

# 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:** Dennis Tabbert VA3DLT

**PHONE:** 463-9641

**email:** va3dlt@rac.ca

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

## MONDAY'S MEETING

**Date:** Monday April 5<sup>th</sup> 2004

**Time:** 7:30pm

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

**Topic:**

## UPCOMING EVENTS

### Special Event Station - Ham-Ex 2004

Peel and Mississauga Amateur Radio Club's  
Starts on Saturday, March 20, 2004, Brampton ON

### Durham Region Amateur Radio Hamfest

North Shore ARC, South Pickering ARC  
Starts on Saturday, April 24, 2004, Whitby ON

### Skywide ARC Annual Spring Hamfest & Fleamarket

Skywide ARC  
Starts on Saturday, May 8, 2004, Etobicoke ON

### 20th Annual Smiths Falls Amateur Radio Flea Market

Rideau Lakes Amateur Radio Club inc.  
Starts on Saturday, May 8, 2004, Smiths Falls ON

### Amherstburg Hamfest

Amherstburg Radio Club  
Starts on Sunday, May 30, 2004, 91 Amherstburg ON

### Central Ontario Fleamarket & Hamfest

Guelph ARC & Kitchener-Waterloo ARC  
Starts on Saturday, June 12, 2004, Fergus ON

### Central States VHF Conference

The Ontario VHF Association ARC - VE3VHF  
Starts on Thursday, July 22, 2004, Mississauga ON

### Kitchener-Waterloo Amateur Radio Club

Annual Field Day Contest.  
Starts on Saturday, June 26, 2004,

## KWARC Directors 2003-2004

<b>President</b>	Ben Sasiela	VA3ST	748-0445
<b>Vice President</b>	Gord Hayward	VE3EOS	744-7205
<b>Past President</b>	Bill Graham	VE3ETK	576-3578
<b>Treasurer</b>	Dave Schwartz	VA3DGS	884-3594
<b>Secretary</b>	Larry Gorman	VE3LGN	884-6782
<b>Director</b>	Tedd Doda	VE3TJD	634-5949
<b>Director</b>	Hugh Baird	VE3IYG	684-7257

## The Executive Committee Chairs

<b>Program</b>	Bill Riddell	VE3WFR	571-9875
<b>Technical</b>	Tedd Doda	VE3TJD	634-5949
<b>Packet</b>	Tedd Doda	VE3TJD	634-5949
<b>Database Mgr</b>	Dave Schwartz	VA3DGS	884-3594
<b>Bulletin Editor</b>	Dennis Tabbert	VA3DLT	463-9641
<b>Edu. Co-Ord</b>	Ron Gimbel	VE3DBD	699-4488
<b>Chief Examiner</b>	Vern Stroud	VE3RVS	743-9342
<b>Auto Patch</b>	Ben Sasiela	VA3ST	748-0445
<b>ARES Manager</b>	Larry Gorman	VE3LGN	884-6782
<b>CANWARN Mgr.</b>	Ron Gravelle	VA3TVS	569-8746
<b>QSL Manager</b>	Gord Gibson	VE3NQG	893-5148
<b>Inventory</b>	Ben Sasiela	VA3ST	748-0445
<b>Field Day</b>	Bob Pelling	VE3XNB	893-4712
<b>Webmaster</b>	Paul Cassel	VE3SY	634-5139
<b>Bereavement</b>	Marg Cassel	VE3RE	634-5139
<b>Flea Market</b>	Hugh Baird	VE3IYG	684-7257
<b>QCWA Rep</b>	Harold Braun	VE3DWH	884-2388

## KWARC Owned Repeaters/Nodes

Mode	Call	Freq.	PL	patch	Location
Voice	VE3KSR	146.970	131.8	Yes	Baden Hill
Voice	VE3RCK	146.865	131.8	Yes	Manheim
Packet	VE3KSR-0	145.010			Baden Hill
Packet	VE3KWQ	145.090			Waterloo
Voice	VE3IXY	224.340	131.8		Manheim
IRLP	VE3RBM	444.875	131.8		Manheim
Echolink	VE3SED	53.370	131.8		Baden Hill
Voice	VE3SED	442.200	131.8		Baden Hill
Special Events		147.510			Kitchener

## 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
IRLP	VE3WFM	147.090	N		Waterloo
Voice	VE3WWW	146.835	N		U of W
Voice	VE3RSS	147.030	N	members	Acton
ULR Link	VE3BHR	447.075	Y		Baden
Voice	VE3RKL	443.850	N		Guelph
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 B
Voice	VE3BAY	442.350	Y		Kitchener

## Presidents Report for April 2004

Dear members



Spring has officially come to our region, at least on our calendar, but I'm afraid that old man winter still may be lingering around, so its not quite time to brave the cold winds and occasional show flurries to fix or install that outdoor antenna. The warmer months are still ahead of us, and with that, our annual club Field Day at Doon Pioneer Village, which this year is being co ordinate by Bob VE3XNB who has our hearty thanks for tackling this event. For those of you that attended our March meeting, we experienced an excellent presentation on both Echo link presented by Tedd VE3TJD and Bill VE3WFR. Both made several DX contacts through the computer and the local radio repeater in their demonstrations. Terry VE3NSV covered the operational aspects of IRLP and some of the differences of the two modes and current features available to ham operators. To our embarrassment, some difficulties marred the presentations due to a failure of the projection equipment, never the less, all presenters made due. Hopefully, in the near future, this glitch will be eliminated permanently. Thanks Fellows for the information and demonstrations and apologies for the glitches.

Our club has been approached to offer a talk on amateur radio to the local Kiwanis club in Waterloo. Past President Bill Graham VE3ETK and myself will represent your club at one of their meeting in mid March at the community center on Fr David Bauer drive. This will

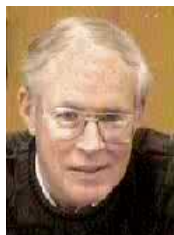
give us an opportunity to boast about KWARC and its members. The club is also involved through our ARES Manager Larry VE3JGN to participate on a limited scale with Op-Swan with the Regional Disaster Co ordination Center. . We'll provide you with a detailed report of our amateur radio contribution in the next newsletter.

On a interesting point, club member Don VE3ESE spend part of the month in CO8 land (Cuba) operating from station CO8DLT and could be heard evening checking into the Sandbox Net on 40 meters 7.062.5 Mhz, looking for news from our home town. We're expecting his return to VE3 land soon, no doubt with one nice tan and stories and pictures to share with us. I had the opportunity to have a brief "chat" with Don from the mobile last week, and informed him that we all miss his presence and excitement at our meeting. He wished all club members a great 73 from CO8 land.

I wish to thank the clubs executive team for all the hard work that is being done for the betterment of the club. Those also that provide us refreshments at meeting, record minutes at meeting, and offer countless hours of their own time being involved in Can warn, area Flea markets, distributing our flyers, contributing to our newsletter and many more volunteers behind the scenes. The work from all these volunteers helps to make us the great club that we are. Thanks Everyone

Ben Sasiela  
VE3ST  
Pres KWARC

## [KWARC Club Meeting Monday April 1, 2004 by Larry Gorman](#)



Meeting opened by President Ben VE3ST @7:45 PM with 48 members and guests present. Malfunction of presentation equipment delayed the start. The president announced the recent passing of another of our long time members, Brian Lowe VE3TJE. The meeting was then turned over to Bill VE3WFR, our Program Chairman who assisted Tedd VE3TJD in the first of two Voice Over IP presentations. These sophisticated but simple to operate systems are now available to all members of KWARC via VE3RBM (UHF) and VE3SED (VHF). EchoLink, as was explained by Tedd, is accessed by local radio (or a computer sound card), linked to a computer with dial up to a receiving computer with sound card, or a radio connect, at the other end. Thousands of nodes are now in the system. Previous arrangements had been made with Walt VE4OO in Brandon Manitoba for this demonstration. However, as an on screen menu of active node call signs is always available, connection to an operator anywhere in the world was possible. Bill's contacts were made demonstrating both radio to internet and computer only to internet. Walt was most accommodating to this demonstration and the reception was crystal clear. Anyone with a valid call sign can connect directly from home to the EchoLink network. Further information and instructions on joining can be found online at [www.EchoLink.org](http://www.EchoLink.org). Check it out. Next up was Terry VE3NSV to explain IRLP, an RF only mode using VE3RBM and private repeater VE3WFM. (See February Vol. 58 Issue 5 for Area Repeaters) IRLP requires a dedicated high speed link and this is provided by the repeater operator. Over 1255 nodes are in current operation. You can access them from your own radio by connecting to the repeater and dialing in the node code. Erich VA3XTO has programmed some shortcuts to simplify the use of some features. In some cases the repeaters are left in the open mode. So you can tune in to just listen or to chat. Some long time HF operators are forsaking their rigs for this

simple method of long range communications. No problems for apartment dwellers with antenna problems! An excellent source for more information on IRLP and EchoLink, will be found in the February 2004 edition of the Kilowatter, titled >>IRLP Node 2410 Updates<< Tedd and Terry were presented with certificates of appreciation by the Program Chairman. (see photos) After a short refreshment break the draw was held. Winner was Drew Riddell senior. The foursome Riddel family was well represented with son Drew jr. visiting from North Bay. We also had a mystery guest from VU land-India, who vanished during the initial delay! Hugh VE3IYG announced the upcoming local Hamfest-Flea Market in Fergus on Saturday June 12. We could use some short term help with Parking-contact is Tedd Doda, Gate receipts, (greeters?) is Larry Gorman, and Set Up. (See the club member list or the March/04 Kilowatter for contact info.) As about one third of ALL club revenue comes from our participation in this event, we would ask that you consider offering your support. More detailed information is to follow. In any case, plan to attend. Treasurer Dave VA3DGS, stated that are financial affairs are currently stable. Recently retired Kilowatter Editor Erich VA3XTO was thanked for his efforts in assembling and distributing our monthly newsletter. Dennis Tabbert VA3DLT has agreed to pick up the job for the duration. CANWARN Refresher reminder April 21 UoW Davis Building 7:30 pm Free parking and refreshments. Ministry weather experts will be with us to make a powerpoint presentation illustrated with action photos of some very dynamic weather. This is a great opportunity to see severe weather up close, and to ask questions. The general public is invited. Bring a friend, a spouse, and yourself!  
[www.kwarc.org/canwarn/index.html](http://www.kwarc.org/canwarn/index.html) has a map and more details.  
Adjournment 9:30 pm.

Minutes taken by Larry VE3LGN  
KWARC Secretary

## LADIES & GENTLEMEN by Bob Pelling



Spring is definitely in the air. The weather is warming up, the snow is melting. Soon it will be June. June brings with it ...FIELD DAY... After some thought and discussion with regards to moving our FIELD DAY sight it was decided that the benefits of DOON far outweigh the drawbacks. The discussion is still open for future FIELD DAYS, and any input would be most welcome. One change that is being seriously considered is moving at least some of the antennas off the

mobile tower. The idea is to reduce QRM by spreading the antennas around a bit.

The point of this message is however a call for BAND CAPTAINS.

Claim your position now while there are lots still available. At this time ALL bands are available.

PLEASE let me know. If there is anything else you wish to ask, or comment on regarding FIELD DAY let me know.

THANKS and lets have the best FIELD DAY ever.

VE3XNB@RAC.CA

73 Bob VE3XNB FIELD DAY coordinator

## KWARC EXECUTIVE MEETING 2 APRIL 2004 by Larry Gorman



Ratz-Bechtel Family Centre, 7:30 PM

Ben VE3ST, Dave VA3DGS, Hugh VE3IYG, Bill VE3ETK,

Tedd VE3TJD, Larry VE3LGN, Gord VE3NOK, Dennis VA3DLT.

Regards Gord VE3EOS, Bill WFR.

Almonte Youth Education Challenge: A letter was received asking for our support. Motion: "That KWARC donate \$100 to the RAC Youth Education Program." Moved by Ted, seconded by Hugh.

Much positive discussion. Passed unanimously.

Support for Radio Amateurs Canada: Gord Gibson queried the support that we give to our parent body. Individual members are strongly encouraged to support RAC. Question -Should the club be a dues paying supporter of RAC. Gord will investigate and report back on this.

Club Presentations: The issue of having appropriate AV equipment for our meeting presenters surfaced again. Twice this term alone the program has been severely curtailed by no show or malfunctioning projection equipment. VP Gord in absentia, asked President Ben to bring up the matter for discussion. It was pointed out that electronic media presentations were becoming more frequent and the older technology was not going to meet our ongoing needs. Past president Bill VE3ETK, presented some research on suitable equipment. Ed Com has access to some very reasonably priced LCD Video Projectors. It was calculated that it would cost about \$100 per day for rental of a similar unit. Purchase of a currently available "refurbished" unit under full warranty will be \$900 + taxes. We have the opportunity to try this out at Wing 404 before

making a commitment to purchase. After much discussion a motion was put by Ben and seconded by Tedd our technical director "That we purchase an LCD Video projector from Ed Com at the agreed price, subject to our complete satisfaction with the test results". The motion was passed unanimously. The unit will be stored in a secured location at Wing 404, complete with a special lock. This will complement the new screen and AV wiring work that the club has already installed in recent years.

Tech report: A concern re "fuzzy" quality of output on VE3RCK was investigated by Tedd. He was unable to detect the problem.

VE3RBM. All the executive is to be kept informed by the Tech Director of any plans for enhancing club repeater capabilities, and any other activities involving club repeaters. Dave Mused that we should consider designating VE3RBM as the club's experimental repeater.

Kilowatter: The president has requested that all Executive members assist Dennis in his new role as Editor to ensure a smooth transition. Be sure to get all reports in on time. Various of the executive expressed appreciation for Erich's work on the newsletter.

Discussion of the KWARC CANWARN pagers resulted in a motion put by Tedd "That the ARES Coordinator (Larry VE3LGN) have a recall of all club assigned CANWARN pagers for validation and reassignment from time to time" Seconded by Bill. Passed.

Editor Dennis suggested that an updated print copy of the club membership be published. The current list is rather dated. This will be done when space permits.

Meeting adjourned 9:15 pm.:

# ~~Kitchener Waterloo Amateur Radio Club~~ **KWARC on-line**

## **Our March 2004 Meeting**

photos and text by Paul VE3SY



Our guest speakers for the March meeting were Tedd VE3TJD and Terry VE3NSV.

Tedd gave an informative talk on EchoLink including several live demonstrations.

Tedd had all of the members who had never been on EchoLink gather around so they could see the PC screen as he made several contacts both via the PC and via radio via the VE3SED UHF repeater at Baden.

Following Tedd was Terry who gave a talk and demo of the new features on the clubs IRLP repeater VE3RBM. In both cases we used former club member Walt Gibbons VE4OO from Brandon MB as our demo station.

As you can see by the photo above there was a lot of interest. We were hoping to have an overhead projector to better display the PC screens however technical glitches prevented this from happening.



Terry VE3NSV (standing) and Bill VE3WFR demo some of the new IRLP features



### **Show Me The Money!**

Drew VE3AOR shows off his 50/50 draw winnings



Bill VE3WFR in EchoLink contact with Walt VE4OO (ex VE3ERX ex WA2FVR/VE3) now living in Brandon Manitoba

Terry demonstrated the IRLP lookup feature that allows anyone with a TouchTone pad to spell out a city

name and have the node information for that location read back to the caller.

As well, the automated text to voice weather script was demonstrated. With the entry of a 4 digit code, real time weather from any of 14 Ontario centres can be read back. At the top and bottom of each hour VE3RBM will notify listeners if any severe weather warnings are in effect telling the listeners what to do for more information.



Our guest speakers Terry Green VE3NSV (L) and Tedd Doda VE3TJD (R) were thanked by Club program Director Bill VE3WFR and presented with certificates of appreciation.

## [Tech Report for April, 2004](#)



Greetings: We've only had one technical issue for the last few months. A very large 60 amp fuse (see picture) that feeds all the equipment from the 12 volt battery bank at the Baden site

failed. I have ordered a few 100 amp fuses to keep nearby. This fuse is only there to protect the battery bank during a short circuit condition.

Unfortunately, there may have been some hidden repercussions. Two of the four TNC's on the KSR stack have been damaged due to over voltage. This was most likely caused by the Staticon not having a load (remember the blown fuse?). The Staticon is the charger which keeps the 500AH battery bank all topped up. Without the batteries being connected, the output would have some wild voltage swings, and could have gone past the 16 volt maximum of some of the equipment. Hopefully the TNC's are the only things that were damaged. Your Tech Committee will be keeping a close eye on the situation.

I was going to continue with the packet radio tutorial, but seeing that we are having some equipment issues, I'm leaving this for a future date. I have



people who have requested access to the packet BBS using TELNET, but please be patient, as the older software doesn't seem to like the new computer hardware that I'm trying to use.

That's it for this month. Best 73, Tedd, VE3TJD  
Technical Chairman of the KWARC.

1  
7

## Submitted by Paul Cassel



WAVETEK MODEL 1701 VHF/UHF SWEEP GENERATOR covers all TV channels 2-83 C/W Manual Was working but appears to have possibly Power supply issue? ADVANCE Model 03-256 SCOPE One of the members from Coffee Club gave me the following

equipment for sale.  
WAVETEK MODEL 1701  
VHF/UHF SWEEP GENERATOR 10 MHz DUAL TRACE C/W Manual  
Was working but now appears to have possibly Power supply issue?  
CONTACT GORD HENRY 885-5954

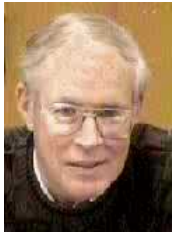
## The Treasurers Report Dave Schwartz



Not a lot of change since what you see in the minutes of the last meeting. We made our traditional \$100 donation to the CNIB Amateur Radio fund plus \$25 for each of our active members who went SK last year: Mac Smith VE3HOO, Bob McKie VA3MCK and Ed Carey VE3BSK. We also made a \$100 donation

to the RAC Youth Education Program. The executive has also approved the expenditure of an amount of money that will enhance our meetings for those who can attend. Maybe more on this elsewhere in this issue or next month. Current balance (March 19/2004): \$4423.17.

## Antenna Rules of Thumb Submitted by Larry Gorman



Everyone loves a thumb rule. We all use them, but often we don't know which ones to trust. Here is a useful collection of thumb rules which are, when you read them, mostly common sense:

Any antenna is better than no antenna!

Take all the time you like reading, chatting, or searching on the internet. Until you actually put up an antenna you're not on the air. Don't agonize over the choice, get something up quickly and try it.

Particularly if you're working with wire you can try different things and experiment until you find something that works without spending too much money. An SGC Smartuner makes it possible to try a wide variety of antennas using nothing more than wire. Higher is better. The higher you can get your antenna, the better it will be. Outside is better. Some of us are limited to indoor only antennas, but anything you can do to get outside will improve your antenna's performance. Longer is better. More wire on the antenna will generally make it a better radiator up to a point. As it starts to get over 2 wavelengths long, it becomes highly directional. Most beginners will be happier with a dipole. A dipole has excellent performance and doesn't require much in the way of installation savvy. No other antenna is as simple to erect and use. A Smartuner can make it into a multiband antenna as well. You can't have too much RF Ground. When your antenna needs an RF Ground, more is definitely better. The key is RF Impedance, keeping this to a minimum between the point you connect to the RF Ground and the ground itself. A huge RF ground connected to the RF Ground point on your Smartuner with a wire with a high impedance at your operating frequency is like having no RF Ground at all. It doesn't matter what wire you use. Within limits, whether you use thick or thin wire, insulated or

bare, high priced copper or low grade copper, performance won't change much. Certainly, all of these factors have an effect, but it is small compared with just getting on the air. If you're facing restrictions on a permanent antenna, consider a temporary one.

You may get better performance from a temporary antenna you can rig when you need it than from a permanent one that you have to compromise so heavily with that it barely gets a signal on the air. Most single band antennas can be made into a multi-band antenna with the addition of a coupler. An 80 meter dipole can be tuned from 160 to 6 meters by an SG-237 Smartuner with no adjustments to make.

Select a frequency and transmit. This applies to loops, dipoles, long wires and so forth.

\* Antenna projects in magazines and books never work as advertised. Any antenna installation depends on where and how you install it. An 80 meter dipole installed 10 feet over the ground will perform differently than one that's 100 feet in the air. Experiment with any project before you make it permanent. Homemade antennas are better than commercial ones. Often they are because you can make your antenna into exactly what it needs to be. At the very least, before buying a commercial antenna, you should test your antenna configuration with wire to be sure it will perform the way it is supposed to. Antennas don't change much. Even old antenna books have a lot going for them. Find a used book store and see if you can locate an old ARRL Antenna Handbook. If you can't afford a new one, the old one will still have more things than you can try in a lifetime. SGC's book "HF User's Guide", has an overview of the issues related to HF installation and operation and includes a section on antennas. You can download a copy from our web site <http://www.sgcworld.com/>



Gordon J. Gibson  
 102 Grand River Blvd.  
 Kitchener, Ontario, N2A 2T1  
 CANADA

email: ve3nqk@kwarc.org

PSE QSL TNX

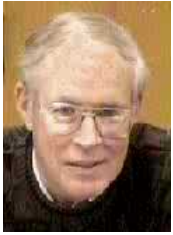
CONFIRMING OUR 2WAY QSO WITH STATION	DATE DD/MM/YY	TIME U.T.C	FREQ. MHz	UR REPORT	MODE USED

By now the new ham has been on the air . He has made his first DX contact . Whether it is across the country or across the world. He receives his first QSL card. He looks at it and decides , he is going to reply. BUT what does he do ?? He looks through the magazines , and sees ads for cards. the cost being \$100.00 CDN for 1000 cards. What does he put on his card ?? I was fortunate to have the help of 2 fellow amateurs .Garry VE3XN , who took the picture and Paul VE3SY, who did the layout and the artwork. All was forwarded to UX5UO , Gennady Treus (ux5uo@i.com.ua) in the Ukraine. The card layout was sent as a jpeg. After exchanges, by email , the final proof was approved. A cheque was sent to his mgr. K4YL , in Flat Rock NC. 3 to 4 weeks later I received ,my 1000 cards. They are full colour on the front with my callsign ,and a picture of my shack. On the back it has my information. ie name address etc. The beauty of this was the cost. It was \$62.00 USD. Post paid to my door. A lot of members noted the quality of the cards. In fact , others have also ordered from Gennady. So QSL cards can be purchased reasonably. I am very happy with my cards , as others that have ordered from him. ( <http://www.ux5uqsl.com/index.html> ) If you wish to see his product and get quotes. >

Gord Gibson VE3NQG /VE3RGG

## Exercise Swan Song-2004

Tuesday 23 March, 2004: Temperature +25C;



snow flurries and a cold wet wind. Definitely not swan weather. The Region of Waterloo ran its Annual Emergency Disaster preparedness simulation -Even as we arrived at the Frederick St headquarters a major trans-provincial pipeline line had been ruptured, and a raging

fire was burning out of control in the normally quiet little community of Ayr.

The situation was further complicated by a SW wind blowing poisonous fumes over the town. And, if that was not enough, a local storm drain feeding into the nearby Nith river provided a potential conduit for liquid runoff entering the Grand R. downstream. Besides managing a major fire, 500 people had to be relocated and fed.

Over 40 participants involving all levels of Government were engaged in the management of this disaster. Fortunately, cool minds prevailed

over the various frantic situations. The KWARC Amateur Radio Emergency Services team was in the midst of all this activity. Our primary assignment was to monitor and to assist where possible in the communications centre, as well as to interact with the Social Services group.

Following an 8:30 Am check in, the scenario rolled out to a successful conclusion, well before lunch time. With the last of the problems defused, all members adjourned to the Rotunda, for a wrap up analysis. The objective of this exercise was to test out the responsiveness and cooperation of the many agencies involved in managing possible problems which might develop in Waterloo Region. We appear to be in good hands. Hopefully we will never move beyond the exercise stage. Thanks to Ben VE3ST and Dave VE3DUA who assisted me in this important, but fun event. Larry VE3LGN KWARC Emergency services

## A morning with the Kiwanians.

On Wednesday morning, March 24, our club President Ben VE3ST, and Past President Bill VE3ETK spoke at the meeting of the Waterloo



Laurel Club of Kiwanis International, which is held at the Waterloo Recreation Center. The subject, of course, was Amateur Radio and we had an audience of about 25 members. Ben introduced the subject and gave a

broad overview of what we do and the fun we have making friends around the world. He also spoke about the value of mobile amateur radio, recounting his harrowing trip to Pennsylvania. The Kiwanis were a fine audience with lots of questions, and we found one member who could send Morse at 20 WPM \_ wow! Now there is someone who should be a Ham. Bill picked it up from Ben and talked about the types of equipment we use and the many facets of the hobby; from chatting, to Dxing, to building your own equipment, to the emergency and public service we provide. Questions were asked about how to become a Ham, and so there was an opportunity to plug our club course, explain the

levels of licensing and how even the beginner can talk to people in other countries through systems like IRLP and Echo Link. We were able to pass around the book of QSL cards collected by VE3IC



(our club call) thanks to Gord Gibson VE3NQG, and a lot of the members could be seen Ooooooing and Ahing at the many rare places represented. Ben returned to the microphone with the hope of giving a demonstration of Echo Link, but his attempts were somewhat thwarted by a lot of the steel in the building. However, VE3TJD Tedd came back with a report of our noisy DTMF tones and Ben was able to have a QSO with Tedd for the group. All in all an enjoyable morning, with warm thanks from our new Kiwanis friends, to whom we extended an invitation to our meetings.



"Your home is probably the most important investment and the single largest piece of equity you own. That's why I know you would want to deal with a person who puts your interests above all else. In dealing with changes in your Real Estate ownership, Buying, or Selling, call VA3MRJ for professional Real Estate service."

**David Johnson**, Sales Representative  
Coldwell Banker Peter Benninger Realty  
508 Riverbend Drive, Kitchener  
742.5800 ext. 2169  
David-Johnson@coldwellbanker.ca



**SOLD**

## KWARC Membership Renewal

Please cut out the following renewal form and enclose it with your payment as your renewal date comes due. When You enter the birthday information, just your month and day are needed.

<b>PLEASE MAIL TO:</b> Kitchener-Waterloo Amateur Radio Club Box 34012 Highland Hills Postal Station; Kitchener, Ontario N2N 3G2	
<b>First Name</b>	<b>Call:</b>
<b>Address1:</b>	<b>Last Name:</b>
<b>City:</b>	<b>Address2:</b>
<b>Postal Code:</b>	<b>Email Address:</b>
<b>Phone Number: (    )    -</b>	<b>Birthday:    Month    Day</b>
<b>This is a [ ] RENEWAL or [ ] NEW APPLICATION</b>	<b>Kilowatter Preference [ ] MAIL [ ] From WEB</b>
<input type="checkbox"/> Full Membership @ <b>\$20.00</b> <input type="checkbox"/> Family membership adder @ <b>\$5.00</b> <input type="checkbox"/> Seniors Membership @ <b>\$10.00</b> <input type="checkbox"/> Student or Challenged individuals @ <b>\$10.00</b>	<input type="checkbox"/> Associate (non voting) @ <b>\$10.00.</b> I am a member of the _____ Club. <input type="checkbox"/> Printed Kilowatter Newsletter "Mailed" @ <b>\$5.00</b>
<input type="checkbox"/> Phone Patch use @ <b>\$5.00</b> per family member	Speed Dial number request: _____
<b>Comments:</b>	
<b>Total Amount Enclosed: \$</b>	<b>Your Cheque Number :</b>



## INFORMATION GATEWAY SERVICES

Kitchener-Waterloo Cambridge and Guelph

Information Gateway Services  
(Kitchener-Waterloo) Inc.  
151 Frobisher Dr., Suite E-118,  
Waterloo, Ontario, N2V 2C9

Owner Operator : Don Sinclair VE3ICD

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

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 (*this popular package has just been increased from 20 hrs*)
3. N E W . . . . Now get **UNLIMITED FREE time** from midnight until 7am
4. One free KWARC e-mail address *urcall@kwarc.org* for KWARC members  
*No coupons or other discounts can be used in conjunction with these special offers to KWARC members ONLY.*

**For complete details, call Don Sinclair VE3ICD at 884-7200**