

Kilowatter

The voice of the KW Amateur Radio Club
Since 1922

Kitchener-Waterloo Amateur Radio Club

Box 34012 Highland Hills Postal Station;
Kitchener, Ontario N2N 3G2

EDITOR: Paul Cassel VE3SY (519) 634-5139

email: editor@kwarc.org

Web site: <http://www.kwarc.org>

MONDAY'S MEETING

Date : Monday January 7th 2002

Time : 7:30pm

Place: RCAF Wing 404 Club. End of Dutton Dr. Waterloo. Off Weber St. N

Topic: Selling on eBay



Your webmaster and newsletter editor has enjoyed success selling surplus goodies from his basement on e-bay. It is surprising how many pieces of what you may think are worthless can be turned into hard American Cash just aching to be taken to Dayton and turned into a new rig.

Paul will be posting several club items on ebay 7 days before the meeting so the auction closes during his presentation. Watch the action by going to

www.ebay.com then click the **Search** button and then **By Seller**. Enter **ve3sy** in the **Single Seller** window and press **Search**. This will show you the items up for bid.

The auction on these items will end during Monday's meeting so it will let members see how the auctions progress and end. It is not unusual for the majority of the serious bidding to take place in the last few minutes and seconds of the auction so be sure to attend the meeting and watch the auction.

2002 MEETING LINEUP AND SPECIAL EVENTS

all meetings open to members and Non-Members

Your Meeting Program Chairman David Johnson VA3MRJ has lined up a great list of speakers. He would be glad to have your ideas for future meetings. You can contact David at 569-8782 or by email va3mrj@rac.ca

February 4

How to avoid costly lightning damage. Keith Ballinger from PolyPhaser Corporation will give us a talk on lightning and how to keep your equipment safe.

March 4

Industrial espionage is a growing threat to many high tech companies. Our speaker will be Doug Ralph VE3RT with ComSec Services Inc. an expert in the field of Electronic Counter Measures used to thwart such attacks on Canadian companies.

April 2

Our annual Show-n-Tell evening. Have a show and tell item you would like to share with the membership? Contact Dave VA3MRJ@RAC.CA

May 7 Another return by popular demand will be a speaker on Digital cameras. It is expected that over 50% of households will have a digital camera by the end of 2001.



June 4 Our Annual General Meeting and Election of Officers for next year

AND

**The Central Ontario Hamfest June 8th in Fergus
AND**

And Field Day June 22-23 to be held again at Doon Pioneer Village. Contact Fred VE3OQB if you wish to book a band or just offer to help.

NEW E-MAIL OR CHANGE OF ADDRESS??

As members move to a new QTH it is important that they keep us informed so their Kilowatter does not go astray. You can notify us of

any changes to your address, phone number or e-mail address by e-mail, editor@kwarc.org or by phone 634-5139. Check your

info in the membership list at the back of this issue. We especially need e-mail addresses for all members with same.

Kitchener Waterloo Amateur Radio Club

Box 34012 Highland Hills Postal Station; Kitchener, Ont. N2N-3G2

KWARC Directors 2001-02

President	Dennis Tabbert	VA3DLT	463-9641
Vice President	Bill Graham	VE3ETK	576-3578
Past President	Bob McKie	VA3MCK	579-2333
Treasurer	Dave Schwartz	VA3DGS	884-3594
Secretary	Ron Gravelle	VA3TVS	569-8746
Director	Ben Sasiela	VA3BNY	748-0445
Director	Larry Gorman	VE3LGN	884-6782

The Executive Committee

Program	David Johnson	VA3MRJ	746-8939
Membership Chairman	Bill Graham	VE3ETK	576-3578
Technical	Ben Sasiela	VA3BNY	748-0445
Packet Users	Larry Gorman	VE3LGN	884-6782
Database Mgr	Dave Schwartz	VA3DGS	884-3594
Bulletin Editor	Paul Cassel	VE3SY	634-5139
Edu. Co-Ord	Ron Gimbel	VE3DBD	699-4488
Chief Examiner	Vern Stroud	VE3RVS	743-9342
Emerg. Services Chair	Ed Spike	VE3TCK	884-2129
ARES Manager	Larry Gorman	VE3LGN	884-6782
CANWARN Mgr.	Ron Gravelle	VA3TVS	569-8746
Inventory	Ben Sasiela	VA3BNY	748-0445
QSL Manager	Gord Gibson	VE3NQG	893-5148
Virtual Swap-Shop	Dave Schwartz	VA3DGS	884-3594
Bereavement	Marg Cassel	VE3RE	634-5139

KWARC Owned Repeaters/Nodes

Mode	Call	Freq.	PL	patch	Location
Voice	VE3KSR	146.970	Y	member	Baden Hill
Voice	VE3RCK	146.865	Y	member	Kitchener
Packet	VE3KSR-0	145.010			Baden Hill
Packet	VE3KWQ	145.090			Waterloo
Voice	VE3IXY	224.340			Kitchener
Voice	VE3SED	52.340			Baden
Voice	VE3RBM	444.875	y		Kitchener IRLP
Voice	VE3SY	147.570		SIMPLEX	Petersburg IRLP

Tone Frequencies (PL) for above are all 131.8

Other Area Repeaters/Nodes

Mode	Call	Freq.	PL	patch	Location
Voice	VE3EUC	444.700	N		Elmira
Voice	VE3KFM	442.000	Y	open	Kitchener
Voice	VE3RND	145.330	Y		Plattsville
Voice	VE3SWR	146.790	N		Cambridge
Voice	VE3WFM	147.090	N	private	Waterloo
Voice	VE3WWW	146.835	N		U of W
Voice	VE3RSS	147.030	N	members	Acton
Voice	VE3ZMG	145.210	N	Open	Guelph
Packet	VE3VIQ	145.570			Guelph
TCP/IP	VE3MKY	145.570			Guelph
TCP/IP	VE3UOW	145.570			U of W BBS

The **Kilowatter** is published 10 times a year (Sept-June) by the Kitchener-Waterloo Amateur Radio Club (KWARC). Opinions expressed or implied herein are those of the authors. KWARC assumes no responsibility for the accuracy or content of any information. Material for inclusion in the next Kilowatter must be in the hands of the editor by the 20th of the month prior to publication. The Kilowatter newsletter is also available on-line at <http://www.kwarc.org>.

On-Line Members are urged to use this medium so as to minimize mailing costs.

Our December Meeting "Christmas Treat Exchange" by David VA3MRJ

A crackling fire and tinkling piano keys with Gerry (VE3DYY) at the keyboard announced the beginning of our annual Christmas Party. Over 50 persons attended including guests and spouses.

Lots and lots of food, coffee and eggnog and many hours of fellowship made this an enjoyable evening for all.

A feature to this year's party was the Food Bank donation by our members. David (VA3MRJ) dropped off the station wagon load of food the next day at the Waterloo Regional Food Bank. When the donation was weighed, it totalled 66lbs. Way to go everyone!

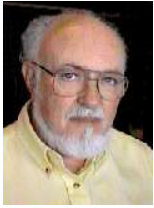
Thanks to everyone for making this year's

party a great success.

David
VA3MRJ



WELCOME TO NEW MEMBERS from Membership Chairman and VP, Bill Graham VE3ETK



January 2002 – it seems like a long time since we all thought the power would be out for days thanks to the Y2K bug – is here and we welcome it along with a several things I predict we will welcome to Amateur Radio: IRLP will double in the number of active nodes, and maybe split into two systems; with the demise of IPARN on satellite we will see those terrestrial

networks associated with it become available through IRLP; these events will in turn increase the number of people who want to become 'hams', and the number of present 'hams' will do the 5 WPM code test and show up on the HF bands.

But, the most important welcome of the month is to our new members. We wish you not only the best of 2002, but the best of Amateur Radio not only for this year but for many to come:

- **Bob Pelling,** VE3XNB
Kitchener
- **Nicholas Anbeek** VE3NTA
Guelph,
- **Ted MacDonald** VA3OMT
Mitchell

73 to you all
Bill VE3ETK

Thanks Dave and CKCO-TV



KWARC took the opportunity at our recent Christmas Lunch to thank CKCO-TV for their tremendous contribution to KWARC over the past 30 years.

Starting back in 1967, CKCO gave the then Kitchener-Stratford FM Association (VE3KSR club) permission to install our VE3KSR repeater on the Baden Hill. Over the years KWARC has built a concrete block shelter on the hill to house our equipment and more recently was assisted greatly by CKCO in the relocation of our antennas from the 45 year old tower to the new 700 footer.

Engineering Manager Dave Melse as well as Paul Edgley VE3PQ at CTV Engineering in Toronto, provided KWARC with free space on the new towers at locations equal of better than our old locations. KWARC also enjoys the benefit of being tied into the huge diesel generator that provides emergency power during power outages which occur frequently during summer electrical storms.

So from all of us at KWARC
THANK YOU DAVE and CKCO-TV.
(In appreciation, Ben presented Dave a Plaque at the Christmas Luncheon)

VE3urCall@RAC.CA and it's "FREE" by Larry Gorman VE3LGN

Would you like a "customized" easy to remember e-mail address?

To qualify for this alias you must already have a service provider, and a registered amateur radio callsign.

Send an e-mail to alias@rac.ca. In the body of the message include "urcall=username@yourISP". For example ve3sy=pcassel@kw.igs.net would be what

Paul VE3SY used to establish his RAC alias.

E-Mail to the RAC address will be redirected to you via your providers address. You can use either address, as suits your whims. This service is courtesy of Radio Amateurs Of Canada. Membership is encouraged but not required.

Consider joining this year using some of your Christmas loot. For further information e-mail > rachq@rac.ca < or phone 1-888-780-3333 toll free.

Editors Note: The RAC e-mail forwarding service is provided free of charge to Canadian Amateurs courtesy of RAC and Information Gateway Services (IGS)

Windows Updates I M P O R T A N T by Paul VE3SY



If you have not updated your Internet Explorer with all of Microsoft's Security patches you can still get a virus even WITHOUT opening an attachment. Many of the viruses making the rounds these days do not require that you view the attachment simply preview the message and the embedded code will launch the virus UNLESS you have kept your system up-to-date.

These updates are FREE and while some of the patches are large, it is very important that you install them and the

automatic updated notification. Point your browser to <http://windowsupdate.microsoft.com/> and click the PRODUCT UPDATES link. If this is the first time you have visited this site you will be asked to OK the download of a small AutoUpdate module. Once loaded Microsoft will determine which updates you require and a banner will appear while your system is scanned. NOTE: No information is sent to Microsoft. When the available updates appears you are

only concerned about the CRITICAL UPDATES and SERVICE PACKS. The critical update package is usually already clicked for download so just click the Download button and follow the instructions.

After the updates are applied you will now be automatically notified of future updates as soon as they are available. When a future Critical Update has been released, a window will pop up on your screen while you are connected to the internet indicating a Critical Update is now available and do you want to install it. I strongly suggest you accept this and keep your system as secure as possible.



Editors Note: Before anyone thinks that QRV is being penned by your Editor... you are wrong oh paranoid one. QRV is a new columnist who has asked for total anonymity. I promised same in exchange for her/his monthly column. QRV indicated future topics will touch on items of interest around the club as well as operating procedural tips. If anyone has any tips they would like to leave for QRV, they can be e-mailed to QRV@KWARC.ORG and it will be auto forwarded to the anonymous QRV.



It started innocently enough as these things always do. I was sitting here at VE3IC (the club station) trying to keep warm out in the old shack so I turned

on the big final amp so the 3-1000 tube would heat the place a bit. I had been monitoring KSR, or at least thought I'd give it a shot in case some lonely Christmas traveler was having trouble on the highway. I gave that up because the repeater was making kerchunk noises like my old uncle Herman's John Deere tractor when one of the two cylinders misfired. One of these days we've got to get the PL tone turned on.

Anyway, I digress. Nothing was happening on any band and then I heard that sizzling noise coming from the big power supply that runs the 3-1000 power tube. It happens every so often and here I was with nothing to do. Better see if I can fix it, maybe for good this time.

With the front panel off I go in with the voltmeter probe, when Blam! The next thing I know I'm over against the back wall, my butt on the floor, and you'd think one of those 24th of May pin wheels was going off. Somehow as I flew through the air I knocked over a pile of old electronic magazines. I mean, I've scattered them all over the place. Loose pages are floating in the air. As I regain my breath and the fireworks dies down

this page from Electronic Australia from 1966 flutters onto my knees: A message direct to me from Zeus or whoever the god of electronics is. So, I share it with you:

1. Beware of the lightening that lurks in the undischarged capacitor lest it cause thee to be bounded upon they backside in a most ungentlemanly manner.
2. Cause thou the switch that supplies large quantities of juice to be opened and thus tagged, so that they days may be long on earth.
3. Prove to thyself that all circuits that radiate and upon which thou workest are grounded, lest they lift thee to a high frequency potential and cause the to radiate as well.
4. Take care that thou use the proper method when thou takes the measure of high voltage, that it not incinerate both thee and the meter; for verily, though thou hast no account number and canst be easily replaced, the meter doth have such and shall bring great woe upon the supply department.
5. Tarry not amongst those who engage in intentional shocks, for they are surely non-believers and not long for this world.
6. Take care thou tamper not with interlocks and safety devices, for this shall incur the wrath of thy

seniors, and unleash the fury of the safety officer down upon they head and shoulders.

7. Work not with energized equipment; for if thou doest, thy buddies will surely be buying beers without thee and thy space at the bar will be filled by another.
8. Verily, verily, I say unto thee; never service high voltage equipment alone; for electric cooking is a slothful process, and thou mightiest sizzle in thine own fat for hours before thy Maker seethe fit to end thy misery, and draw thee to His fold.
9. Trifle not with radio active tubes and substances, lest thou commence to glow in the darkness like unto a lightening bug.
10. Commit thou to memory of the prophets, which are written in the Instruction Books; they give thee the straight dope and steer thee away from error.

As I read this mighty message a glow enveloped me as though a bright light had been turned on, and all the little stars in front of my eyes formed a message: Safety First. At least, That's How IC It!

73 from QRV

The KWARC Tech Report

by Ben VA3BNY

Our first snowstorm hit this region in mid December, and caught us all by



surprise, with slippery streets and some snowdrifts. As I drove by the Baden hill where the majority of our clubs equipment is located, I was reminded of the times that the only way to the top was to walk, as the driveway on this day was again snow covered. Hopefully, all our equipment will

continue to operate during the next few cold months without the need for too many visits.

The only immediate projects that the technical committee plans for after the New Year will be to replace our clubs repeater VE3RBM with a new radio and controller. As this is the prime IRLP node for this area, there will be an improvement to the audio quality as well as repeater control functions. The new controller will be a CAT200 that is also programmable with a laptop interface cable, minimizing the need for tedious

long TT command strings. The new controller will also enable us to interface additional radio links, as well as voice announcements. RBM's present controller had become unreliable dropping the PTT for unknown reasons.

I will bring the new controller to the January meeting for all to see.

Ben Sasiela
VA3BNY
Technical Chairman

Membership List in This Issue

An updated membership list has been printed on the last pages of this issue. If there are any errors or you have an e-mail address

that is not listed, please notify us so we can better stay in touch with you. Contact us by e-mail at editor@kwarc.org or by telephone

634-5139 with any updated information.

We now have almost 300 active IRLP nodes. And just think - last April we were node 63 when the IRLP was just starting to gain some awareness. Now IRLP has matured nicely and is rapidly approaching critical mass as did FM repeaters in the late 1960s when VE3KSR went on the air.

We have many members who have yet to make their first QSO on the IRLP network which may be a result of not being sure how to use it so here are a few hints to assist members in using the Internet Radio Linking Project services offered to all of our members.

SHORT CUTS

- The following short cuts will assist with common commands
- Dialling 00 will drop or disconnect any connection.
- Dialling 22 will connect to reflector 2 in Denver.
- Dialling 11 will connect to reflector 1 in Toronto.

IMPORTANT GUIDELINES

Remember the following basic guidelines when using the IRLP

- Always give your call-sign prior to sending any touch-tone (DTMF) commands
- After pressing the microphone button, always Pause 1/2 second or longer before speaking. This gives time for all of the radios to open up at both ends of the connection. Contrary to popular thought the delay is NOT caused by the internet
- Always leave a good 5 second pause

between transmissions to allow time for nodes to drop out or other stations a chance to enter the QSO. This is good practice at all times when using FM communications.

DERIVING ON/OFF CODES

To derive the ON/OFF codes for any connection use the node number list previously published or as updated daily on the club home page. Add a 0 to the node number for ON and a 1 for OFF.

DROPPING A CONNECTION

If we are currently connected to a reflector you may be hearing other stations. Listen for a minute or so to confirm no local members are using the connection and then - at the first break between transmissions - immediately key the microphone and ID saying ,, "VE3XYZ for control" and then dial 00 to drop the reflector. A message will play to confirm. If transmissions continue, you may not have got in quick enough which is the reason we always ask people to pause for 5 seconds between transmissions. If this is the case try again but note that the other station cannot be transmitting when you attempt to command. On RBM wait till you hear the courtesy beep and on the VE3SY simplex node you can send tones the instant the carrier drops.

MAKING A CONNECTION

First you need to derive the ON and OFF codes that you will require for the connection. (see above)

For example: assuming our local node is currently in a disconnected state to connect to Owen Sound you would press your PTT and then dial 2140 to connect.

Within a few seconds a voice greeting will play with the ID of the Owen Sound repeater. While you are hearing the VE3XTX voice ID they will be hearing the voice ID for our node. Since all recordings differ in length it is a good idea to wait a few additional seconds before initiating your call.

When completed with your QSO, refer to the Dropping A Connection to disconnect.

HAVE FUN

The IRLP nodes have been installed for everyone to enjoy this new facet of our hobby. Don't worry about making mistakes as there are lots of people out there to help you. All we ask is that you do not discuss node codes on the air as some node operators do not wish even basic commands be made public. KWARC works on the premise that all amateurs are adult and willing to support their local club therefore both our phone patch and IRLP nodes are open. However in respect to other node operators please refrain from asking code info on the air.

STILL NEED HELP?

If you still need assistance feel free to call me on the phone at 634-5139 or drop me an email at ve3sy@kwarc.org.

IRLP is NOT a passing fad folks so jump in and give it a try.

73 de Paul VE3SY

Lunch Bunch Christmas Luncheon

by Paul VE3SY

photo VA3BNY



Paul VA3PT, John VE3OVO, Carol VE3IYY, Gord VE3DPB, Edna and Harold VE3DWH

The 13th Annual Lunch Bunch Christmas Luncheon was an overwhelming success with 52 in attendance.

According to Paul VA3PT and John VE3OVO the original organizers, this was a new record for attendance.

Also a new record were the number of door prizes. Power Bars from Hammond Manufacturing, TriBand antenna from Ted TJD or Laser Audio, Mag mount antenna from Charlie VE3WRH of MRC Wireless, Hats and mugs from Erb Transport and Liberty Linehaul, Mini Christmas Hampers from Marg VE3RE of Zehr Insurance, and numerous lovely gifts from Brad, Karen and Harold Braun.

A wonderful meal and a wonderful time of fellowship was had by all.



APRS SYMPOSIUM

Date:	Saturday January 12, 2002
Time:	9:00am – 4:00pm
Location:	BEST WESTERN INN 9 Holiday Drive, Brantford, Ontario
Cost:	\$10.00 at the door

A Day of Information and Demonstrations

Registration 9:00 AM with social gathering and demonstrations/displays

10:00	Seminars (to be announced)
12:00	Lunch
1:00 – 4:00	Seminars (to be announced)

Please attend as we plan to discuss a province wide digi-path system for Ontario. Your input is appreciated. We will also be setting up an Elmer system for the province to help new and existing APRS'ers to get started or to assist in problems they encounter.

Come meet the callsign's face to face for an enjoyable and information filled day of activities. Hope to see you there...73... Tom VE3FCK

See you on the map...

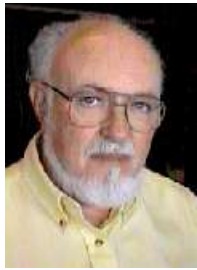
Wayne Gretzky Drive is the former Park Road one exit East of Hwy 24

The Bean Report Year To Date (Fiscal Year 2001-2002)

Description	Amount	Totals
Revenues		
Previous FY Balance Forward		
Prev KWARC financial year bal fwd	\$3,038.80	
Group total:		3,038.80
KWARC Membership		
KWARC Membership fees	1,821.45	
Group total:		1,821.45
KWARC COARF		
KWARC table	77.00	
Group total:		77.00
Club meeting revenue		
KWARC 50/50 draw revenue	66.25	
Group total:		66.25
KWARC Education revenue		
Donation	400.00	
Group total:		400.00
Reserve (Savings)		
Group total:		0.00
Other KWARC revenue		
Group total:		0.00
Revenue total:		5403.50

Description	Amount	Totals
Expenses		
Bulletin expense		
Production exp.	726.44	
Postage exp.	499.75	
Group total:		1,226.19
Executive exp.	36.07	
Insurance, corporation	835.92	
Bank service charges	15.75	
Group total:		887.74
KWARC Club Meeting expense		
Speaker certificate exp.	26.45	
Group total:		26.45
VE3KSR voice repeater expense		
KSR telephone exp.	128.89	
Group total:		128.89
VE3RCK voice repeater expense		
RCK telephone exp.	101.96	
Group total:		101.96
Expense total:		\$2,371.23
Revenues less expenses		\$3,032.27
New Balance:		\$3,032.27

Your Clubs Bank Balance as of December 21, 2001 \$3,032.27



As I'm writing this we are celebrating the 100th anniversary of Marconi's first wireless transmission across the Atlantic. Just think of all the electronic advancements that have occurred since

them. What an exciting time the next century will be for those involved in 'Ham' Radio.

You can have an impact on that by bringing someone new into our wonderful hobby, and our great club. KWARC has all the resources at hand to help the newcomer: Courses to get them started; courses to help them with advancement; great guest speakers each month to keep the interest up and spark new things to do; tools like IRLP and our repeaters to keep the interest high. So, talk to your friends and neighbours (particularly young people), demonstrate your equipment for them

and bring them to a meeting. When they come, as for a copy of our Prospective Member pamphlet. Soon, you'll be proud to have another friend and budding Amateur in our ranks.

Talking about repeaters, I got absolutely zero responses to my questionnaire regarding the use of a PL tone on VE3KSR to eliminate the interference we are experiencing. That indicates to me that no one, absolutely no one, who read last month's bulletin has any argument with instituting this feature.

Have a great New Year, and I'll see you all (with a guest) at a meeting in 2002.

then – including Amateur Radio. That single event triggered an unimaginable, at the time, chain of events and devices.

We can no better imagine what the next 100 years will bring. Yet, every one of those devices had a Radio Amateur involved in the invention/creation of

T'was the Night Before Christmas

by Gary KN4AQ, Raleigh NC (formerly of Chicago FM Club)

T'was the night before Christmas and all through two meters, not a signal was keying up any repeaters.

The antennas reached up from the tower quite high, to catch the weak signals that bounced from the sky.

The children, Technicians, took HT's to bed, and dreamed of the day they'd be Extras instead.

Mom put on her headphones, I plugged in the key, and we tuned 40 meters for that rare ZK3.

Then the meter was pegged by a signal with power! It smoked a small diode and I swear shook the tower!

Mom yanked off her 'phones, and with all she could muster, logged the signal right now on the DX PacketCluster.

Then I ran to the window, peered up to the sky, to see what could generate RF that high.

It was way in the distance, but moonlight made it gleam: a flying sleigh with an eight element beam.

The little old driver, he looked slightly mean. So I thought for a moment it might be Wayne Green.

But no, it was Santa -- the Santa of hams, on a mission this Christmas to clean up the bands.

He circled my tower, then stopped in his track, and slid down the coax right into the shack.

While mom and I hid behind stacks of CQ, this Santa of hamming knew just what to do.

He cleared off the shack desk of papers and parts, and filled out my late QSL's for a start.

He ran copper braid, took a big rod and pounded, 'til all of the station equipment was grounded.

He tightened loose fittings, resoldered connections, cranked down modulation, installed lightning protection.

He neutralized tubes in my linear amp (never worked right before, now it works like a champ!).

A new low-pass filter cleaned up the TV, and he fixed all the settings in my TNC.

He fixed the computer that would not compute, and backed up the hard drive and got it to boot.

Then he reached really deep in that bag he had brought, and he pulled out a box - a new rig, so I thought.

A Kenwood? An Icom? A Yeasu, for me? If he thought I'd been bad, it might be QRP!

The ultimate station! Did I deserve this? Could it be all those hours I worked public service?

He hooked it all up, and then all very quickly, worked 100 countries all down on 160.

I should have been happy (it was my call he sent), but the cards and the postage will cost two months' rent!

He finished up, then left a note by the key: "to a good ham from Santa Claus -- 73!"

Then he grabbed his HT, looked me straight in the eye, punched a code on the pad, and was gone -- no good bye.

I ran back to the station. The pileup was big, but a card from St. Nick would be worth my new rig.

Too late, for his final came over the air. It was copied all over and heard everywhere.

The ham's Santa said what a ham might expect: "Merry Christmas to all, and to all, good DX!"

KWARC Membership Roster as of December 21, 2001

VF3XM	Ahell	Rnh	14 Parkview Dr R R #1	Wellesley	ON	N0R2T0	656-9940
VE3DUA	Allen	Dave	53 Glen Avon Cres	Kitchener	ON	N2N 1C2	570-4607
VE3NTA	Anbeek	Nicolas	33 Cardigan St. #707	Guelph	ON	N1H 3Z5	(519) 836-7506
VA3JHB	Aver	Marv Jane	282 Sandowne Dr.	Waterloo	ON	N2K 2C2	888-7656
VE3WDL	Aver	Bill	282 Sandowne Dr.	Waterloo	ON	N2K 2C2	519-888-7656
VE3YIG	BAIRD	HUGH	R.R. #1	BRIGHT	ON	N0J 1B0	684-7257
VE3SWU	Baker	Alan	358 Bushview Cr	Waterloo	ON	N2V 2A5	888-7123
VA3BAT	BARNA	ANDREW	207 MOORE ST. # 5	CAMBRIDGE	ON	N3H 3A5	653-1282
VE3FVF	Barton	Robert	26 Braemar Blvd.	Baden	ON	N0B 1G0	519-634-5382
VE3NEI	Baxter	Walt	14-135 Chandler Dr.	Kitchener	ON	N2E 1G8	579-9123
VE3BFH	BEATTY	EDWARD	145 CHELFORD CRESCENT	WATERLOO	ON	N2J 3T6	
VE3JLB	Bechtel	Joyce	146 Water St.	St. Jacobs	ON	N0B 2N0	664-3614
VE3PWB	Bechtel	Paul	146 Water St. BOX 341	St. Jacobs	ON	N0B 2N0	664-3614
VA3LLB	Beilstein	Louis	20 Blackfriars Pl.	Kitchener	ON	N2A 1M5	893-5245
VE3CSB	BELL	DAVID	40 BRADLEY PLACE	KITCHENER	ON	N2B 2B3	621-1664
VE3RCZ	BEREZOV	BORIS	4-423 BARRIE PLACE	WATERLOO	ON	N2L 3Z6	885-5703
VA3BEX	BEXON	KENNETH	296 WILSON AVE.	KITCHENER	ON	N2C 1H4	893-6607
VA3JMB	BLACKWELL	JIM	71 WREN PLACE	KITCHENER	ON	N2A 1L8	894-5432
VA3REI	Blasio	Reinhart	458 Driftwood Dr.	Kitchener	ON	N2N 1S6	749-1231
VE3KIS	Blom	John A.	54 Wellington Rd. 7	Flora	ON	N0B 1S0	519-846-0861
VE3CD	BODMAN	TED	3 CHELFORD PL	WATERLOO	ON	N2J 3T8	885-6223
VA3PTB	Bon	Peter	123 Vintage Cres.	Kitchener	ON	N2P 1L1	748-1430
	BOSHART	LARRY	2138 WITMER RD. RR#2	PETERSBURG	ON	N0B 2H0	696-3151
VE3PAY	Brand	Christopher	51 Shrewsbury Street	Stratford	ON	N5A 2V4	273-4505
VE3CWL	Brander	Alle	P.O. Box 37	Sebrinaville	ON	N0K 1X0	393-6517
VE3DWH	BRAUN	HAROLD	309 ALBERT ST	WATERLOO	ON	N2L 3T9	884-2388
VE3EUC	BRUBACHER	RALPH	62 CENTER ST.	ELMIRA	ON	N3B 2V8	669-2873
VA3DC	CAMPBELL	DOUG	3646 Shadow Creek Road	ORILLIA	ON	L3V 6H3	705-689-2422
VE3BSK	CAREY	EDWARD	110-130 LINCOLN ROAD	WATERLOO	ON	N2J 4N3	886-6697
VA3JSC	Carr	Jane	35 Connaught Place	Kitchener	ON	N2C2P9	8942819
VE3XLN	Case	Graec	28-350 Erbsville Rd	Waterloo	ON	N2T 2P7	519 725 0898
VE3RE	Cassel	Margaret	P.O. BOX 29	PETERSBURG	ON	N0B 2H0	634-5139
VE3SY	Cassel	Paul	P.O. Box 29	Petersburg	ON	N0B 2H0	634-5139
VE3RTS	CASSIDY	JAMES	458 THORNDALE DRIVE	WATERLOO	ON	N2T 1V4	884-2408
VE3LCR	Cauchell	Wallace	332 Lonafellow Drive	Waterloo	ON	N2L 2S3	519-885-5767
VE3SXX	Cavaliere	Andv	24 Orchid Cres.	Kitchener	ON	N2E 3N2	519-742-0123
VE3ERT	Chandler	Wendv	357 Wintergreen Dr	Waterloo	ON	N2V 1L7	519 746-9468
VE3DCC	Clausi	Rich	1 Finch Pl.	ELMIRA	ON	N3B 3B3	669-8633
VE3VCL	Clausi	Lorraine	1 Finch Pl.	ELMIRA	ON	N3B 3B3	669-8633
VE3EWN	COLES	PAUL	68 HADATI RD.	GUELPH	ON	N1E 6H1	519 -837-2440
VE3FC	COOPER	FRASER	336 KITCHENER ROAD	CAMBRIDGE	ON	N3H 1A6	650-0342
VE3JYJ	COSTELLO-JONES	JOAN	104 RENNIE DRIVE	KITCHENER	ON	N2A 1J6	893-5709
VE3WVC	Court	Bill	1517-500 Green Rd.	Stone creek	ON	L8E-3M6	905-6627090
VE3OU	CRUMP	ERNIE	790 REGENT STREET	CAMBRIDGE	ON	N3H 2V3	653-9743
VE3LLK	Dahlaren	Jack	250 Keats Wav #23	Waterloo	ON	N2L6J5	519 886-8358
VE3TPZ	DAVIDSON	JAMES	65 YOUNG ST.	STRATFORD	ON	N5A 1J5	273-1397
VE3UJN	Davidson	Joev	141 St. Andrew. Box 294	Mitchell	ON	N0K 1N0	
VE3KZA	DEWAR	MARG	5463 Deborah Glaister Line R.R #2	WELLESLEY	ON	N0B 2T0	656-2951
VE3NXZ	D'Hondt	Perry	130 North Dr.	Kitchener	ON	N2M 1L1	579-8492
VE3TJD	DODA	TEDD	21 SNYDERS RD.	BADEN	ON	N0B 1G0	634-5949
VE3EUD	DOIDGE	JOHN	805-6 Willow Street	WATERLOO	ON	N2J 4S3	885-5414
VE3MFR	Doll	Terrv	60 Linda Dr	Cambridge	ON	N3C 3W4	519 658-0283
VE3BDP	DORAN	WAYNE	41 TRAILVIEW DR	KITCHENER	ON	N2N 1P7	741-5306
VE3ZIO	Dufresne	David	75 Culbopper Dr.	Waterloo	ON	N2L 5K8	888-7462
VA3EJD	DUMERING	JOHN	P.O. BOX 681	NEW HAMBURG	ON	N0B 2G0	662-39833
VA3BUL	Dulmace	Glenn	132B Northlake Dr.	Waterloo	ON	N2V 1H6	519 884-7893
VE3EIX	EIX	HARRY	RR #1	ELMIRA	ON	N3B 2Z1	669-2028
KC2FTN	Elcsisin	Mike					
VE3ARB	Elsbv	Randv	118 Overlea Drive	Kitchener	ON	N2M 1T1	519 742-5236
VE3AIM	ENNS	JOHN	266 Marsland Dr	Waterloo	ON	N2J 3Z1	746-1500
VE3BB	ENNS	ERIC	119 MARSHALL ST	WATERLOO	ON	N2J 2T6	885-5216
VE3GWE	Euler	Gordon	1704-6 Willow Street	Waterloo	ON	N2J 4S3	519-746-6144
VE3KGF	Fawcett	Keith	820 Burford Delhi Townline Rd.. RR 3	Scotland	ON	N0E 1R0	519-446-3392
VE3HDA	Figueiredo	Tonv	67 Norfolk Ave.	Cambridge	ON	N1R 3T8	(519) 621-5236
VE3RDF	FISCHER	ROY	224 INGLESIDE PL	KITCHENER	ON	N2M 2H2	578-2098
VE3ESE	FISHER	DONOVAN	48 LUCERNE DRIVE	KITCHENER	ON	N2E 1B3	578-7328
VE3IQP	FLETCHER	WILLIAM	448 HILLSIDE STREET	WATERLOO	ON	N2K 2P5	885-2288
	Forster-Haberer	Marina-Henrietta	26 Euclid	Waterloo	ON	N2L 6L9	
VE3HFA	Frehe	Harro	61 Limerick Drive	Kitchener	ON	N2P 2G9	653-8620
VE3FRE	Fretz	Ronald	614 Victoria Street South	Kitchener	ON	N2M 3B1	743-6689
VF3WI I	Fretz	William	614 Victoria St. South	Kitchener	ON	N2M 3R1	743-6689
VF3NOM	FIJHR	WAI FER	P O BOX 244	TAVISTOCK	ON	N0R 2R0	655-2164
VE3UTJ	GARDINER	Norman	P24 - 170 Erb Street W.	Waterloo	ON	N2L 1V4	519-885-0832
VA3CEG	Gautreau	Christopher	57 Bridgeport Rd. E. Apt 36D	Waterloo	ON	N2J 2J8	884-0504
VE3SNQ	GERRISH	ARNOLD	139 DAVID BAUER DR. Unit 332	WATERLOO	ON	N2L 6L1	883-0540
VE3NQG	GIBSON	GORD	102 GRAND RIVER BLVD	KITCHENER	ON	N2A 2T1	893-5148
VE3CBQ	Gimbel	Jean	25 Arthur Rd.	Heidelberg	ON	N0B 1Y0	699-4488
VE3DBD	Gimbel	Ron	1-89 Westmeadow Dr.	Kitchener	ON	N2N 3N1	519-584-2009
VE3ZLV	GISSING	ROBERT	246 DUKE STREET E.	KITCHENER	ON	N2H 1B3	578-3550
VE3VBH	GOODBURN	BRIAN	6549 First Concession RR 2	PUSLINCH	ON	N0B 2J0	519-658-6227
VE3LGN	GORMAN	LARRY	549 FALLINGBROOK DR	WATERLOO	ON	N2L 4N2	884-6782
VE3ETK	GRAHAM	BILL	91 HILLSBOROUGH CR.	KITCHENER	ON	N2E 1J5	576-3578
VA3TVS	Gravelle	Ron	66 Wildlark Cr.	Kitchener	ON	N2N 3E9	569-8746

VE3NSV	GREEN	TERRY	45 HOWE DR F-2	Kitchener	ON	N2E 2H5	886-6487
VE3APG	Grousopoulos	Paul	124 Montcalm Drive	Kitchener	ONT.	N2B 2R5	893-3548
VE3XOO	Hammer	Robert	3820 Nafziger Road RR2	Wellesley	ON	N0B 2T0	656-2159
VE3WMH	Harrington	Bernard	2090 Maplewood Road	St. Clements	ON	N0B 2M0	699-4689
VE3BAH	Harris	Bingham	110 Northside Dr.	St. Jacobs	ON	N0B 2N0	664-1317
VE3FQT	HARRISON	MURRAY	4 Graham St. R.R. # 1	ELORA	ON	N0B 1S0	
VA3JRH	HAYHOW	JIM	104 WATER STREET	STRATFORD	ON	N5A 3C2	519-271-5203
VA3CTG	Havward	Colin	48 Schweitzer St.	Kitchener	ON	N2K 1B4	744-7205
VA3LWH	Havward	Lvnda	48 Schweitzer St.	Kitchener	ON	N2K 1B4	744-7205
VE3EOS	Havward	Gord	48 Schweitzer St.	Kitchener	ON	N2K 1B4	744-7205
VE3GIM	Havward	Gwilvm	48 Schweitzer St.	Kitchener	ON	N2K 1B4	744-7205
VE3HEB	HEBERT	MARC	148 ONEIDA PLACE	KITCHENER	ON	N2A 3G4	893-3122
VE3JMU	HEIDMILLER	JIM	205 ROYAL ST.	WATERLOO	ON	N2J 2H8	744-8575
VE3MTS	Hicks	Fred	52 Wilkins Dr.	Kitchener	ON	N2E 1L2	579-2367
VA3MAH	Holden	Mark	343 Willow St	Stratford	ON	N5A 3B8	(519) 273-1371
VE3NXB	Hollinger	Grea	42 Hillcrest Lane	Kitchener	ON	N2K 1S8	742-7331
VE3HKJ	Holmes	Jack	PO Box 109. 9 Venus Cres.	Heidelberg	ONT	N0B 1Y0	519 699 5064
VE3RVH	HORNEY	REGINALD	45 LARKSPUR CRES.	KITCHENER	ON	N2M 4W8	745-7619
VA3TTN	Hristov	Sinisa	#408-221 Queen St. South	Kitchener	ON	N2G 1W5	579-9026
	Hutchinson	Alan	1 York Place	Cambridge	ON	N1R 3P6	519 623 3453
VE3HTU	Hutchinson	Richard	68 Grandridge Cres.	Guelph	ON	N1H8G3	519 822-0478
VE3IXC	Hvgate	Rex	25 Broadview Ave	Cambridge	ON	N1R 3V6	519 623 1783
VE3NXD	Irwin	Dave	8 Rose St.	Kitchener	ON	N2H 1L6	578-2634
VA3MRJ	JOHNSON	DAVID	56 Onward Ave.	Kitchener	ON	N2H 3J9	569-8782
VE3CPI	JONES	BOB	104 RENNIE DR	KITCHENER	ON	N2A 1J6	893-5709
VE3GYC	Jones	Bruce	2-510 Oakvale Dr.	Waterloo	ON	N2T 2G6	747-3905
VE2PK	Kaiman	Marvin	1138 Garden Road	Mississauga	ON	L5H 3J6	(905) 891-1130
VE3ABZ	Kinnee	A.J.	403 Lee Ave.	Waterloo	ON	N2K 2G4	519-888-6655
VE3JGK	KORNSTEIN	GARY	600 SPINNAKER CRESCENT	WATERLOO	ON	N2K 4A5	746-5469
VA3JPL	Lacroix	Pierre	53 Gaw Crescent	Guelph	ON	N1L 1H9	519 826-2098
VE3PRD	LaHaise	Neil	512 Blue Lake Road	St. George	ON	N0E 1N0	442-7386
VA3EZT	Lamb	David	RR #2	Tavistock	ON	N0B 2R0	462-2303
VA3LEE	LEE	MARIE	44 LAURIS AVE.	CAMBRIDGE	ON	N1R 5L4	519-621-7547
VE3LEE	LEE	NEIL	44 LAURIS AVE.	CAMBRIDGE	ON	N1R 5L4	519-621-7547
VA3MGL	LETTENBAUER	MARK	105 KENORA DR.	KITCHENER	ON	N2A 2C1	893-9221
VE3SVJ	LINDSAY	JOHN	98 BREWERY	BADEN	ON	N0B 1G0	634-8480
VE3FFJ	Link	Herb	257 Quickfall Dr.	Waterloo	ON	N2J 3T1	886-8344
VA3DML	Linnerth	Dave	622 Red Pine Drive	Waterloo	ON	N2V 1R9	884-9382
VE3OVO	Linnerth	John	622 Red Pine Drive	Waterloo	ON	N2V 1R9	884-9382
VA3SPL	Loker	Steven	212-57 Westwood Dr.	Kitchener	ON	N2M 2K5	
VE3OOB	LOUWE	FRED	10 PINNACLE DRIVE	KITCHENER	ON	N2P 1B7	519-896-6178
VE3MLI	LOVERIDGE	MARTIN	174 THAMES ST. S.	INGERSOL	ON	N5C 2T5	485-2131
VE3TJE	LOWE	BRIAN	416 FLANNERY DR.	FERGUS	ON	N1M 3P4	843-5562
VA3WCM	MABEE	WALTER	BOX 1021	NEW HAMBURG	ON	N0B 2G0	662-2102
VA3OMT	MacDonald	Ted	239 Arris Cres.	Mitchell	ON	N0K 1N0	348-8719
VE3IAP	MAKIN	BILL	1006-58 BRIDGEPORT RD. E.	WATERLOO	ON	N2J 4H5	746-6927
VE3CEZ	Marett	Glenn	796 Graham Bell Cr.	Milton	ON	L9T 3T2	(905) 876-4763
VE3GLU	MARQUARDT	PAUL	43 QUEENSDALE CR	GUELPH	ON	N1H 6W5	836-3835
VE2DC	Martin	Mel	897 Haute Riviere	Ste. Martine	PQ	J0S 1V0	(514) 427-2256
VE3AKI	Mathieu	Ken	609 Guelph St.	Kitchener	ON	N2H 5Y5	745-7017
VE3MTC	MATIC	JOHN	87 GEORGIAN CRES.	KITCHENER	ON	N2B 3N8	743-5235
VA3EGM	Mav	Edgar	P.O. Box 1	ELORA	ON	N0B 1S0	846-5732
VE3FMA	McCAULEY	FRED	118 FOREST HILL DR.	KITCHENER	ON	N2M 4G3	576-1056
VE3BM	McElroy	Bill	16 Dogwood Place	Cambridge	ON	N3C 2Z4	519-654-9573
VE3KVD	McKay	Thomas	121 Devon St.	Stratford	ON	N5A 2T8	
VA3MCK	McKIE	ROBERT	164 BROOKSIDE CR.	KITCHENER	ON	N2N 1H1	579-2333
VA3JHM	MEWES	JOE	504 EPHRAIM STREET	KITCHENER	ON	N2B 2C6	579-2865
VE3DWM	MICHALAK	DON	RR #1	DRUMBO	ON	N0J 1G0	463-5494
VA3LAW	MILLER	PETER	R.R. #1	ST. AGATHA	ON	N0B 2L0	634-5540
VE3YBM	MONTGOMERY	BRUCE	78 CHARLES ST.	STRATFORD	ON	N5A 5X7	271-7049
	Murohv	Vince	17 Juniper St.	Cambridge	ON	N3C 3A1	
VE3WRN	Nelson	Randv	197A Cedarvale Cr.	Waterloo	ON	N2L 4T3	884-2989
VE3KIN	Neuert	Dean	73 Liam Dr.	Ancaster	ON	L9G 4Y1	(905) 304-5283
VE3HQS	NIKELSKI	IRWIN	86 WILLIAM N	WELLESLEY	ON	N0B 2T0	656-2317
VA3WJO	Olechnv	Walter	14 Castlepoint Drive	Woodbridge	ON	L4H 1C1	905-265-9783
VA3ERF	O'ROBKO	FRED	229 CEDAR DR	TURKEY POINT	ON	N0E 1T0	426-7946
VE3DYY	O'ROBKO	GERRY	37 FOREST GLEN CRT	KITCHENER	ON	N2N 1E1	576-5611
VE3JVO	O'ROBKO	JEFF	37 FOREST GLEN CRT	KITCHENER	ON	N2N 1E1	576-5611
VA3LVO	ORR	VICTOR	37 ORCHARD MILL CR.	KITCHENER	ON	N2P 1T2	895-2088
VE3OFH	PARSONS	FRANK	387 KARN ST	KITCHENER	ON	N2M 2C2	742-6222
VA3KMP	PAULI	KEITH	803-135 CONFEDERATION DR	KITCHENER	ON	N2B 1W1	744-1673
VE3XNB	Pelling	Bob	301-235 Morgan Ave	Kitchener	ON	N2A 2M7	893-4712
VE3DEQ	PERRAULT	NORM	553 TEAKWOOD DR	WATERLOO	ON	N2L 4L5	884-0447
VE3AYZ	PIETREK	ARWED	209 OTTAWA ST. N.	KITCHENER	ON	N2H 3K9	579-5888
VE3JNP	Pond	Justin	123 King St	St. Jacobs	ON	N0B 2N0	664-2483
VE3WBX	REINHART	BRUCE	42 TROY ST.	KITCHENER	ON	N2H 1L8	744-5749
VE3SYJ	REITZEL	PAUL	111 SUNPOINT CR.	WATERLOO	ON	N2V 1T5	746-8291
VA3ERX	Riddell	Alex	368 Wellington St N.	Kitchener	ON	N2H5L2	
VE3AMZ	Riddell	John	451 Cedarcliffe Dr	Waterloo	ON	N2K 2J1	576-5858
VE3AOR	Riddell	Drew	38 Kingsley Cr	Waterloo	ON	N2L 1P7	886-5920
VE3MWE	Riddell	Marv	38 Kingsley Cr	Waterloo	ON	N2L 1P7	886-5920
VE3WFR	RIDDELL	BILL	368 WELLINGTON ST. N.	KITCHENER	ON	N2H 5L2	571-9785
VA3LRX	Ritza	Leonard	280 Forfar St. E.	Feraus	ON	N1M 2X7	519 -843-7604
VA3XTO	Ritzmann	Erich	101 Randerson Ave.	Kitchener	ON	N2H 3L8	
VA3LDA	ROBERTSON	LINDA	20 LOCUST STREET	KITCHENER	ON	N2H 1W7	742-9039

VE3TLG	ROBERTSON	EAN	20 LOCUST STREET	KITCHENER	ON	N2H 1W7	742-9039
VA3HFO	Robson	Kurt	RR #3	Port Rowan	ON	N0E 1M0	586-2280
VA3CLS	Ross	Hammy	32 Providence Dr.	Cambridge	ON	N3N 5P2	650-2452
VE3VEG	ROSS	ROBERT	40 EARL ST.	KITCHENER	ON	N2M 2V6	576-7410
VE3RKS	SANDERSON	ROGER	651 FERN ROAD	WATERLOO	ON	N2V 1G4	885-2122
VA3BNY	SASIFLA	BEN	567 MILL PARK DRIVE	KITCHENER	ON	N2P 1V4	748-0445
VE6SD	Saunders	Roy	72 Alison Ave. #108	Cambridge	ON	N1R 1N2	
VE3PQA	SCHAL	HARALD	377 Hillside St.	Waterloo	ON	N2K2P1	747-1128
VA3SKN	SCHATZ	KEN	3-116 PEEL ST. BOX 484	NEW HAMBURG	ON	N0B 2G0	662-1478
VA3DAS	SCHNEIDER	DAVID	38 GLENDALE RD.	KITCHENER	ON	N2H 2Z8	576-1292
VE3DOS	Schreiter	John	624 Mill Park Drive	Kitchener	ON	N2P 1W1	748-4871
VE3GIO	Schroeder	Larry	147 Waterloo St.	Woodstock	ON	N4S 2T3	539-8497
VA3DGS	Schwartz	Dave	215 Lincoln Rd.	Waterloo	ON	N2J 2P2	884-3594
VE3THG	Schwindt	Mark	32 Sabrina Cr.	Kitchener	ON	N2P1Y6	519-748-2099
VA3PNP	Seraas	Peter	237 Gueloh St. Unit 1	Kitchener	ON	N2H 5W9	519-742-9839
VE3JXX	SHEERINGA	JOHN	6 EAGLE DR.	ELMIRA	ON	N3B 3J1	669-8768
VE3ICD	SINCLAIR	DON	240 DAWSON ST	WATERLOO	ON	N2L 1S5	884-7200
VA3JCS	Smith	John	403 - 163 Thaler Ave	Kitchener	ON	N2A-1R4	894-4092
VE3HOO	SMITH	MAC	ROUTE 2	WELLESLEY	ON	N0B 2T0	
VE3RAQ	Smith	Bill	64-30 Green Valley Dr.	Kitchener	ON	N2P1G8	895-1308
	Solinger	Steven	115 Bluerock Cres	Cambridge	ON	N1R 7B7	519-658-1869
VE3AWN	Sovereign	Herman	R.R. #2	Drumbo	ON	N0J 1G0	
VE3TCK	Spike	Edward	239 Corrie Cr	Waterloo	ON	N2L 5W3	884-2129
VA3GGS	Steinacker	Glenn	15 Maple St. Box 284	Milverton	ON	N0K1M0	(519)595-8086
VE3RVS	STROUD	VERN	111 RUSKVIEW RD	KITCHENER	ON	N2M 4S1	743-9342
VA3BIQ	Stumof	Hubert	277 Hazel St.	Waterloo	ON	N2L 3P1	884-1581
VE3RBA	Sullivan	David	235 Hoffman Street	Kitchener	ON	N2M 3N5	743-7385
VE3MGT	Sutherland	Jim	138 Water St	St Jacobs	ON	N0B 2N0	519 664 2441
VA3ABM	SUTTON	JOHN	BEVERLY HILLS EST. 27. RR3	PUSLINCH	ON	N0B 2J0	905-659-1125
VE3FOT	SWEET	JIM	92 HALL ST	AYR	ON	N0B 1E0	632-7008
VA3DLT	TABBERT	DENNIS	108 Oxford St. West. Box 31	DRUMBO	ON	N0J1G0	463-9641
VA3PT	TAIT	PAUL	55 WAYNE DR	KITCHENER	ON	N2A 1M4	894-5019
VE3NEJ	TAYLOR	TERRY	27 BELLEVUE AVE	KITCHENER	ON	N2B 1G4	
VE3GTO	Tompkins	Grace	221 Corrie Cr.	Waterloo	ON	N2L 5W3	888-0336
VE3MTI	Tompkins	Michael	221 Corrie Cres.	Waterloo	ON	N2L 5W3	888-0336
VA3ALT	Trafford	Jeremv	161 Caledonia St. Unit 2	Stratford	ON	N5A 5W7	
VE3NEF	TUSTAIN	Rea	100 QUEEN ST. N. APT 1508	KITCHENER	ON	N2H 2H6	
VE3OAV	Varcoe	Robin	540 Vine Street	Cambridge	ON	N3H 2Y8	650-0846
VE3CMV	VEENHOF	FRED	50 SHEPHARD PLACE	NEW HAMBURG	ON	N0B 2G0	662-6021
VE3BBB	Waechter	Paul	1631 Marvhill Road	Breslau	ON	N0B 1M0	648-2431
VA3VCI	WALRATH	PAUL	191 GLENGROVE PL.	WATERLOO	ON	N2L 4W1	884-6561
VE3UTO	WARD	ALAN	76 DUDHOPE AVE.	CAMBRIDGE	ON	N1R 4T7	621-5743
VE3SNJ	WEBER	STEPHEN	336 BOXBURY DRIVE	WATERLOO	ON	N2K 1W2	886-0156
VE3UVR	WIRTANEN	DAVID	65 PAULANDER DRIVE. # 101	KITCHENER	ON	N2M 5A7	742-9253
VA3JDW	Woods	John	7 Walker St.	Elmira	ON	N3B 1Y1	669-3522
VA3TJZ	Zettler	Terry	82 Jane St.	St. Clements	ON	N0B 2M0	699-5674

< membership list updated as of December 21, 2001 >



Membership Form Please pass on to a non-member

One month prior to expiring the top line on your label will read "**Expires soon mm/yy. Please renew**" where mm/yy is the month/year of expiry. If you miss the first reminder the next months label will read. "**Expired mm/yy. Last bulletin**". Those members who receive their Kilowatter via the clubs Web site

will start to receive a bulletin by mail when their membership gets close to expiring. Members who do not renew at the meeting in which their membership expires will receive a personal follow-up mailing reminding them of what they are missing.

This will be the first year of renewals on the new system so a few glitches

may occur. Please notify your treasurer of any discrepancies that may occur.

Please cut out the following renewal form and enclose it with your payment as your renewal date comes due.

PLEASE MAIL TO: Kitchener-Waterloo Amateur Radio Club	
Box 34012 Highland Hills Postal Station; Kitchener, Ontario N2N 3G2	
First Name	Call:
Last Name:	
Address1:	Address2:
City:	Postal Code:
Phone Number: () -	Email Address:
Phone Number: () -	Birthdate: ___ Month ___ Day
This is a [] RENEWAL or [] NEW APPLICATION	Kilowatter Preference [] MAIL [] From WEB
<input type="checkbox"/> Full Membership @ \$20.00 + \$5.00 mailed Newsletter <input type="checkbox"/> Family membership adder @ \$5.00 <input type="checkbox"/> Seniors Membership @ \$10.00 + mailed Newsletter <input type="checkbox"/> Student or Challenged @ \$10.00 + \$5.00 Newsletter	<input type="checkbox"/> Associate (non voting) @ \$10.00. I am a member of the _____ Club.
NOTE: Phone Patch, IRLP and URL Network access are included FREE with each class of membership	
Comments:	
Total Amount Enclosed: \$	Your Cheque Number :

OUR SPONSOR

 <p>INFORMATION GATEWAY SERVICES</p> <p>Kitchener-Waterloo Cambridge and Guelph</p>	<p style="text-align: center;">Information Gateway Services (Kitchener-Waterloo) Inc. 151 Frobisher Dr., Suite E-118, Waterloo, Ontario, N2V 2C9</p> <p style="text-align: center;">Owner Operator : Don Sinclair VE3ICD</p>
Information Gateway Services (IGS) provides a complete range of Internet services ranging from entry level personal accounts for beginners, right up to the requirements of large commercial organizations.	
SPECIAL OFFER TO KWARC MEMBERS	
<ol style="list-style-type: none"> 1. No activation fee on standard personal accounts for KWARC members. A \$25.00 saving 2. \$50 per six months or \$75 per year paid in advance for 5 hours/month --- (extra hours at \$2.00 per hour). OR \$15/month \$150 year for 30 hours/month (<i>this popular package has just been increased from 20 hrs</i>) 3. UNLIMITED FREE time from midnight until 7am 4. One free KWARC e-mail address <i>urcall@kwarc.org</i> for KWARC members <i>No coupons or other discounts can be used in conjunction with these special offers to KWARC members ONLY.</i> 	
For complete details, call Don Sinclair VE3ICD at 884-7200	

Providing 56K Dial-Up to K-W, Cambridge, Guelph, Listowel, Stratford and Wingham

**PROVIDING UNLIMITED HIGH SPEED DSL SERVICE
STILL ONLY \$29.95/mo and new lower modem costs.
Call Mike or Don for details**