 40 meg Seagate MFM ST251 5-1/4". Asking $ 20
4. 8088 XT Motherboard w/case (no P/Supply), 20 meg H.D. w/controller, 360K floppy w/controller, 640K RAM. Asking $ 40
5. 80-286 AT Motherboard w/case + 640K Ram, P/supply , 720K floppy, 360K floppy, 32 meg H.D, w/controller and serial card, CGA monitor card. Asking $120
6. 80-386-16 MHz w/1-meg D-Ram, 40 Meg H.D.w/controller, 1.2 Meg Floppy,
    P/supply, case, and MDA display card. Asking $140
7. 80-286 Motherboard with CPU and 2 Meg plug-in Ram SIPS. Asking $ 40
8. Mono (Amber) Monitor model AVT. Asking $ 20
9. Mono (Amber) Monitor 12volt + P/supply for 110V operation (P/S
    homemade). Asking $ 25
10. Star NX1000 Printer (needs new ribbon) Asking $ 25
Contact: Gerry VE3APF at 613-968-8211
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1. Peak modulation indicator / power meter. Asking $75
2. Hustler HF mobile antenna with coils for 40 and 15 Mtrs; 40 m coil is high power.
3. RCA XL 100 colour TV - 20 inch - with converter in good operating condition. Asking $125
Contact: Willis VA3WM at 613-354-4492

Atari 1040 STe Computer - with mouse, joystick, and cables to use with monitor or TV.
Instruction Booklet and some software included.
Contact: Tim Pekkonen VE3UO at 613-969-8012

KW2000B HF Transceiver with manual & spare tubes. Needs a little TLC. Asking $100
Contact: VE3VAO Minne at 613-478-5117

Two new 811 tubes in boxes. Asking $60
Contact: Don Dalrymple VE3DQN
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1. Daiwa CN-101L VHF SWR / Power meter, Brand new. Asking $80
2. 80286 motherboard with 640k memory & Math Co-Processor. Asking $100
3. Microsoft Quick C v2.5 . Asking $20
4. Borland Turbo C++ Visual Edition for Windows V3.1 includes Protogen Code Generator V2.0.
Asking $80
5. 8031 Microcontroller card $50
Contact: VA3EAM Eric at 613-477-1473

Delhi 48' Self Supporting Tower (Medium Duty) Asking $350 O.B.O.
Contact: VE3MEE Shawn at 613-962-0493

Emotator Rotor - Model 102LB - will handle a small 3 element HF beam. Asking $100 O.B.O.
Contact: Clare VA3CWJ at 613-962-3753
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* 250 Megabyte Tape backup with 8 Bit SCSI Card and tape control software
with two 150 Megabyte blank tapes. Asking $50
Contact: Tony VE3TDT at 392-5634 or via packet: VE3TDT@ve3hqr

CALL	FIRST	LAST	STREET	CITY	POSTAL	HOME PHONE	WORK PHONE	e-mail	packet
VA3BS	Brian	Smith	13 Hutton Drive	Belleville	K8P 1E9	966-1234		bgjsmith@connect.reach.net	
VA3CWJ	Clare	Jaynes	107 Main St	Foxboro	K0K 2B0	962-3753	n/a		
VA3DKK	Dennis	Kritzer	33 Strathcona Dr	Belleville	K8N 4J1	962-9452	962-8668	dennkrit@village.ca	
VA3GBH	Bev	Holdaway	RR 5	Belleville	K8N 4Z5	969-1299			
VA3GF	George	Foster	GB 627,RR 2	Marmora	K0K 2M0	472-5948	n/a		
VA3HJM	Harry	McMurter	RR 4	Brighton	K0K 1H0	475-4017			
VA3IG	Ivan	Graham	312 -2963 Nelson Pl	Abbotsford	V2S 7L6	604-852-4602	n/a		
VA3JAD	Joe	Davidson	RR 2	Marmora	K0K 2M0	472-3449			
VA3JLS	Joan	Smith	13 Hutton Drive	Belleville	K8P 1E9	966-1234		bgjsmith@connect.reach.net	
VA3JTR	Jeff	Robbins	RR 2	Belleville	K8N 4Z2			jrobbins@blvl.igs.net	
VA3MML	Leo	Edwards	Box 45, 333 Thomas	Deseronto	K0K 1X0	396-2811			
VA3ORC	Owen	Clark	RR 1	Carrying Place	K0K 1L0	969-1846			
VA3PGB	Peter	Blakely	General Delivery	Madoc	K0K 2K0	473-1171			VE3HQR
VA3SBR	Scott	Reinhart	128 Adelphi St	Napanee	K7R 1T4	354-2747		scotrein@village.ca	
VA3VHH	Hermann	Harms	145 Foster Av	Belleville	K8N 3P8	966-7791			
VA3WLH	Leon	Hill	1396 Kensington Cr	Belleville	K8P 4T7	967-1625	n/a		
VA3WM	Willis	McMullin	119 Dundas StE,#3	Napanee	K7R 1J2	354-4492		va3wm@king.igs.net	
VE3AHC	Jim	Thompson	Box 471	Tweed	K0K 3J0	478-2029			
VE3APF	Gerry	Wilkins	RR 1	Corbyville	K0K 1V0	968-8211	n/a	ve3apf@k2cc.sos.clarkson.edu	
VE3ARW	Mae	Quinn	40 McNichol Ave	Trenton	K8V 2R6		n/a		
VE3AWS	Tony	Allan	RR 1	Havelock	K0K 1Z0	705-778-3700			
VE3AZV	Don	Demeza	12 Kellar Drive	Belleville	K8P 4B4	962-2086	n/a		
VE3BAM	Hayward	Moores	21 Edgeview Dr	Trenton	K8V 3G2	392-1914	n/a		
VE3BEL	(packet)	Q.A.R.C.	Box 23039	Belleville	K8P 5J3			www.blvl.igs.net/~qarc	
VE3BFS	Bob	Skelsey	RR 1	Corbyville	K0K 1V0	966-9899			
VE3BHW	Jack	Erwin	41 Smith Cres	Belleville	K8N 4K3	968-5800	n/a		
VE3BIP	David	Ward	24 Conger Place	Belleville	K8P 4N8	966-9982	967-5267	dward@limestone.kosone.com	
VE3BIV	Robert	Rollins	RR 1	Plainfield	K0K 2V0	477-2831			
VE3BPL	Don	Davenport	RR 1	Carrying Place	K0K 1L0	962-3167	n/a		
VE3BZY	Richard	Hobson	36 Rollins St	Madoc	K0K 2K0	473-2665			
VE3CJG	Glen	Campbell	31 Progress Av	Belleville	K8P 4Z3	962-3960	n/a	ve3cjg@blvl.igs.net	VE3HQR
VE3CSF	Penny	Shortt	RR 2	Colborne	K0K 1S0	905-355-2999			
VE3CYW	Morley	Wiltse	Box 352	Wellington	K0K 3L0	399-2043	n/a		
VE3DCX	Jim	Eadie	RR 1	Thomasburg	K0K 3H0	478-2296	968-5547		
VE3DQN	Don	Dalrymple	31 Cedar St	Belleville	K8P 3L9	968-9242	n/a	ve3dqn@blvl.igs.net	VE3HQR

CALL	FIRST	LAST	STREET	CITY	POSTAL	HOME PHONE	WORK PHONE	e-mail	packet
VE3EBS	Norm	Kalnay	108 Bridge St E	Belleville	K8N 1M3	962-5634	962-8812		
VE3ECY	Don	Henderson	18 Abbott Blvd	Cobourg	K9A 4E6	905-372-3922			
VE3EER	Dick	Hayes	Box 16	Foxboro	K0K 2B0	967-1987			
VE3EGO	Syd	Horne	531 Victoria Ave	Belleville	K8N 2G0	966-8670	n/a	shorne@intranet.ca	
VE3EJK	Keith	Keils	34 Lemoine St	Belleville	K8P 4G7	966-3479			
VE3ENF	Gary	Raine	Box 1012	Campbellford	K0L 1L0	705-653-1976			
VE3FQH	Harvey	Darling	Box 127	Long Lac	P0T 2A0			hdarling@geraldton.lakeheadu.ca	
VE3FZA	Craig	Smith	13 Hutton Drive	Belleville	K8P 1E9	966-1234		bgjsmith@connect.reach.net	
VE3GBJ	Jim	Ballard	Box 105	Campbellford	K0L 1L0	705-653-3801	n/a		
VE3GI	Al	Smith	42 Fourth Av	Trenton	K8V 5N7	392-5294	n/a		
VE3GJS	Greg	Schatzmann	105 Humewood Dr	Belleville	K8N 4E5	967-8950		gschatzm@loyalistc.on.ca	
VE3GLQ	Gord	Locklin	RR 4	Campbellford	K0L 1L0	705-653-4148			
VE3GRA	Brian	Credico	RR7 - Sunrise Ct	Belleville	K8N 4Z7	966-1546			
VE3GSI	Eric	Reid	216 Bridge St W	Napanee	K7R 2E6	354-3848			
VE3GTD	Bob	Brain	11 Greenfield Park	Corbyville	K0K 1V0	962-7717	n/a		
VE3GTF	George	Elliott	Box 737	Picton	K0K 2T0	476-5816	n/a		
VE3GTS	Terry	Shortt	RR 2	Colborne	K0K 1S0	905-355-2999			
VE3HBR	Marlene	Reid	216 Bridge St W	Napanee	K7R 2E6	354-3848			
VE3HFS	Fred	Smith	RR 1	Castleton	K0K 1M0	905-344-7723			
VE3HNJ	Al	Davis	17 Woodland Acres	Belleville	K8N 4K2	966-3084	n/a		VE3CDY
VE3HNQ	Harold	Quinn	40 McNichol Av	Trenton	K8V 2R6	392-5029	n/a		
VE3HON	Sandra	Campbell	31 Progress Av	Belleville	K8P 4Z3	962-3960		ve3cjg@blvl.igs.net	
VE3IVC	Ron	Chapman	549 Sidney St	Belleville	K8P 4A4	966-2910	n/a	ernest_one@msn.com	
VE3JJC	John	Coats	1149 Montrose Rd	Belleville	K8R 1A9	966-1240			
VE3JOW	Val	Reitav	RR 1	Madoc	K0K 2K0	473-2886			
VE3JV	Ed	Gareau	37 Parkview Heights	Trenton	K8V 5M1	394-5900	n/a		
VE3KBZ	Harry	Roscoe	350-PH3 Front St	Belleville	K8N 5M5	966-3430			
VE3KDB	Donald	Barber	152 Frankford Rd	Stirling	K0K 3E0	395-0388			
VE3KFO	Jack	Harper	26 Johnson St	Picton	K0K 2T0	476-7563	n/a		
VE3KJP	Pat	Kovac	35 Elvins St	Belleville	K8P 2L8	968-8984	n/a		
VE3KWB	Ken	Bechervaise	1 Karl St,#5	Belleville	K8N 1J8	962-4436	394-4373	kwb@limestone.kosone.com	
VE3KWT	Bill	Workman	70 Dunnett Blvd	Belleville	K8P 4M9	968-6296	n/a		
VE3LAX	Leo	Weagant	567 Sidney St	Belleville	K8P 4A5	968-5101	n/a		
VE3LEF	Ken	Fisher	Box 26	Tweed	K0K 3J0	478-6477	n/a		
VE3LGQ	Horace	McNeil	62 Village Dr	Belleville	K8P 4L5	962-9432	n/a		
VE3LTC	Brian	Milroy	120 TraceyPk Dr	Belleville	K8P 5C8	962-4731			
VE3MNL	JoAnn	Woods	27 Shamrock Rd	Belleville	K8P 4J1	968-3638			

CALL	FIRST	LAST	STREET	CITY	POSTAL	HOME PHONE	WORK PHONE	e-mail	packet
VE3MRN	Natalie	Rolston	RR 1 - Big Island	Demorestville	K0K 1W0	476-7118			
VE3NFD	Norman	Moore	100 Hastings Dr	Belleville	K8N 1J5	968-6265	n/a		
VE3NFP	Bill	Campbell	43 Joyce Cres	Belleville	K8N 1Y6	962-9813	969-1913		
VE3NRN	Nathan	Rolston	RR 1 - Big Island	Demorestville	K0K 1W0	476-7118			
VE3NW	Harold	Carruthers	255 Dufferin Av	Belleville	K8N 3X5	968-9607	n/a		
VE3OX	Al	Smardon	RR 1	Carrying Place	K0K 1L0	966-0668	n/a		VE3CDY
VE3PBR	Ralph	Barnes	RR 2	Marlbank	K0K 2L0	478-3977	n/a		
VE3PGR	Marguerite	Roy	RR 2	Coe Hill	K0L 1P0	337-5781			
VE3QAR	(repeater)	Q.A.R.C.	Box 23039	Belleville	K8P 5J3			www.blvl.igs.net/~qarc	
VE3RAH	Ralph	Easthope	187 Mill St	Stirling	K0K 3E0		n/a		VE3HQR
VE3RL	(club call)	Q.A.R.C.	Box 23039	Belleville	K8P 5J3			www.blvl.igs.net/~qarc	
VE3RRJ	Rex	Rolston	RR 1 - Big Island	Demorestville	K0K 1W0	476-7118			
VE3RZZ	Betty	Rolston	RR 1 - Big Island	Demorestville	K0K 1W0	476-7118			
VE3SIW	Mike	Lambert	603 Portsmouth Av	Kingston	K7M 7H7	549-5324		michael@king.igs.net	
VE3SOA	Darren	Jackson	188 First Av	Napanee	K7R 2K5	354-4925		jackson@king.igs.net	
VE3TBZ	John	Tebworth	43 Matthew St	Marmora	K0K 2M0	472-0546	n/a		
VE3TDT	Tony	Sollows	18 Johnson Rd	Trenton	K8V 2W7	392-5634		tony@connect.reach.net	VE3HQR
VE3TQE	Bob	O'Hara	15 Russell St	Napanee	K7R 2Z8	354-0332		ve3tqe@limestone.kosone.com	
VE3UGT	Dave	Ackerman	RR 7	Belleville	K8N 4Z7	962-3991		ve3ugt@blvl.igs.net	
VE3UO	Tim	Pekkonen	11 O'Hare St	Belleville	K8P 4R9	969-8012	476-2161	ve3uo@blvl.igs.net	
VE3UUM	Paul	Davidson	RR 2	Marmora	K0K 2M0	472-3449			VE3HQR
VE3UWP	Dan	Jackson	188 First Av	Napanee	K7R 2K5	354-4925		ve3uwp@king.igs.net	
VE3VFB	John	Hamelink	RR 5	Madoc	K0K 2K0	473-4465	n/a		
VE3VMP	Mike	Papper	34 Morris Dr	Belleville	K8P 5B4	969-1744	n/a	nancy@blvl.igs.net	VE3HQR
VE3VRF	Allan	Sinclair	Box 2	Napanee	K7R 3L4	354-4736		sinclaira@king.igs.net	
VE3WJJ	Wanda	Barnes	RR 2	Marlbank	K0K 2L0	478-3977	n/a		
VE3WLS	Larry	Scurry	Box 631	Frankford	K0K 2C0	398-7847			
VE3WV	Al	Taylor	7 Shoniker Av	Trenton	K8V 5T1	394-5159	n/a		
VE3WYL	Jim	Wylie	RR 1	Bancroft	K0L 1C0	332-4532			
VE3YAD	John	Day	RR 7	Belleville	K8N 4Z7	962-1703			VE3HQR
	Mario	deCastris	RR7	Belleville	K8N 4Z7	966-2373	969-0075		
	Arnold	Duke	Box 486	Deseronto	K0K 1X0	396-3732	n/a	duke@connect.reach.net	

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Campbellford

Paul Davidson Brock
RR2 Marmora
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President Don Skears   Trenton
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