

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

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MONDAY'S MEETING

Date : Monday March 4th 2002

Time : 7:30pm

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

Topic : **Doug Ralph VE3RT on Industrial Espionage**

OUR SPEAKER

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

And don't forget about the April meeting, a chance to show off your latest project, or maybe an old one that you resurrected. If you have an interesting item, hopefully amateur radio related, then we would like to see it. I am also hoping one of our members will speak to us on antennae solutions for apartment dwellers.

2002 MEETING LINE-UP 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

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

JUNE8 The Central Ontario Hamfest in Fergus

June 22-23 Field Day to be held again at Doon Pioneer Village.

Upcoming FleaMarkets

HAMEX 2002
Peel and Mississauga Amateur Radio Clubs
Starts on Saturday, March 23, 2002,
Brampton ON

Durham Region Amateur Radio Hamfest
North Shore and South Pickering ARCs
Starts on Saturday, April 27, 2002,
Whitby ON

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.

Those on-line can check your record from the Home Page by

placing your call in the club roster search field. 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	David Johnson	VA3MRJ	746-8939
Director	Ben Sasiela	VA3BNY	748-0445
Director	Larry Gorman	VE3LGN	884-6782

The Executive Committee

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Membership Chairman	Bill Graham	VE3ETK	576-3578
Technical	Ben Sasiela	VA3BNY	748-0445
Packet Users	Larry Gorman	VE3LGN	884-6782
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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

Tone Frequencies (PL) for above are all 131.8

Other Area Repeaters/Nodes

Mode	Call	Freq.	PL	patch	Location
Voice	VE3SY	147.570	Y	S I M P L E X	Petersburg IRLP
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 IRLP
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

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

Last Months Meeting "Case of the Missing Guest" by Bill Graham VE3ETK, Vice President

Our guest speaker was to address the subject of lightning protection. Unfortunately he was unable to attend due to layoffs at his company, who were a prime resource for his presentation material.

Our Program Chair Dave VE3MRJ acted swiftly and provided us with a selection of video tapes, all of them related to Amateur Radio. After a brief show of

hands it was decided we'd look at the ZL9CI Campbell Island Dxpediton documentary.

When I worked in television we sometimes got the second reel of the movie up on the projector first. We had a little accident like that, but no matter, it was an enjoyable show. I even thought that, like a good desert, we had the best part last.

Intermission was in the form of our regular coffee break. Dave commented that he was going to bring popcorn but realized it would get all over the floor, and then who'd be left to clean it up? So, never fear, even when a guest speaker gets cancelled we all have a good evening anyway..

The Prez Sez

Dennis Tabbert VA3DLT President KWARC



Greetings to all,

Looking out the window this sunny afternoon, spring is just around the corner! The Nith River is overflowing its banks, a sure sign that winter is over, a better prediction

than Wiarton Willie! Some much needed antenna work may be needed for all of us. ! It is almost time to climb the tower and give it a once over.

The Manheim site which houses the IRLP repeater is humming along with its

new controller-repeater replacement. Thanks to the Tech committee few problems were found in the change-over.

The next project for the Tech committee is the replacement of old faithful, the KSR repeater and controller. The repeater has been purchased and the controller is on order. By what Ben tells me, it should arrive shortly. Ben will fill us in on its options at the Monday meeting

We have a few changes to the Executive Board and Executive Committees.

Dave VA3MRJ has taken on two additional tasks; He is now a member of the board of directors, taking over the secretary position for the remainder of

the term. Also he is the newest member of the Technical committee, that gives us three active members in that committee, the other two being Ben Sasiela and Tedd Doda.

Ron Gravelle will remain active as the Canwarn Mgr.

Many thanks go to Paul Cassel for his efforts to secure funds through the sale of donated equipment on Ebay. this has enabled us to purchase the needed replacements to KSR.

Hope to see everyone at the Monday meeting, don't forget to say hi!

Best 73

Dennis Tabbert VA3DLT
President K.W.A.R.C.

Thank You Randy! An open note to Randy Mawson from Ron VA3TVS our CANWARN co-ordinator

February 07, 2002

Mr. Randy Mawson
VE3TRW.



Firstly, I would like to take this opportunity to personally thank you for what you have done to train and prepare the amateur radio operators in the art of severe weather recognition. I'm of course referring to the CANWARN severe weather program, in which amateur radio operators (HAMS) radio storm reports to their regional Net Controller, who forward this information our weather service. These

accurate reports have helped Environment Canada issue timely warnings of approaching imminant severe weather in order for the public to take safety precautions.

Unfortunately, the last two violent F4 tornadoes happened before we had a storm spotting program in place. As you know, they were the 1979 F4 Woodstock and 1985 F4 Barrie touchdowns, so the need for the program was obviously there and still is. The 1985 twister was the last "big one", so it is only a matter of time before we get another one. Over the years, our spotters

have relayed hundred's of reports, from wind to hail to even tornadoes. As a matter of fact, we have had 8 F4 tornadoes on Southern Ontario soil.

Rest assured, through the past training and ongoing CANWARN advisory efforts of yourself, together with current CANWARN training done by Mr. Paul Robertson, VE3HFQ from Chatham, our spotting and reporting program will continue to provide the assistance that our weather service relies on.

'73, Ron VA3TVS

Executive Committee Meeting Minutes

Recording scribe Ron VA3TVS

Meeting started at 7:30pm by Dennis Tabbert VA3DLT, Attended by:

President Dennis Tabbert VA3DLT
V.P Bill Graham VE3ETK
Treasurer: Dave Schwartz VA3DGS
Secretary: Ron Gravelle VA3TVS
Tech Chairman: Ben Saselia VA3BNY
ARES Manager: Larry Gorman VE3LGN

With Consultants & Guests:

Paul Cassel VE3SY, Consultant
Dave Johnson VA3MRJ, Consultant
Tedd Doda VE3TJD, Guest
Bill Riddell VE3WFR, Guest

Dave Schwartz, Treasurer, started the meeting off by announcing the budget. We have \$3,360 in the bank, \$242 of which is in petty cash.

Paul Cassel, VE3SY, announced that he has been searching for a G.E. Master 2 Controller (he found two, one will be a spare) and that from recent listings on E-Bay and from private equipment sales, we can add \$2,000 to our total budget, some of which will go for the purchase of these 2 G.E. repeaters and new Controller for KSR, while Ben Saselia, VA3BNY, put a motion on the floor to buy these G.E. Master 2 Controllers at a cost of \$600. Bill Graham seconded this motion and Tedd also recommended we buy both as they are a good buy. The Executive members voted unanimously in favour for this purchase.

Ben Saselia described in detail a replacement controller for KSR, after which he put a motion on the floor, this was seconded by Dennis, VA3DLT. Ben is recommending a Rack Mounted CAT-1000 Controller with Windows interface, complete with Digital Voice Recorder (DVR) and weather radio options, valued at \$2,200. This is a needed and excellent upgrade to KSR. Ted Doda, VE3TJD, commented on this Controller's capabilities

and will order the controller on behalf of KWARC, as all Executives voted in favour of this purchase.

Ben would also like for the members who haven't as of yet, get their picture taken (Ben has a digital camera) for our database. So at the next meeting, smile for the camera. Dennis asked Ben if a volunteer was lined up for Field Day, nothing as of yet, so contact Ben at va3bny@rac.ca if you are willing to help with this very good and exciting event. Bob McKie, VA3MCK, might be able to shed some light on the subject (we hope).

Ben also announced that Dave Johnson, VA3MRJ, has volunteered to assist our Technical Committee when the need arises.

Dennis Tabbert, VA3DLT, wanted to clarify a possible legal matter. Dennis put a motion on the floor stating:

"No KWARC member shall install any personal equipment at a Commercially owned KWARC site without "prior written unanimous approval of the KWARC Executive Board" and any and all such equipment, if approved by the Board, shall be installed under the direction of the Technical Committee", OR, "Any member shall be able to make a private agreement, at a KWARC site, between the site owner (Landlord) and themselves to install privately owned equipment, by getting "prior written permission between the site owner (Landlord) and themselves, subject to indemnify KWARC", and that the site owner (Landlord) is responsible for the installation of the agreed personal equipment".

This was seconded by Bill Graham, VE3ETK, and all Executives were in favour of this ruling.

Bill Graham, VE3ETK, also mentioned our club's history, 80 proud years, back to 1922 and listed officially as of 1923. A grand achievement. We'll try to do something

special, maybe combining Field Day with Communications Day. Stay tuned...

Ron Gravelle, VA3TVS, has regretfully resigned as KWARC Secretary because of health concerns. Not many of you know but Ron has been suffering from a spinal condition called "Spondylolisthesis" Bill Graham, VE3ETK, mentioned a special thank you for Ron's contributions as Secretary. Bill also motioned that Dave Johnson, VA3MRJ take on the remainder of Ron's term. Dave Johnson, VA3MRJ, accepted the role of Secretary, effective immediately, this February 05th 2002, which was seconded by Larry Gorman, VE3LGN. A special thank you goes out to Dave Johnson from Ron Gravelle.

Ron will stay on as the CANWARN Co-ordinator, as this position is seasonal, and will assist in Net Control operations during this upcoming summer, but mentioned that help would be needed and much appreciated during a Net. Ron has also offered to train any and all KWARC Net Controller's in the art of NEXRAD radar and visible satellite interpretation.

Ron would like to thank the Board for their assistance and experience and for the opportunity to sit on your KWARC Executive Board as Secretary if only for a somewhat of a short while. Together, acting as a team, we can make KWARC even stronger in the future. I thank you all.

Meeting Adjourned at 9:30pm?

Minutes of February 4th 2002 KWARC Meeting.

Recording Scribe was Bill VE3ETK

The meeting was opened at 7:42 PM 34 people were present at roll call.

Bill VE3ETK requested unused keys and Advanced Amateur study guides from the members.

Hugh VE3IYG informed all of needs for the Flea Market to be held Sat. June 8/02 at the Fergus Community Centre.

Paul VE3SY spoke briefly about the GE Master II he had set up for demonstration, along with at CAT 500 controller. This is to be installed at VE3RBM site, which is used primarily for IRLP. The unit is identical to two that are on hold awaiting a decision at the Executive Meeting for purchase to replace (and serve as standby) the old VE3KSR equipment.

Ron VE3DBD spoke briefly about the Basic Amateur Course to start April 2/02 at St. Mary's High School. Ron handed out fliers for distribution.

Dave VA3MRJ announced that because of his recent layoff our guest speaker no longer had the resources needed to be our guest speaker for the evening. Instead Dave provided us with a

selection of video tapes, all on ham radio subjects. The assembly chose the ZL9CI Dxpedition to Campbell Island, so at 7:55 we watched part II of this tape. At the end we had our usual coffee break. Part I followed.

The 50/50 draw was won by Bill VE3WFR with a prize of \$17.50.

At 9:25 Dennis VA3DLT announced a motion to provide Hugh VE3IYG with an advance of \$100.00 for Flea Market prizes. Dave VA3DGS (Treasurer) pointed out that this should be a float, as per our agreements with Guelph, that an advance this year could easily become a permanent matter. The membership was assured that this was a one time only situation. The motion was carried by a marginal vote, with a large number of abstentions.

Upon Dennis' invitation Ben VA3BNY spoke about replacing the VE3KSR controller with a CAT 1000 unit, making a mention of funds raised through E-bay. He moved acceptance of this expenditure \$500.00. Larry VE3LGN seconded the motion.

Dave VA3MRJ addressed the group that

this motion was misplaced, that this was the wrong forum, as the matter was already under progress with the Executive. Dave then moved to table the motion, which was seconded by Marg VE3RE and carried.

Paul VE3SY clarified the motion made by the Executive at it's last meeting regarding the Equipment Replacement Fund using funds from Estate Sales and via E-bay. It became clear that there was already more than enough money in the fund to cover the proposed controller and two GE Master II repeaters presently on hold for KWARC. The Executive will conclude its motion on this and the results reported to the membership.

Ron VE3DBD asked at what dollar amount the Executive was required to bring a vote on expenditures before the general membership. No one had an answer, and the Minutes or previous meetings will have to be searched.

A motion for adjournment was made at 9:35PM

Normal ISS packet activity expected to resume from RAC web news



On February 21st ARISS announced that within the next few days the Expedition Four crew will upgrade the ARISS packet system with a new module that was sent up on the STS-105 Discovery mission on August 10, 2001. The ARISS International team expects that the new system should be operating by February 25. The old system, crippled with a dead backup battery for RAM, has been operating in

digipeat mode using the NOCALL call sign and other ROM defaults

The new module, using the callsign RS0ISS, will use a specially developed ROM with the standard ISS defaults, a new battery and an extended memory (up to 1 meg). Although the mailbox function will be activated, hams are discouraged from using it. Currently there is no computer hooked up to the packet module. In addition, the crew will be much too busy to respond to messages posted there.

Frequencies will remain the same:

uplink on 145.99 MHz; downlink on 145.80 MHz.

The installation and checkout of the packet module has been a great team effort between the Russian team, led by Sergej Samburov, RV3DR and the U.S. team. Over the past month, the team have developed a set of crew procedures that have been reviewed and approved by many specialists at Energia and NASA. The team's dedication and persistence on this effort will, hopefully, payoff with a more capable packet radio system on ISS.

ARES UPDATE

by Larry VE3LGN

I recently visited the Regional Office for Social Services, Emergency Response Planning, and was impressed with the work that they are engaged in.

The documents I picked up have the K-W Amateur Radio club identified in several key areas where our assistance may be needed.

This brings up the question. Will we be up to the task? Can our emergency coordinator count on your help should we be called into a situation where Amateur radio may be the only means of maintaining links.

New York, which had developed one of the worlds most sophisticated emergency

management plans previous to the ultimate attacks, had to revert to Amateurs when the command centre, located in the World Trade complex, was wiped out. Amateurs working almost from scratch, served as an admirable model of how radio operators could pitch in.

The Canadian Red Cross is currently training key provincial ARES coordinators, in emergency procedures as related to vital services.

In the near future we expect to participate in a small scale simulation in the Region.

Perhaps it is time to approach your boss

about the possibility of community service, in the remote possibility of a serious situation. This spring our club will again be offering a course for potential new Amateur Radio operators. In an emergency it would be invaluable to have a family team of licensed Amateurs to work in one of the community emergency centres. In most cases these would be established in public buildings such as local churches and schools. Can we count on you?

Larry VE3LGN
KWARC ARES Emergency Coordinator

As you will read in Ben's VA3BNY tech Report, the Directors have authorized the replacement of VE3KSR using funds raised from our recent and future auctions on eBay.



With the proceeds from the Heathkit auction, the club has acquired two identical 100 watt Continuous Duty GE MASTR II repeaters. One will be our main new repeater and the other will be for a spare. Ben has also placed on order the CAT-1000 repeater controller that has many bells and whistles that will

provide great service to the membership for many years to come.

To-date we have raised about \$2,000 and currently have raised an additional \$727 from the following auctions on eBay:

Mirage 160 watt VHF amplifier .surplus KWARC equipment **Sold for \$272.00**

Heathkit tube tester donated by Bill VE3WFR **Sold for \$85.03**

Kenwood TS120S from the estate of Ollie VA3OL **Sold for \$364.00**

Johnson MatchBox from the estate of Art, VE3IYN **Sold for \$xxx.00**

Viewstar Tuner donated by Bill VE3AUJ of Woodstock **Sold for \$xxx.00**

When the new VE3KSR is in place and has had a good work-out the club will then auction off the old VE3KSR to raise additional funds for the clubs Capital Technical Fund

If all goes well we can expect to see the new KSR in place before spring.

If you have any equipment that you wish to donate to the VEKSR project, please contact Paul VE3SY at 634-5139 or Paul@ve3sy.com

Shack of the Month**KWARC Member - Gord Hayward VE3EOS – Bridgeport Ont**

This month we are pleased to feature the shack of Gord VE3EOS. You may think that Gord was sitting in someone's museum for this picture but no, this is Gord's set-up. Gord is an active boat-anchor collector that he uses as his mainstream on-air station. Don't look for Gord in the normal SSB portion of the bands as you will most likely only hear him in the various AM windows such as 3880-3890 KHz.

Amongst the goodies at Gord's operating position is a Geloso Receiver, Collins R392 military receiver, a highly modified 19 set and numerous E.F. Johnson transmitters. In the true spirit of radio recycling Gord also uses an old 30 year old Motorola Mocom 35 for his 2 metre packet and mobile station.



If you have a nice photo or can arrange for some of your shack please forward to editor@kwarc.org along with 3 – 4 paragraphs about yourself and your station. No e-mail: Mail info to Paul Cassel Box 29 Petersburg, On N0B 2H0

The clubs technical committee has been working hard during the past month making improvements to one of our clubs repeaters.

VE3RBM

Repeater VE3RBM 444.875 now consists of a Mastr II thanks to a donation from Paul VE3 Sugar Yankee to which we are grateful.

This donation replaced the two modified U400 Icom mobile radio's that were difficult to maintain as well as having very poor quality audio, especially when operating on the IRLP node. The GE Mastr II radio has an excellent reputation as being one of the most reliable repeaters on the market even to this day.



The above photograph shows the repeater and installation team of myself, VA3BNY (left), Paul, VE3SY (right), and Dave VA3MRJ (kneeling).

The repeater swings down for easy access to the exciter and receiver modules, both of which are removable for maintenance. We used the UHF preamp that was on the old equipment to enhance the receive portion of the repeater. The power supply mounted just below the main equipment on the rack.

All of the repeater wiring extends to a termination strip on the back of the repeater mount, and several changes to the wiring configuration had to be made before it could be coupled to the repeater controller.

The old controller was replaced with a new CAT200B. The controller is basic but has linking capability, voice messages,

selectable courtesy tones as well as DTMF test facility, and so you can check if your keypad numbers on your radio work properly.

Installation took place during the first week of February, and all seemed to be working until we detected a desence problem occurring causing receive noise and distortion. It was back to the site a few days later for more tests to try to isolate the problem. After considerable testing by Paul and myself, we felt that the problem of desence was being generated from the existing UHF duplexer.

We proved this by disconnecting the cavities entirely, and placing the transmit side of the receiver into a dummy load, and listening to determine if the desence returned. Crystal clear audio, with no noise and desence. We both nodded our heads and simultaneously agreed that we need new UHF cavities. Paul made some phone calls the next day, and with some horse trading of some older VHF cavities that the club had, he was successful in acquiring a replacement UHF unit consisting of a combination of band pass and band reject filters.

The new cavities were installed and our desence problem is gone forever. Now to get the PL problem fixed. This turned out to be a missing control card needed in the repeaters configuration shelf, which was re installed. Unbeknown at that time, the card was required to complete the circuit for the encode option. That being fixed, yet another glitch cropped up which really had our heads in a spin, no audio coming out of the controller, Yet the courtesy tones and voice identifier was loud and clear. Could it be one of the audio switching proms in the controller?

All tests pointed in that area, and after extensive testing with a service monitor, and measuring to determine where we were loosing the 220 mv rms that was needed to the exciter, it was off to a local electronic store to purchase a new prom that we had suspected somehow became defective. Nope... that didn't do it, got to be something else. Whenever the receiver passed audio through the controller, to the exciter, somewhere, somehow, we

were loosing the required level just before the exciter. Suddenly, Paul jumped up from looking at drawings and dashed to the repeater rack pulling out a control card he installed inadvertently. Our audio is back to full quality and level. Something in this card has sunk the audio level and it kept us running in circles. Finally we had a working repeater, which to this day, is continuing to impress the club users.

VE3KSR

On another front, at the last club executive meeting, the technical committee identified the need to eventually replace VE3KSR repeater, which had become unstable. With the current activity of ham equipment items that have been donated to the club and sold on e bay, what better opportunity available to the club at this time to take advantage of our gifts and steer our resources to modernize KSR. The clubs executives approved a plan and authorized Paul to seek out a suitable repeater replacement and make recommendations.

What resulted was a windfall to the club by acquiring two complete GE Mastr II, 100 watt repeaters with VHF exciters and UHF receivers as well as one complete 40 watt VHF Mastr II repeater like new, with VHF modules and one 40 watt Mastr II to be used for additional parts should they be needed.

Crystals for these units have been ordered from West Crystal in Vancouver BC, and we selected to purchase a new CAT 1000 controller with DVR (digital voice capabilities) as well as numerous other standard options. This should arrive in a few weeks along with the crystals from Vancouver.

Eventually, you will hear a new VE3KSR repeater with superb audio filled with user options. As this project nears completion, I will be updating our members as work progresses. We are also intending to have an open house at the "Baden Hill" in the near future.

73 fer now
VA3BNY De Ben
Technical Chairman

**PLAN YOUR
2002
HOLIDAY'S NOW!**



RAC 2002
July 26, 27 & 28th
Featuring
British Columbia's
"OKANAGAN"

RADIO AMATEURS OF CANADA

Join us in
VERNON
British Columbia
in the Sunny Okanagan
Valley
for the 2nd National
RAC Convention

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



I was Dxing on 20 tonight, boiling electrons off of the cathodes of the big 3-100-'s in the finals, picking up a few rare ones. Then the onslaught of lids started. Not heard the term 'lids'? Hamdom invented the term somewhere around the beginning to describe 'rotten operators'. Anyway there they were. Must have all come on at the same time. Really spoiled the band for a while.

Yeah, I know, I was on my high horse last month, and now here I am again. So, OK, I'll try to fix my ways by next month. For now, let me get some steam out. Here's some example of what I heard:

People out there running the kilowatt for a local QSO, and putting out a sideband signal 15KHz wide. You'd think they never heard of the QRP rule; Always use as little power as possible to complete the QSO.

Don't you love those guys who put their foot on the key, then run the VFO up the band, running a whistle over top of everything? Then they run back down the band! Must be running an across the band VSWR check. Maybe they can't afford an antenna bridge? But why do it with a Kilowatt?

Oh, and one of my pet peeves; rag chewing right on top of the main DX frequency. You know, there's that neat

little segment where all the rare stuff comes in. I suppose that these are the same hams who believe they can load into a door knob and get out. I guess they've proved they can, but they can't receive worth a darn, or they'd hear someone else on the frequency.

Then there's the guy who goes "Hellllllloooooo" over and over while he tunes up his KW, never breaking to see if he's clobbering someone. Never heard of using the dummy load for tuning up either.

In the end it comes down to bad manners, short and simple. I remember we used to have an Amateur's Code framed up on the wall here at VE3IC. It hung over top of the old ART-13 war surplus rig that served here for many years. It disappeared one day. That was back around the time that Canadians got the idea that anything American had to be bad. Well, I tried to bring it all back in my head. No luck. So I rooted around in the big old dusty bookshelves and found it in an old copy of The Radio Amateurs Handbook.

Sure enough, the language and terms were out of date, but the intent was sure valid. So, I did a little re-writing to bring it up to date. My re-write may not be perfect, but I hope you all see that 'Ham' radio can still be a gentleman's hobby – or ladies too.

THE AMATEUR'S CODE (2002)

1. **THE AMATEUR IS POLITE.** An amateur never knowingly uses the air for his or her own amusement in such a way as to lessen the pleasure of

others. The amateur values the privileges granted by the government in assigning a license and bands.

2. **THE AMATEUR OFFERS SERVICE TO OTHERS.** Through the use of his or her amateur rig, they will offer help to those in distress.

3. **THE AMATEUR IS PROGRESSIVE.** The ham of the 21st century keeps his or her station abreast of science. It is well built and/or installed, and is used efficiently. Their operating practices are first class.

4. **THE AMATEUR IS FRIENDLY.** Slow and patient sending when requested, offering repeat information on call and QTH as required; friendly advise and help for the beginner; encouragement for those who show interest in the hobby. These are the marks of true Amateur spirit.

5. **THE AMATEUR IS BALANCED.** Radio is a hobby, and the good 'ham' never allows it to interfere with duties to his or her home, job, or community.

6. **THE AMATEUR IS PATRIOTIC.** His or her station and knowledge are always ready to serve their country or community.

At least, that's how IC it.

73 de QRV

[30]

Morse Code Practice to Start in March

by Bill VE3ETK

KWARC is offering code practice sessions for those who have a Basic license and want to get on the HF bands. We invite everyone in our listening area who wants to upgrade to participate, and will be broadcasting on Tuesday and Thursday evenings at 7:30PM and Sunday afternoons at 3PM. Should anything change we will always have up to date details listed on our website www.kwarc.org.

The transmissions will be on our NASA frequency of 147.510 and will occur unless there is some NASA activity to preempt them. The lessons will start at 3 WPM and work their way up to 7 WPM, and will include random words, normal text, and some mock QSO's.

That will give you a good speed margin to make the 5 WPM test required now to get on HF.



As announced previously your responsibility will be to learn the basic dit and dah combinations for the alphabet, numbers, and common punctuation before starting to listen to the practice sessions. It is also very important to practice sending Morse. The best way to do this is with the help of others, so if you contact ve3etk@rac.ca via e-mail, giving your

name and phone number, we'll list those people who are looking for partners so you can put together a little group for practice sessions.

Also, it will be announced at the next KWARC meeting that there is a need for keys, or code practice oscillators that our members can make available to you (for sale or for loan). Keys are getting to be hard to find, as there is not a big sales market now, and they've become collectors items at flea markets. Waterloo Electronics has its last two keys in stock, and a good selection of buzzers and battery holders if you want to make your own.

Letter to the Editor

The Editor
KWARC Kilowatter
Box 34012 Highlands Hills Post.Stn
Kitchener Ontario N2N 3G2

Apt 1508
100 Queen Street N
Kitchener
Ontario N2H 2H6

4 Feb. 2002

Dear Paul,

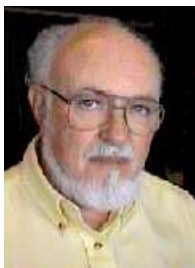
Thank you for the latest Kilowatter, which I received last week. As always, it makes for interesting reading. I was particularly interested in the previous issue as it provided a complete list of all the members. However, I read with interest a short article in the magazine "This England" pertaining to the world's first wireless transmission from Poldhu in England to Telegraph Hill in Newfoundland by Marconi. I thought it would be of interest to our members if you would like to include the article in the next issue of the Kilowatter. Here goes:

"The National Trust of England has established a new Marconi Centre at Poldhu in Cornwall England to celebrate the success of the historic Trans-Atlantic radio experiments. The official opening took place on the 12th Dec, 2001 - exactly 100 years after Marconi sent a wireless signal from Poldhu to Newfoundland more than 2000 miles away. The centre will provide an operating base for the local Amateur Radio Club, as well as hosting permanent displays about the extra-ordinary achievements of Marconi and communications in the 21st century."

Sincerely,73
Reg. Tustain VE3NEF

Membership Report

Membership Chairman and VP, Bill VE3ETK



This year KWARC will celebrate 80 years as a club. You'll hear more about this in the next few months. At the same time, we'd be delighted to hear ideas from our members about we can celebrate together and with the community at large. I can't promise we can do something about every idea, and may well amalgamate some of them into one event. In any case, feed your thoughts to me at ve3etk@rac.ca and we'll see what we can do.

Our campaign to recruit hams in the

KW area who are not presently members of KWARC is still in progress. You can play a big part in this by speaking to any ham you know who falls into this category, and encouraging them to come out and take part in our meetings and activities. The campaign will continue until early June.

A new bonus for our members and friends in the listening area of our NASA transmitter on 147.510 is the Morse Code practice sessions the club is offering. Full details are elsewhere in this newsletter, and on our web site. If you do not have your 5WPM endorsement join in! If you know of a ham who doesn't, encourage them to take part and get onto the HF bands.

With a little work we could have everyone in the club with HF privileges.

The code practice sessions are receiving only, so those working on 5WPM are going to need sending practice, perhaps in little groups working together. You could help them in two ways: first by offering some friendly 'amateur' help by joining with them and letting them send to you - giving some constructive criticism and friendly advice; secondly, by making available (purchase or loan) a Morse key and or buzzer set for their sending practice. I'm coordinating these things via ve3etk@rac.ca, so send me a note if you can help. Those not on e-mail can call me at 576-3576

Bill VE3ETK

Welcome New Members

by Bill VE3ETK Membership Chairman and VP

Our welcome list is growing each month and now totals well over 200 members which is a new record for us. We look forward to meeting all of you at a meeting soon.

Bill VE3ETK

PLEASE WELCOME

Fred Baehr VE3ARQ
Waterloo

Al Schaus VE3YAJ
New Dundee

Kincardine IRLP up-date:

from BARC Newsletter

Gord VE3DBP and Michael VE3PDQ have checked to see what is required to modify the repeater for IRLP operation. Required changes are relatively straightforward and should present no major problems. Gord VE3DBP has modified an HW202 transceiver that will interface between the IRLP board and

the Repeater, and has built a power supply for the HW202. Gord stated a concern as to whether or not the HW202 will stand up under prolonged operation. Gord is sorting out the type of antenna required at Michael's place. Terry VE3TJT AND Jim VE3JMD of the PEARC have their IRLP board and have

had the software working with the IRLP system. Dave VE3DJL has donated a two metre transceiver to the Port Elgin Club and Gord offered to help with the hardware side if needed. Michael VE3PDQ is expecting to have BARC's IRLP interface board arrive soon.

KWARC Member Inducted as a "Fellow" at NCR

by Dave VA3DGS



Our own Wayne Doran VE3BDP has recently been honoured by the NCR Corporation by being named as a Fellow of the corporation. This honour is bestowed on a

rare few individuals who have consistently made distinguished leadership contributions both within the corporation and related industry consortia thereby enhancing the reputation of NCR. Wayne is a key member of several banking standards steering committees in the U.S. and a

personal letter of commendation from the U.S. Federal Reserve was read during his induction ceremony on Thursday, February 14, 2002.

Congratulations, Wayne, from your friends at KWARC!

Dave VA3DGS

A QSL Info Program

from email to your editor

A QSL information lookup program and data file is available at www.n0oks.com. The program will lookup the name and address for any Canadian or US call. You

may download the program and data and see how you like it. If you continue to use the program and data, then a US\$5.00 contribution would be nice. Periodic

updates to the data and updates to the lookup program and additional programs are included in the US\$5.00 contribution.

APRIL Show-N-Tell Presenters Wanted

by Dave VA3MRJ Program Chair

Have you got a project in your Ham Shack that members may find of Interest? A special antennae that you built and worked the world on 1/2 watt, or maybe a home brew 3000 watt amplifiers that work on a 12 volt power supply and only draws 10 amps? The Annual Kitchener-Waterloo Amateur Radio Club "Show N Tell" night is coming up for the April meeting program, and we are looking for entries to entertain the members.

What you find in your shack may not be all that interesting to yourself, but other members may be very interested in what you are doing with your hobby. Please let me know if you can share your project with your fellow members. Here are just some ideas; an update on VE3EOS's project, anybody doing PSK and like to do a demo, built an interesting antennae, solved an RFI problem, an interesting mobile installation, put up a new antennae and

tower, built a radio or amplifier, installed a repeater or controller, installed an IRLP node, bought a new handheld and want to share your thoughts about it, have a new pet....well maybe stick to Amateur Radio.

Drop me a line or call me at 519 569-8782.

David Johnson
VA3MRJ Program Chair.

The Bean Count Report as of February 23, 2002

Description	Amount	
Revenues		
Previous FY Balance Forward		
Prev KWARC financial year bal fwd	3038.80	
Group total:		3038.80
KWARC Membership		
KWARC Membership fees	2154.63	
Group total:		2154.63
KWARC COARF		
KWARC table	77.00	
Group total:		77.00
Club meeting revenue		
KWARC 50/50 draw revenue	108.75	
Group total:		108.75
Other KWARC revenue		
KWARC other rev. sources	1627.99	
Group total:		1627.99
Revenue total:		\$7,007.17
Expenses		
Bulletin expense		
Production exp.	840.86	
Postage exp.	659.26	
Group total:		1500.12
Capital expense		
Equipment, supplies exp.	5.74	
Group total:		5.74

Executive exp.	46.84	
Insurance, corporation	835.92	
Bank service charges	24.75	
Group total:		907.51
KWARC Club Meeting expense		
Equipment exp.	590.40	
Speaker certificate exp.	26.45	
Group total:		616.85
VE3KSR voice repeater expense		
KSR telephone exp.	182.73	
Group total:		182.73
VE3RCK voice repeater expense		
RCK telephone exp.	155.81	
Group total:		155.81
VE3IXY voice repeater expense		
Group total:		0.00
Special event expense		
COARF fleamart exp.	100.00	
Banquet exp.	56.00	
Group total:		156.00
VE3IC club radio station expense		
IC QSL card exp.	30.00	
Group total:		30.00
Expense total:		\$3,554.76
Revenues less expenses		3452.41
New Balance:		\$3,452.41

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: _____	Email Address: _____
Phone Number: (_____) - _____	Birthdate: _____ Month _____ 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 + \$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 : _____

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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.** **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

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