

Kilowatter

The voice of the KW Amateur Radio Club

December 2008

Since 1922

Kitchener-Waterloo Amateur Radio Club

133 Weber St. N. Suite #3-138

Waterloo, Ontario

N2J 3G9

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MONDAY'S MEETING

Date: Monday December 1st, 2008
Time: 7:30pm
Place: RCAF Wing 404 Club. End of Dutton Dr. Waterloo. Off Weber St. N.
Topic: Christmas Social and Awards

UPCOMING EVENTS

Lunch Bunch Christmas Lunch December 19, 2008 King's Buffet	KWARC January Meeting RCAF Wing 404 Club. Waterloo. Monday, January 5, 2009
KWARC February Meeting RCAF Wing 404 Club. Waterloo. Monday, January 2, 2009	Big Event 31 - Flea Market and Hamfest Niagara Peninsula Amateur Radio Club, Inc. Saturday, February 7, 2009 St. Catharines, Ontario
Burlington Spring Flea Market Burlington Amateur Radio Club Saturday, February 28, 2009 Burlington, Ontario	Central Ontario Hamfest & Fleamarket GARC & KWARC Saturday, June 6, 2009 Fergus, Ontario
Field Day Location to be announced June 27/28, 2009	

KWARC Directors 2007-8

President	Dennis Tabbert	VA3DLT	463-9641
Vice President	Ben Sasiela	VE3ST	
Past President	Bob Pelling	VE3XNB	885-9995
Treasurer	Don Fisher	VE3ESE	578-7328
Secretary	Ken Willmott	VE3MIX	894-1737
Director	Tedd Doda	VE3TJD	513-0377
Director	Gord Hayward	VE3EOS	744-7205

The Executive Committee Chairs

Program	vacant		
Technical	Tedd Doda	VE3TJD	513-0377
Packet	Tedd Doda	VE3TJD	513-0377
Database Mgr	Dave Schwartz	VA3DGS	699-6296
Bulletin Editor	Gord Hayward	VE3EOS	744-7205
Edu. Co-Ord	Ron Gimbel	VE3DBD	584-2009
Chief Examiner	Vern Stroud	VE3RVS	880-8862
Auto Patch	Ben Sasiela	VE3ST	
ARES Manager	Larry Gorman	VE3LGN	884-6782
CANWARN Mgr.	Ben Sasiela	VE3ST	
QSL Manager	Gord Gibson	VE3NQG	893-5148
Inventory	Ben Sasiela	VE3ST	
Field Day	Gord Hayward	VE3EOS	744-7205
Webmaster	Dennis Tabbert	VA3DLT	463-9641
Bereavement	Marg Cassel	VE3RE	634-5139
Flea Market	Dennis Tabbert	VA3DLT	463-9641
QCWA Rep	Harold Braun	VE3DWH	884-2388

KWARC Owned Repeaters/Nodes

Mode	Call	Freq.	PL	patch	Location
Voice	VE3KSR	146.970	131.8		Baden Hill
Voice	VE3RCK	146.865	131.8		Mannheim
Packet	VE3KSR-0	145.010			Baden Hill
Voice	VE3IXY	224.340	131.8		Mannheim
IRLP	VE3RBM	444.875	131.8		Mannheim
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	VE3ERC	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	VE3RSS	147.030	N	members	Acton
ULR Link	VE3BHR	447.075	Y		Baden Hill
Voice	VE3RKL	443.850	N		Guelph
Voice	VE3ZMG	145.210	N		Guelph
Packet	VE3VIQ	145.570			Guelph
TCP/IP	VE3MKY	145.570			Guelph
Voice	VE3BAY	442.350	Y		Kitchener

** ATTENTION ** ATTENTION ** Late Breaking News Flash!!!**

Our annual Christmas Luncheon HAS BEEN reinstated, due to the diligent efforts of Marg & Jean!! Thank you ladies!! Here are the details: Fri. Dec 19th 11:30 a.m. King's Buffet, 509 Wilson Ave, Kitchener (Toys R Us plaza). Pay \$15/person at the door. This includes taxes, tip & coffee/tea. 15% discount for those 65+. For more info or door prize donations, please contact: Marg Cassel VE3RE 519-662-4589 OR Jean Gimbel 519-584-2009

The Pres Sez



Well it looks like Mother Nature is making winter stay early this year...brrrr. Snow, ice, snow days, shoveling, snowmobiling, etc...all the fun stuff!

So with that in mind, I hope you are prepared for emergencies that can happen quite quickly. Make sure your emergency kit is readily available in your vehicle. Contents should include: battery-powered radio, LED flashlight, blanket, booster cables, fire extinguisher, first aid kit, bottled water, non-perishable foods, maps, tire repair kit, car shovel, traction mats &/or sand, and flares.

I have an NOAA Weather Radio that monitors severe weather and I programmed it for my surrounding area. You should tune in to your local radio &/or TV station DURING ANY STORM OR WEATHER WARNING. The weather radio I use transmits any/all Environment Canada weather forecasts &/or warnings...very informative device.

Here's hoping the weather will hold out this time for the Monday, December 1st meeting. If you do recall, last year's meeting had to be cancelled due to a snowstorm. Please monitor VE3KSR at 6:00 p.m. if the weather is bad that day. This is our annual Christmas get-together so please bring some goodies & some non-perishable items for our Food Bank donation.

Happy Holidays to all & I hope to see everyone at the meeting!

Best 73 for now,

Dennis Tabbert VA3DLT

Prez, KWARC

I came across this quick reference card on the internet. Here's the link:
http://www.emoares.org/ares_card.html It may be helpful to some!



ARES Ontario Province-Wide Net Schedule

updated May 19 2007

The purpose of these nets is to establish and maintain an network of stations and group representatives for all districts in the Province and to train stations in preparation for communications exercises or events requiring the support of the Amateur Radio Emergency Service.

Sunday

13:00 hrs: ARES H.F. (7.153MHz)

15:00 hrs: ARES H.F. (7.055Mhz)

19:15 hrs: ARES H.F. (3.742MHz)

20:00 hrs: ARES IRLP (via reflector 9005)

Wednesday

20:00 hrs: ARES IRLP (via reflector 9005)

Thursday

20:00 hrs: ARES VHF/UHF/IRLP (Procom Net)

The [Provincial Communications Net](#) (Procom) would be used for Province-wide emergency communications, the following list of repeaters and IRLP reflectors connect all Ontario Sections;

Escarpment Repeater Association

-VE3WIK 443.675 (131.8Hz) Carlisle

-VA3WAJ 442.425 (107.2 Hz) Niagara

-VE3SNM 442.850 (136.5 Hz) Balentrae

-VE3SED 442.200 (131.8 Hz), 53.370 (131.8Hz) Baden

-VA3WIK 444.900 (156.7 Hz) Singhampton

YYZ Network

-VE3YYZ 443.050 (103.5 Hz) Toronto

-VE3PLF 444.725 (107.2) Fonthill

-VE3MXR 444.975 (103.5) Cobourg

Southern Ontario Repeater Team

-VE3TTT 147.180 (114.8 Hz), 442.300 (114.8) London

-VE3SUE 444.400 (114.8 Hz) London

-VE3TCB 146.940 (123.0 Hz) Thedford

-VE3SRT 442.050 (123.0 Hz) Greenway

-VE3OBC 146.910 (123.0 Hz) Goderich

-VE3WWD 443.075 (123.0 Hz.) Whitechurch

Crossroads IRLP Reflector

-IRLP Node 9206

-Note: During Emergencies IRLP Node 9207

Kitchener Waterloo Amateur Radio Club

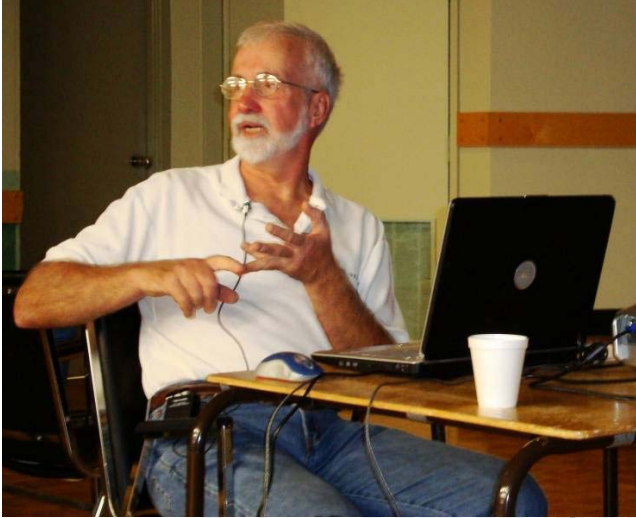
November 3, 2008 Meeting Minutes

CALL TO ORDER: 7:45 p.m. by President Dennis Tabbert VA3DLT

ROLL CALL OF MEMBERS: 30 present

Introduction of Speaker- Dennis

Speaker: Dave Knight VE3PMT spoke about his experiences as a ham while living and working in Florida. Dave took us through his experiences, first while operating under his Canadian call, then the process of acquiring his US calls, finally becoming known as WN4F.



Dave contributed to Amateur Radio during his time in Florida, by becoming a volunteer examiner, becoming involved in emergency nets such as the American Red Cross Simulated Emergency Tests and at the National Hurricane Center. Eventually, Dave became the Emergency Coordinator for Gilchrist County in Northern Florida.

Dave's public spirit was evident throughout his talk and presentation. He did state that he was just "paying his dues". In doing so, Dave provided an excellent example for all of us.

President Dennis presented Dave with a plaque in appreciation of his presentation.

Coffee Break was called at 8:50 p.m. The meeting was called back to order at 9:15 p.m.



Gord Gibson VE3NOK presented Stephen Mercer VE3BWH in recognition of his first HF contact at Field Day. Gord also announced that the club has recently received the ARRL certificate for Worked All Continents.

A cheque for \$1 234.49 was presented to Treasurer Don Fisher VE3ESE, for the club's share of the flea market proceeds. It was noted that the flea market is still booked into the Fergus Community Center for next year, but a search is being made for a new location, as the cost for use of the facility is rising.

Ron Gimbel VE3DBD, reported on his visit to the QCWA convention. A good time was had by all.

Linda Hayward spoke about the December meeting, which is our annual social. Once again, club members and their families are welcome to attend. Please bring some goodies to share with the good company, as well as non-perishable food items for the Food Bank.



A question was raised from the floor about the date for the Christmas Lunch. The date is Friday December 12, at 11:30 am. The location is the Transylvania Club. Tedd VE3TJD is still looking for door prizes. Tickets will be available at the next meeting.

Tedd reviewed that a new 100A-h battery was purchased for the VE3RCK repeater and a smaller capacity battery was donated by Ben VE3ST for the VE3IXY repeater.

Adjournment was moved and seconded by Mary VE3AOR and Bill VE3WFR. Adjourned: 9:28 p.m.

The 50/50 Draw was made by Dave VE3PMT and won by Linda VA3LWH.

[Kitchener Waterloo Amateur Radio Club](#) [Executive Meeting Minutes, Nov 2, 2008](#)

Present	Tedd Doda VE3TJD	Gord Hayward VE3EOS
	Don Fisher VE3ESE	Dennis Tabbert VA3DLT
	Ben Sasiela VE3ST Secretary	
Regrets	Bob Pelling VE3XNB	Ken Willmott VE3MIX
Guest	Nick Waterman VA3NNW	

Meeting Called to order at 7.30 pm by Pres. Dennis

Item 1: Dennis read a letter from Mike VE3OGE detailing the finances from the Central Ontario Flea Market results of this year in Fergus Ont.

Mike explained the shortfalls and rising expenses of having this venue in Fergus. It has been suggested to look elsewhere to have the ham fest starting in 2010 year. We have committed Fergus for June 6 2009, but anticipate that this would be the last year there. A suitable reasonably priced facility bordering the 401 corridors would be ideal. Several suggestions came forth and are to be explored by KWARC members for feedback to the ham fest committee.

Item 2: Awards Presentations at KWARC

Don Fisher is arranging for club trophies to me ready for presentation at the Dec General Christmas gathering of KWARC. Presented will be (a) Field day Award (b) Amateur of the Year Award (c) Past Pres Award, plus others. Photo's to follow this event.

Item 3: The club seeking another examination, and it has been suggested that David Knight VE3PMT to be approached to fill this void presently in our club.

Item 4: Christmas Lunch Brunch to be held on Dec 12th at the Transylvania club starting at 11.30 am, Get your tickets for this popular gathering from Tedd VE3TJD at the next club meeting. If you were able to provide some door prizes, they would be welcomed.

Item 5: Club Insurance Coverage

The executive reviewed the existing policy and found it to be adequate for our needs. We need to eliminate coverage at the Marshland Center, as this site no longer houses club packet equipment. Due to change of ownership, the club has lost this site.

Item 6: We have received correspondence from one of the executive members indicating that due to their personal work commitments and varying work related personal schedules, they would be unable to continue to attend and participate in both the regular and exec meeting of the club. This unfortunate situation leaves a void in the operation of the exec responsibilities and duties and creates a gap in maintaining a quorum at exec meetings. The exec members therefore solicited assistance for a replacement for the duration of this year's term.

Motion:

Motion presented by Gord Hayward, 2nd by Don Fisher to accept Nick Waterman VE3NNW as a member of the kwarc exec's without portfolio to fill the gap for the duration of this year's term.

Discussions: These appointments to be temporary till the duration of this term of office 2008/2009

Vote by those present. Unanimous

Item 7: General Club Banking.

Our club treasure, Don VE3ESE, recommended that we change banking institutions to take advantage of reduced bank charges that the club incurs. Don to investigate other banking facilities and benefits and report to the exec committee in Dec 2008 meeting. Some of the institutions offer modest interest on deposits, which ours at this time, does not. Money saved is money useable by the club.

Item 8: December Christmas gathering Ideas

Tedd Doda to provide background Christmas music

Ben to provide punch bowl refreshments

Linda Hayward, festive table covering, coffee, plates etc

Non-Perishable items will be collected for the waterloo food bank again this year.

Tentative Program Schedule for the remainder of the year suggestions:

January	Scanners by Terry Green VE3NSV	February	Show-n-Tell Evening
March	Ric Doernor Computer Security	April	Dana Shtuntn 50M and above
May	ARES/Canwarn by Larry Gorman	June	General Elections

Motion to Adjourn

Tedd Doda 2nd by Nick Waterman

Meeting adjourned at 8.50 pm,

[QCWA News "Fred Hammond Chapter 73"](#)



The Fall meeting held at the Mohawk Inn held Nov 8th had an attendance of about 66 members & guests. Guest speaker was Erik Meth VE3EI who gave an excellent presentation of the new digital system D-Star for UHF & VHF.

D-Star was developed by the Japanese & is developing in the major cities in USA & Canada. Users connect to a local repeater then via the internet to many repeaters world wide using a digital mode. Go to www.dstarusers.com for an active list of users and more info. If you are planning to buy a new dual band transceiver he suggested check out the features of transceiver capable of also using D-Star.

Chapter 73 will be conducting a weekly net on CQ-100 beginning Thursday Dec 4th at 11:00 AM on 3773. Everyone is welcome to check in & say "hello"

Check for details on getting going on CQ-100 elsewhere in this issue of The KILOWATTER & see a demonstration on www.qsonet.com

Hammond Museum of Radio Activities Report (Highlights from the Curator- Noreen Irwin-Hann)

- The early Wireless Section has been re-organized using more shelving & bookcases. Many early items that were in storage are now being displayed.
- Re-Organization of the Amateur Radio Section The new display incorporates station set-ups pairing radio equipment that was meant to work together such as receivers, transmitters, microphones & speakers. In addition to the usual manufacturers some home brew equipment is now on display.
- Curators Corner has added to the website. Check it out at www.hammondmuseumofradio.org
- The Marconi display showcasing some of the radios manufactured by Canadian Marconi is back by popular demand.
- Len Hammond's Tube. This tube has been located after nine years in storage and will soon have a special place in the Museum. It is the only tube manufactured in Guelph by Hammond Mfg.
- Some major collections of equipment have been acquired recently. Scott Guthrie donated over 100 radios and Alan Bauld of Burlington donated his complete collection of 38 Heathkit pieces.
- In her Report Noreen indicate at least 11 groups have toured the Museum in the past year. Among others this included London Amateur Radio Club., Vintage Chevrolet Club of Ontario as well as Scout/Cub and school groups.

The Museum is located at 595 Southgate Drive in Guelph and is open for self conducted tours during normal office hours Monday – Friday. For conducted tours contact the Curator at 1-519-822-2960 (ext 252) or via the web site.

QCWA Chapter 73 – “On the Air”

Well.... not really on the air but on “virtual” amateur radio with the CQ-100 transceiver. At the November meeting I suggested we try to get a Chapter 73 net going again, this time on “virtual radio”. Years ago we had a weekly net going on 75 metres. Several attempts have been made to re-establish the net but band conditions & other factors resulted in it's demise.

Using this new method developed by VE3EFC Doug in Thunder Bay allows any one with a computer to “play” amateur radio. Of the VoIP systems I've seen it the one most like real radio & works from anywhere in the world that has internet access either dial up or high speed. There are no firewall issues that restrict the use of some other modes.

Go to www.qsonet.com to learn all about it & download the program. It is free for 90 days & then costs 32.00 USD per year. You will need to send Doug a copy of your licence before he will authorize you to download the program. Just scan your licence & attach it to an e-mail. Properly licenced amateurs usually received the OK within hours.

You will need a computer, desk top or lap top with at least Windows 2000, XP or Vista. Doug tells me there are some issues & it will not play with Window 95 or 98.

Let's try for Thursday, Dec 4th at 11:00 AM local time on 3773 kHz.

If you have any comments or suggestions let me know.

REMEMBER THAT'S ON THE CQ-100 Transceiver NOT real radio.

Harold VE3DWH

(hbrown@kw.igs.net)

What Is It?



Last month, the device (on the left) was a Weston cell. This is basically a very accurate battery used as a voltage standard. One leg is

filled with mercury and the other a cadmium amalgam (that's a solution of cadmium in mercury). It produces 1.0183 volts with a small change with temperature. Nobody got it right, but quite a few suggested it might be a mercury switch.

This month the device we have several devices, all performing the same function. What are they?



AMATEUR RADIO AND LEGISLATION RESTRICTING COMMUNICATION DEVICES IN MOTOR VEHICLES

Is Amateur Radio under assault from the Ministry of Transport?

We have all heard varying reports of how the proposed legislation, Bill 118, will impact on Amateurs in Ontario and their ability to communicate when mobile. This could be particularly critical to Amateur Radio Emergency Services (ARES) in an emergency situation. Our member supported advocate, Radio Amateurs Canada, has been proactive in representing our concerns to the Ontario Government. The following message should come as a welcome piece of information.

The proposed Government of Ontario legislation, Bill 118 re communication devices in moving motor vehicles has only passed first reading at this time. Radio Amateurs of Canada as our national voice has expressed our concerns in regards to Amateur radio.

The Ministry of Transport is working to address problems associated with the lack of attention associated with the use of cell phones and other messaging devices. Many people are totally engulfed with these devices while driving.

MTO is also aware of all stake-holders that have two way radio equipment in vehicles, both commercial and non. Radios used for taxis, buses, tow trucks, courier services and construction companies as well as truckers with CB's and Amateur equipment.

Examples of great concern include persons text messaging while driving with their elbows as they are typing on a PDA; Or the fellow who was actually caught recently by a police officer, with his laptop set up on the dash of the car typing a letter before he arrived at work, while doing 120 k down the 401; Or the person who is talking on the cell phone and never checks the rear view mirror or side windows.

A person talking on a radio using simplex communication is not seen as a serious concern unless totally distracted in the operation of the vehicle. In this case an officer can already lay a charge of careless driving.

RAC President Dave Goodwin has written to the Minister of Transport on behalf of all Amateurs expressing our concerns. He will also be meeting with top officials in the near future.

AI VE3AJB as Ontario Section Manager and a concerned police officer has been in contact

with MTO policy writers who prepare legislation for the minister to sign. His impression is that two-way radio communications including Amateur radio will likely be exempt from this new law.

"The government is aware of the importance of Amateur Radio thus allowing us a reduction in the cost of call sign license plates because of our public service. This law will still allow AM/FM radios, CD players and even GPS devices on the windshield and dash."

Bottom line is that if a communication is of such great importance that you will need to be distracted, then pull off the road and do it. This will be permitted under the new proposed law. If it is just a rag chew conversation on the way to and from work or out for a drive, depending on how the law play out, this may not be an issue.

Allan Boyd is the Ontario Section Manager for Radio Amateurs of Canada and a 28 year senior police officer with the Ontario Provincial Police.

The above edited message is printed with permission.

Larry VE3LGN

Emergency Services Coordinator, K-W ARC

Short Items

Don't forget the breakfast gatherings: Saturday mornings at Angels in the plaza at Lawrence and Highland, Monday mornings at Benny's at Weber and Lodge in Waterloo and the Wednesday morning coffee gang at Luther Village. All start at about starting about 9 and last about an hour (or two). No agenda or formality, just good food and conversation.

Please keep saving Zehr's tapes and bring them in to the meetings. Zehr's donates a portion of the amount to the Club for the purchase of equipment and community activities. We are grateful to Zehr's for this community service. Marg, VE3RE, is the volunteer who amasses, counts and submits these tapes.

Residential Phone Wiring:

"The two wires that comprise a phone-line pair are named 'tip' and 'ring,' because they connected to the tip and ring of a patch cord plug used by telephone operators long ago. Residential lines used to have green tip wires and red ring wires. Now green is a ring color and red is a tip color in multi-line installations."

Gord, this info is "INCORRECT" ! The green wire is always the "TIP" or (+) side of the line and the red wire is always the "Ring" or (-) side of the line. In multiple cabling, it starts with white - Blue, white - Orange....etc... The white in this case is the "Tip" I don't know where this guy got his info but he sure is wrong !
John, VE3AMZ (In the Tel biz for over 45 years)

A comment on the proposed act:

Under the highway traffic act, you can be charged with careless driving if found that you were fiddling with anything in the car. (Confirmed via my contacts with the regional police). Many years ago, my wife experienced just that, trying to retrieve a toy for my very young son, the toy had fallen in the car and the kid began to make a fuss, in her attempt to retrieve the toy she, rear ended another car at a stop, thus not only charged with following too close, but also with careless driving. Hey!! that was 30 years ago.. :o)) so the tools are still there for police to make charges as they see fit weather your using a handy, mobile mike, CB, GRS, or anything else for that matter. If you're not paying attention to what you're doing, and cause an accident, be prepared to take the heat.
Just my opinion.. :o)) Ben

David Johnson
 dbjohnson@rogers.com
 519-579-4110
 Office
RE/MAX[®]
 Twin City Realty Inc.,
 Brokerage
 Sales Representative

I HAVE MOVED!

My Real Estate Business is now located at
 Remax Twin City Realty Inc. Brokerage
 901 Victoria St. N, Kitchener
 I look forward to meeting you at
 the new location.

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.

PLEASE MAIL TO: Kitchener-Waterloo Amateur Radio Club 133 Weber Street North, Suite #3-138 Waterloo Ontario N2J 3G9		
First Name	Call:	Last Name:
Address1:	Address2:	
City:	Postal Code:	Email Address:
Phone Number: () - - - - -	Birthday: <u> </u> Month <u> </u> Day	
This is a <input type="checkbox"/> RENEWAL or <input type="checkbox"/> NEW APPLICATION		Kilowatter Preference <input type="checkbox"/> MAIL <input type="checkbox"/> From WEB
<input type="checkbox"/> Full Membership @ \$20.00 <input type="checkbox"/> Family membership adder @ \$5.00 each <input type="checkbox"/> Seniors Membership @ \$10.00 <input type="checkbox"/> Student or Challenged individuals @ \$10.00		<input type="checkbox"/> Associate (non voting) @ \$10.00. I am a member of the _____ Club. <input type="checkbox"/> Printed Kilowatter Newsletter "Mailed" @ \$10.00
Comments:		
Total Amount Enclosed: \$		Your Cheque Number :

 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 <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	