

Kilowatter

The voice of the KW Amateur Radio Club

January 2009

Since 1922

Kitchener-Waterloo Amateur Radio Club

133 Weber St. N. Suite #3-138

Waterloo, Ontario

N2J 3G9

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

MONDAY'S MEETING

Date: Monday January 5th, 2009
Time: 7:30pm
Place: RCAF Wing 404 Club. End of Dutton Dr. Waterloo. Off Weber St. N.
Topic: Scanner basics with Terry Green, VE3NSV.

UPCOMING EVENTS

<p>KWARC January Meeting RCAF Wing 404 Club. Waterloo. Monday, January 5, 2009</p>	<p>Big Event 31 - Flea Market and Hamfest Niagara Peninsula Amateur Radio Club, Inc. Saturday, February 7, 2009 St. Catherines, Ontario</p>
<p>Burlington Spring Flea Market Burlington Amateur Radio Club Saturday, February 28, 2009 Burlington, Ontario</p>	<p>HAM-EX 2009 HAMFEST Mississauga and Peel Amateur Radio Clubs Saturday, March 28, 2009 Brampton, Ontario</p>
<p>Durham Region Hamfest (33rd Annual) North Shore ARC & South Pickering ARC Saturday, April 18, 2009 Whitby, Ontario</p>	<p>Smiths Falls Flea Market, Celebrating 25 Years Rideau Lakes Amateur Radio Club inc. Saturday, May 9, 2009 Smiths Falls, Ontario</p>
<p>Central Ontario Hamfest & Fleamarket GARC & KWARC Saturday, June 6, 2009 Fergus, Ontario</p>	<p>ONTARIO HAMFEST 2009 Burlington Amateur Radio Club Saturday, July 11, 2009 Milton, Ontario</p>

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	VE3NQK	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

The Pres Sez



Greetings to all.

The Christmas Party was as usual enjoyed by all. Many thanks to our organizers and to Jerry (DYY) for warming up the ivories.

Looking back on the year, financially we're in good shape. Paid up membership is down a bit, but thanks to all the committee members for their efforts.

Don't forget the Basic ham course starts on April 16th 2009, please contact Ron Gimbel to register 519-584-2009 or [at rongim@sympatico.ca](mailto:rongim@sympatico.ca).

A get well soon goes out to Bill Graham, he is probably wearing out the tuning dial, hi hi.

Many thanks to Gord Hayward, for the newsletter and his monthly boat anchor articles.

From what I heard the annual Christmas luncheon, was a success, even though we had very poor driving conditions that day, Thanks to Marg and Jean.

Hope to see everyone at the January meeting, Terry Green is giving an interesting presentation on radio scanners, so please bring a friend for this special evening.

That's it for now

73, Dennis Tabbert VA3DLT

President KWARC

KWARC Web Site General Summary

For what it's worth, here are the stats for the club web site for December. The site is busy!

(Figures in parentheses refer to the 7 days to 27-Dec-2008 02:45).

Successful requests: 224,718 (55,101)

Average successful requests per day: 8,605 (7,871)

Successful requests for pages: 48,898 (12,353)

Average successful requests for pages per day: 1,872 (1,764)

Failed requests: 182 (35)

Redirected requests: 29,105 (6,983)

Distinct files requested: 3,359 (2,806)

Distinct hosts served: 7,661 (2,261)

Data transferred: 2.200 Gbytes (550.889 Mbytes)

Average data transferred per day: 86.288 Mbytes (78.698 Mbytes)

[FREQUENCY CHANGE FOR CANADIAN TIME STATION CHU](#)

After 70 years of broadcasting Canada's official time, the National Research Council's shortwave station CHU will move the transmission frequency for the 7335 kHz transmitter to http://inms-ienm.nrc-cnrc.gc.ca/time_services/shortwave_broadcasts_e.html 7850 kHz. The change goes into effect at 0000 UTC on January 1, 2009.

Broadcasting 24 hours a day, CHU is a part of NRC's system for disseminating official time throughout Canada. Listeners hear tones to mark the seconds, a voice to announce the time in French and English and digital data to set computers. The atomic clocks at CHU are part of the ensemble of clocks in the time and frequency research laboratories at the National Research Council Canada in Ottawa. The NRC clocks are used in conjunction with clocks in the time laboratories of other countries to construct the internationally accepted scale of time, UTC (Coordinated Universal Time). Time transmissions on 3330 and 14670 kHz are not affected and will continue as before.

In April 2007, the ITU reallocated the 7300-7350 kHz band from the fixed service to the broadcasting service. Since then, the NRC said there has been a lot of interference on the 7335 kHz frequency from many information broadcasters around the world. "CHU listeners in Canada and around the world who have for so long considered the 7335 kHz frequency exclusively for time signals, are very vocal about this interference," said Raymond Pelletier, Technical Officer at the NRC-Institute for National Measurement Standards, who oversees the CHU facility. "We have heard from Amateur Radio operators, watchmakers, astronomers and navigators who use the tones and voice signals. We also received comments from those who use the carrier as a calibration source at a distance for their equipment."

Pelletier noted that a leap second will be added at the end of December 2008. http://inms-ienm.nrc-cnrc.gc.ca/faq_time_e.html

This will be indicated in the digital code until the time of the leap second. DUT1 will go from -0.6 to +0.4 seconds and will be indicated by double tones near the start of the minute and in the broadcast code. http://inms-ienm.nrc-cnrc.gc.ca/time_services/chu_e.html.

Communicated via e-mail by John, VE3AMZ

[Kitchener Waterloo Amateur Radio Club](#)

[December 1, 2008 Meeting](#)



The December meeting was a social gathering with pot-luck munchies and great fellowship. There was a brief formal part where announcements were made and awards presented.



Jean (VE3CBQ) announcing the Christmas Lunch location and detail (more in the net article).



President Dennis presented the Amateur Of The Year award to Gord, VE3EOS who wasn't present. Lynda, VA3LWH, Gord's XYL accepted the award on his behalf.

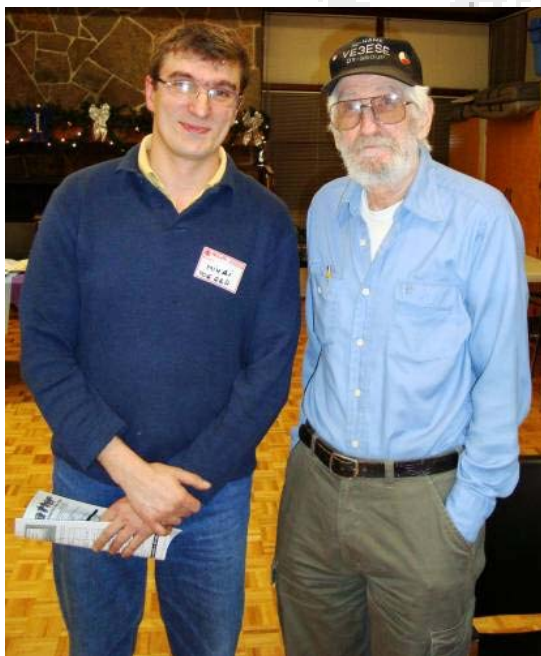
Editor's note: Unfortunately I was giving an exam that night so I couldn't attend, but I want to thank everyone for the award which was completely unexpected. It is a great honour.



Gerry, VE3DYY followed tradition and provided some live music. His contribution is always appreciated by all.



Hams in OSO – definitely in the Christmas spirit.



Don, VE3ESE with a visitor from afar – Miuai YO6GPB (Romania)



Ron, VE3DBD won the 50/50 draw

Kitchener Waterloo Amateur Radio Club
Christmas Lunch



In spite of the storm 27 people came out for the Annual Christmas Lunch, this year held at King's Buffet. (The picture is in Marg (VE3RE) and Jean (VE3CBO) did a great colour!) job in organizing the event



Pictures by Lynda VA3LWH

What Is It?

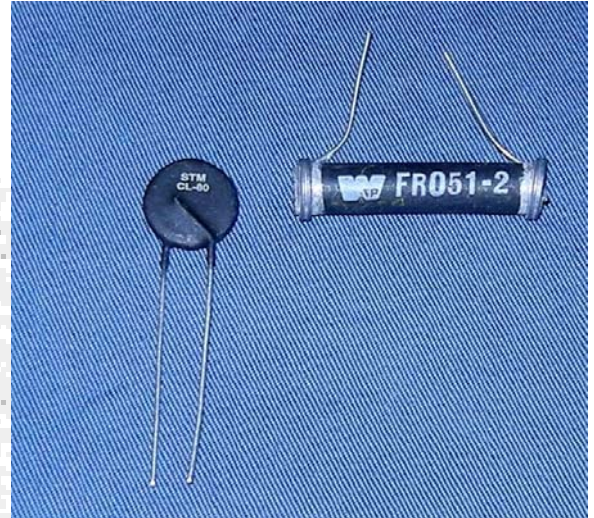


Last month (left), the devices were operational amplifiers. The big yellow one is a tube model made by Philbrick, the big name in early op-amps. It's a plug in unit with 2 12AX7 dual triodes. The smaller unit with transistors on a circuit board is a later model also made by Philbrick. Both were used in analog computers. The small can is a modern op-amp used in a wide variety of circuits. The one shown here is

an LM308 general purpose unit. Don, VE3ESE got them all right.

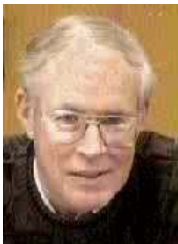
This month (right), the devices are commonly used in older radios. As usual, I'll publish the best guess as well as some of the more amusing ones.

If you have an obscure part or assembly, send me a picture and I can use it – I'm sure some of you have neat things to stump the readers.



ARES IN ACTION

Amateur Radio Emergency Service in Florida



Dave VE3PMT/WN4F has returned to K-W after a long absence. His full time job took him to Florida where he became very active in local amateur radio as an ARES EC. With the dynamic weather experienced in that state Dave gained considerable experience in dealing with County, Red Cross and National Hurricane Centre traffic. Dave has offered to share more of his insights on emergency operations in an area where Amateur Radio Emergency Services (ARES) plays a very critical role.

A reminder during the unusual mix of severe weather we are experiencing this winter. Keep your mobile tuned to a local frequency as you travel, and don't hesitate to pass along weather and other pertinent information. There are "listeners" out there.

Larry VE3LGN

EC, K-W Amateur Radio Club



Dave writes:

"As most of you know I lived in Florida from early 2000 until the beginning of September 2008. One of the items I found quite different from Ontario, was the number of hams that participated in emergency operations, Simulated Emergency Tests (SET), local and statewide ARES nets.

Of the 67 Counties in Florida, most have their own Emergency Operations Center (EOC) and all but a few have VHF/UHF ham radio communications equipment and Hams to operate the equipment. Many EOC's even have HF equipment that allow local Emergency Management direct contact to the State EOC in Tallahassee (State Capital), more on this later.

County Emergency Managers (EM's) seem to be able to find funds for amateur radio equipment. Many counties have VHF/UHF equipment installed in hospitals and some of their regularly used emergency shelters. These stations are not just installed in the large hospitals, but also in small hospitals that are in areas prone to communications outages, such as coastal areas. In times of local, regional or state wide emergencies these stations are manned by hams to pass health and welfare traffic. And when necessary could be used to parallel the Police or Fire communications system, such as during Hurricane Katrina.

Having hams and stations setup at shelters relieves a large load off the often overloaded commercial emergency frequencies. The hams report back to their local EM giving situation reports (SitReps) and any requests for supplies. Most of the shelters are also staffed with volunteers from the American Red Cross (ARC). We also provide communications for them back to their regional offices.

In the case of an emergency where the availability of food is severely limited, the affected counties setup Points of Distribution (PODs). Hams are positioned at these POD's to send SitReps back to the EOC to keep EM's apprised of the availability of supplies. Hams also ride along with trucks when moving goods from the main POD to a POD in another part of the county.

I mentioned earlier about HF as being used at many EOC's. This gives the EM's the ability to communicate straight through to the State EOC to give SitReps and to ask for assistance. This takes place on the 75Metre band on 3950 khz with an alternate frequency of 7242 or 7254 khz when propagation on 75 meters is poor.

Everyday at 9:00am Monday through Saturday the Amateur Radio Emergency Communications net takes place. A roll call of stations takes place which includes the State EOC ham station (WA4EOC). WA4EOC is located right in the EOC and gives EM's direct contact with the State and even the Governor. One of the edicts that hams follow is to contact the State EOC when ever there is an emergency that would garner public attention. We had a simulation recently that I participated in where a toxic gas was released at the Swamp (University of Florida Football stadium) which affected 2,000 individuals and took in medical facilities over 3 counties. Hams where dispatched to the Stadium and affected hospitals. Hams also made contact with the State EOC and passed along SitReps to keep the State and Governor informed of the simulated emergency. There's nothing like keeping the boss informed, right?

As I said at the beginning of the article, because of the all too common Hurricane and weather events that occur in Florida, Hams in that state are very involved in the ARES program."

David Knight
WN4F/VE3PMT

David Johnson
dbjohnson@rogers.com



519-579-4110
Office



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:
Address1:	Last Name:
City:	Address2:
Postal Code:	Email Address:
Phone Number: () -	Birthday: Month Day
This is a [] RENEWAL or [] NEW APPLICATION	Kilowatter Preference [] MAIL [] 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

- No activation fee on standard personal accounts for KWARC members. A \$25.00 saving
- \$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)
- N E W Now get **UNLIMITED FREE** time from midnight until 7am
- 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