

# 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 September 9<sup>th</sup> 2002

**Time :** 7:30pm

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

**Topic:** **Movie Night** "Empire of the Air" *the History of Electronics and Radio*

## Our Monday Meeting

KWARC will be showing off its new Wide Screen at Monday's meeting featuring a movie on the History of

Electronics and Radio. This movie is called EMPIRE OF THE AIR and is courtesy of George Found of Grandpa's

Radio. Read about our new screen inside this issue.

## 2002 - 2003 Meeting Line-Up And Special Events

All meetings open to members and Non-Members

Your NEW Program Chairman Wafic Ajoor VA3WOA will be has lining up a great list of speakers. Wafic would be glad to have your ideas for future meetings. You can contact him at 885-7979 or by email [wajoor@yahoo.com](mailto:wajoor@yahoo.com)

### October 26<sup>th</sup>

Our 80<sup>th</sup> Anniversary Banquet

### June 2

Our Annual General Meeting and Election of Officers for next year

### June 28-29

Field Day to be held again at Doon Pioneer Village.

### June 7

The Central Ontario Hamfest in Fergus

## Upcoming Flea Markets

### RadioFest 2002 (not really a Fleamarket)

Ontario DX Association  
Friday, September 20, 2002,  
Oakville Monte Carlo Inn

### London Amateur Radio Club 25th Anniversary Fleamarket

Sunday, September 22, 2002,  
Western Fair Grounds, Special Events Building. London

### HARC Hamfest 2002

Hamilton Amateur Radio Club  
Saturday, October 19, 2002,  
Marritt Hall, Ancaster, on Highway 53

### 26th Annual YORK REGION HAMFEST

York Region Amateur Radio Club  
Saturday, November 2, 2002,  
Markham Fairground, Markham 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](mailto: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 2002-03

<b>President</b>	Bill Graham	VE3ETK	576-3578
<b>Vice President</b>	Ben Sasiela	VA3BNY	748-0445
<b>Past President</b>	Dennis Tabbert	VA3DLT	463-9641
<b>Treasurer</b>	Dave Schwartz	VA3DGS	884-3594
<b>Secretary</b>	David Johnson	VA3MRJ	746-8939
<b>Director</b>	Hugh Baird	VE3IYG	684-7257
<b>Director</b>	Tedd Doda	VE3TJD	634-5949

## The Executive Committee

<b>Program</b>	open	open	open
<b>Membership Chairman</b>	Ben Sasiela	VA3BNY	748-0445
<b>Technical</b>	Tedd Doda	VE3TJD	634-5949
<b>Packet Users</b>	Larry Gorman	VE3LGN	884-6782
<b>Database Mgr</b>	Dave Schwartz	VA3DGS	884-3594
<b>Bulletin Editor</b>	Paul Cassel	VE3SY	634-5139
<b>Edu. Co-Ord</b>	Ron Gimbel	VE3DBD	699-4488
<b>Chief Examiner</b>	Vern Stroud	VE3RVS	743-9342
<b>ARES Manager</b>	Larry Gorman	VE3LGN	884-6782
<b>CANWARN Mgr.</b>	Larry Gorman	VE3LGN	884-6782
<b>QSL Manager</b>	Gord Gibson	VE3NQG	893-5148
<b>Virtual Swap-Shop</b>	Dave Schwartz	VA3DGS	884-3594
<b>Bereavement</b>	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

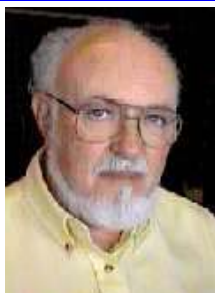
Mode	Call	Freq.	PL patch	Location	IRLP
Voice	VE3SY	147.570	Y S I M P L E X	Petersburg	IRLP
Voice	VE3ERC	444.700	N	Elmira	
Voice	VE3KFM	442.000	Y open	Kitchener	
Voice	VE3RND	145.330	Y	Plattsville	
Voice	VE3SWR	146.790	N	Cambridge	
Voice	VE3WFM	147.090	N private	Waterloo	IRLP
Voice	VE3WWW	146.835	N	U 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	

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

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

## Message from the President

Bill Graham VE3ETK President KWARC



Here we are at the beginning of a great new season of Amateur Radio and KWARC. I'm pleased to be serving as your President for the

2002/2003 club year. Hearing from our members is an important part of that role, and I encourage you to let me know what your Executive can do to make KWARC even better in the months to come. Please do that by having a word with me at club meetings or by e-mail at [ve3etk@rac.ca](mailto:ve3etk@rac.ca). The telephone at this house is far too busy already, so one of these choices is the best way to 'get my ear'.

My first task is to thank (and it's no task at all) the members of last year's executive for the great job they did. In particular, Bob McKie VA3MCK who as Past President is leaving the Executive. Thanks too, of course, to all those who stayed on (what brave souls) to continue their posts or take on new ones. A post that is often overlooked is that of

our Editor - so to Paul VE3SY more thanks for taking on one more year. If you have a look at the club's web site and the Guest Book you'll see how impressed hams from all over are with our site - part of the work of the editor.

New Exec members are Tedd Doda VE3TJD and Hugh Baird VE3IYG. Look for some great things from them in the months to come.

Lots has happened in 2002 already, highlighted by the excellent Field Day and the tremendous displays at our first 80th Anniversary event held the same weekend at Doon Heritage Crossroads. One of the nice things that happened there was that Russ O'Brien and his wife paid us a visit. Russ was impressed with what we were doing and later turned over to us the equipment his father, VE2WH, a blind ham and now a Silent Key, had used. This gear will be sold to raise funds for the club and a donation made to the CNIB.

The new KSR was also an 80th event, and what an improvement that is! Many thanks to the various

members who worked on that.

But, what about the future. I know that tickets are printed for the next 80th event; a fall banquet. It should be quite an event, so plan on being there. Marg Cassel VE3RE is organizing it, and I hear that we will be honouring members of the club, have some visiting ham dignitaries on hand, and have a fine meal and fellowship.

As to the rest of the year, you'll just have to wait and see (like myself) what comes up. Of course much of that depends on you, the members. Sometimes running a club is like bringing a boat into harbour in the dark. You know there is a straight course ahead, but that shoals lurk to either side. The goal is to keep going straight and trusting the lights and buoys to either side. The members of the club are the lights. So keep shining out there fellows and gals (can I say gals in the PC world?) and do your part to guide us where you want the club to go.

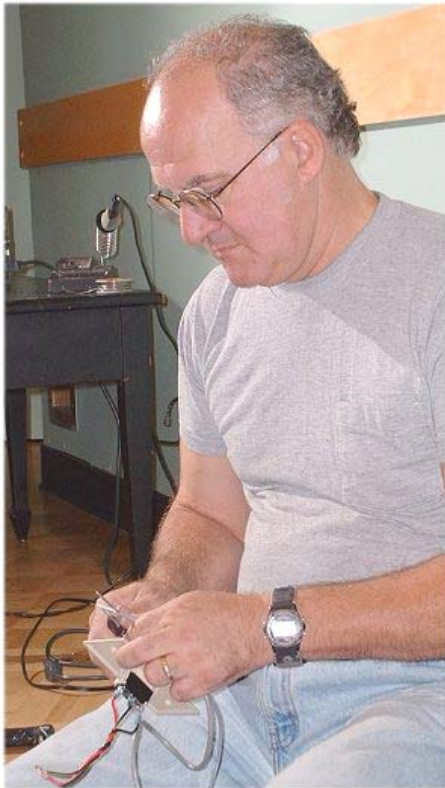
73  
Bill VE3ETK

## KWARC Own IMAX Theatre Size Screen

by Paul VE3SY

A stalwart group of KWARC members gathered at the 404 Wing on Aug. 8/02 at 1:30 in the afternoon to perform a community service, and at the same time improve the quality of presentations for our club - not to mention making the set up for those presentations easier.

Dave Johnson was there first with a complete kit of tools and started immediately to work on putting audio jacks on the wall near the front of the stage. When the work was done there were two microphone jacks and two for Auxilliary inputs. That means we can now handle a standard wired microphone, a refurbished wireless microphone for passing about the croud, a nice clip on wireless microphone, and an input for direct connection to either a VCR or a computer.



I think Bill Graham was next and he too went to work on the audio. I was next, only to offer moral support and to bring Timbits to

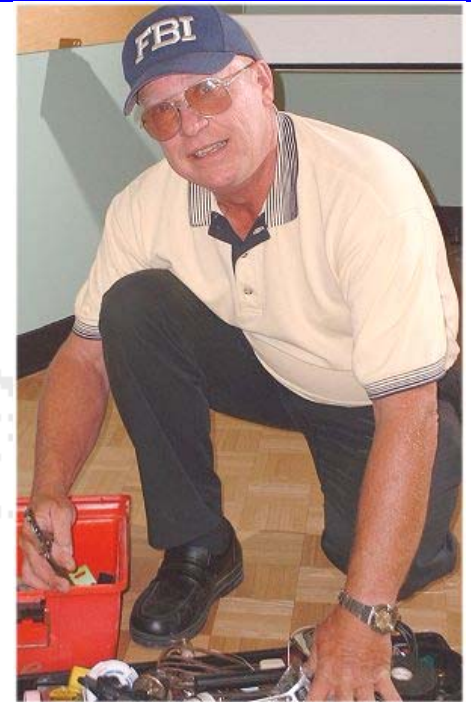
keep the crew nourished. I had a meeting in Stratford, so took some



pictures and then beat a hasty retreat. We all waited anxiously for Ben VA3BNY who was bringing the prize of the day - a 9 foot by 12 foot electric drop down screen that, Bill got for us and the Wing, at a knock down price from Edcom Multimedia because it had a warped case (like 'big deal' for our needs).

It must be said here that the idea of a permanent screen of suitable size came from Dave Johnson when he was Program Chair. He took the afternoon off to see his dream become reality.

Ben arrived carrying this monster in on his shoulders, while we all ooohed and ahhhed. After some false starts in working out how to best mount our latest acquirement it was decided to put it halfway back on the stage where it would be out of way of the doors, and have the least stray light fall on it. Hugh Baird immediately revised his wiring plan and ran out to get some supplies.



Finally, Dennis Tabbert strode in, already tired from a full day at work, and joined Hugh and Ben to complete and approve the wiring (having the appropriate license). I'm not sure who got to push the button the first time, but there were gasps as the screen dropped, filling the key area of the stage, then continued to spill out on the floor. Man, this is a big screen!

Unknown to us, the lady who works at the front desk of the 404 Wing had booked off early and we all had to leave, with the barest of chance to clean up and run a few tests on the sound system. Obviously we have to do a bit of that at the begining of our first meeting in September, and adjust the screen limit switches so the bottom just touches the floor. In any event, it was a great opportunity for this crew to work together. As I heard about it, they formed a great team and have given the 404 Wing and our club something that will serve both of us well for years to come.

**This screen is so large you will need to attend Monday's Meeting for the inaugural presentation**

# OUR 80<sup>TH</sup> ANNIVERSARY BANQUET

Saturday October 26th 2002

Transylvania Club  
Andrew Street  
Kitchener, Ontario

**Fellowship and Cocktails 18:00 hrs**  
**Country Style Dinner at 19:00 hrs**

All you can eat Beef and Turkey potatoes, veggies etc. plus dessert coffee gratuity all taxes and door prizes PLUS one free drink all for \$35.00 each. Tickets will be available at the meeting and or by mail or pick-up

For tickets by mail or pickup:

Bob Abell VE3XM  
14 Parkview Dr RR#1  
Wellesley, Ontario  
NOB 2T0

**Please include a return envelope and make cheques payable to KWARC**

## Membership Report for Fall 2002

by Ben VA3BNY your VP and Membership Chairman



Another new year of club meeting is starting, and the executive committee has been busy during the summer lining up great speakers, presentations, and activities for all our

members. As your vice president for the following year, one of my duties will be to foster growth of our club and recruit new ham's to join our fraternity as well as to promote return of our previous members. The Amateur Radio hobby has seen a drastic change over the previous years, with new modes of communications available, both as digital, through the Internet, and with the enhancements to our local repeaters.

As a club we are striving to provide our members with added value and new experiences to suit your interests. Our recent involvement in field day activities at Doon Pioneer Village displaying vintage communications equipment and radios was well received. Those that participated did a superb job, and I'm sure found the experience exciting and gratifying.

We are celebrating our 80<sup>th</sup> year as an amateur radio club with a special banquet in the fall that will recognize our accomplishments, and we encourage all our members to attend.

For the next twelve months, I will be very much interested in your comments on how we can improve the operation of the club, to best serve our members. Our

first club meeting is just around the corner, so plan to come out and see "what's new" for the coming year, and bring a friend, neighbour, or anyone interested in our great hobby. All of our meeting are open to the public, and what a swell way to meet a bunch of great people. "Have a suggestion or opinion" let's get together. My job will also be to carry your message to the executive meeting and bring your comments to the table. I am looking forward to serving as VP of KWARC, for the next year.

VA3BNY de Ben  
Membership Chairman  
and Vice President

## New IRLP Feature on VE3RBM

With the tech committees installation of a new GE MASTR II repeater and CAT200 controller on VE3RBM (444.875 PL 131.8), we are now able to make it possible to know when the IRLP node is enabled.

Whenever you connect or disconnect RBM to the IRLP, you will hear a hi-speed Touch-Tone sequence. This is used to change the courtesy tone. Whenever the IRLP is active the courtesy tone will go low to high "booo-beep". If no IRLP connection is active the tone will sound the same as KSR going from high to low "bee-booop" (trying to give a phonetic simulation ☺)

The ON codes remain the same

requiring you to add a 0 (zero) to the node number you wish to call. The standard disconnect code is now 73 rather than the node number followed with a 1 (one). The reason from dropping the (1) off code is the prepare for 4 digit node numbers. All existing nodes will have a zero added so node 241 will become 2410. This was done to provide an easy transition to 4 digit dialling as it is identical to what you have been used to dialling for on codes anyway.

Just remember the OFF code has changed to 73 although the old off code will remain valid for a short period of time.

Our shortcuts for connecting to the main reflectors are still valid where

- 11 connects to Toronto Reflector 1
- 22 connects to Indianapolis Ref 2
- 55 connects to Las Vegas Ref 925
- 73 will disconnect ANY connection

Enjoy the IRLP and if you have nay questions drop me an email or give me a landline

ve3sy@kwarc.org or 634-5139



Greetings, and welcome back to the 2002/2003 year of the Kitchener Waterloo Amateur Radio Club! My name is Tedd Doda (VE3TJD), and I am your new Technical

Chairman for this year. Many of you will know me as the packet radio Sysop of the VA3SED BBS.

To start off this year, I would like to take each system individually and give you the status of it, what has happened over the summer with it, and what near-future plans we have in store for it.

### A) VE3KSR-voice (146.970):

The new Cat-1000 controller was mated to the previously installed GE Mastr II repeater. The system is working well and has too many features to mention here. Look on next page for a more detailed "user guide" of the controller by Ben VA3BNY. Occasionally, the audio "level" of the repeater audio drops slightly and this is being looked at by the tech committee.

The URL link to VE3BHR is still being retrofitted at this time. We are trying to get in touch with the owner of the system (Terry, VE3CAB) so we can run audio level tests to/from BHR to KSR.

### B) VE3RCK-voice (146.865):

This repeater continues to work well,

and nothing was done to it over the summer.

### C) VE3RBM-voice (444.875):

After many complaints of distorted audio, RBM was removed and repaired. The problem turned out to be a misaligned IF (Intermediate Frequency) stage. After further diagnostics, we found that the coil forms within the IF section were worn and would allow the ferrite slug to move by themselves. A small piece of waxed paper was added to the slugs before inserting them back into the forms. This tightened them enough to hold them in place, while still allowing them to be adjustable.

This is the only club repeater which hosts the IRLP network (thanks to Paul, VE3SY). It is a great system and is being used by many of the club members. No other future plans are in the works.

### D) VE3KWQ-packet (145.090):

This packet node in Waterloo has been working wonderfully over the last few years.

### E) VE3KSR-packet (145.010):

This packet node in Baden comprises of 4 radios and 4 TNC's all being controlled by

an old 386 (or 486!) computer. Over the summer, the computer didn't come up properly from a power outage, so either the computer is on it's way out, or we need a small UPS to hold the computer until the backup generator kicks in. This is being

investigated by the tech committee.

### F) VE3IXY-voice (224.340):

What can I say other than I sure wish other people had this band! The machine has been running flawlessly and coverage is excellent. No future plans at this time.

### G) NASA Link (147.510):

There hasn't been an a lot of activity from NASA, but the system is working well.

### H) VE3SED-voice (53.370/442.200):

I'll treat these 2 repeaters as one for this discussion. Both have been removed as of August 22, 2002 for major upgrades. The 6 meter machine is being fitted with a CTCSS encoder and decoder, which means that you will have to TRANSMIT a tone of 131.8 to access the repeater. The 442.200 system is being replaced by a Mastr II UHF repeater, due to the many failures of the Mitrek which was being used at first (with thanks to Paul, VE3SY!). Both systems will be back in operation shortly.

That pretty well takes care of all the hardware within the KWARC domain.

I will do my best to serve you as the Technical Chairman, and if you have any comments or suggestions, please don't hesitate to e-mail me at [ve3tjd@rac.ca](mailto:ve3tjd@rac.ca), or send me a packet at [ve3sed@ve3sed](mailto:ve3sed@ve3sed) (this is my Linux BBS in my shop).

de Tedd VE3TJD,  
Technical Chairman of the KWARC

## NEW OPEN PHONE PATCH ON KSR

by Ben VA3BNY, Patch Manager



Phone patch on KSR operates now exactly like RCK, its open to all, enter \* plus telephone number, **do not drop PTT**, and the controller will dial out the number.. the usual # to hang up the patch.. max time is 15 minutes, non extendable.. (controller does not have this feature).. also auto patch will time out during no activity after one minute, just in case someone forgets to drop dial tone... at the end..

Speed dial has been programmed also,, for club members, if a club member has speed dial on RCK, I have made the speed dial the same on KSR, so like in my case, my speed dial number is 775 on RCK, its also 775 on KSR,, no need to

add the \* when dialling using the speed dial option.. just enter the 3 digits,

Other emergency numbers

- 911 emergency dials police 911 facility
- 912 non emergency calls to Regional Dispatch desk
- 913 Ontario Provincial Police report center
- 914 (reserved for future)
- 915 KW road condition report
- 916 dial 611 bell repair service
- 917 dials 411 bell information service

To test your DTMF pad on your radio, enter 5 + 1234567890ABC and release PTT, controller will read back numbers.

To get the current time..... press PTT and enter 4

To check how well your radio is being heard by the repeater,, PTT + 725\*

release ptt, controller will say, "Start your test now (beep).. user transmits up to 15 sec of voice test "VA3BNY Testing 1, 2, 3, 4, 5, VA3BNY"

Controller will record your test, and play it back over the air, so you can hear exactly how you sound into the repeater..

The ULR function is disabled at this time, Terry has a problem with the sudio between the BHR hub, and the ULR link radio at the hill. this has been referred to him via e mail,, so waiting for his reply,, Also, when Terry visits "the hill" after he fixes the audio problem, we need to set the audio levels between our controller and his interface,,

That's about it for now,, other features will be enabled (voice messages. CANWARN messages etc) later.

Ben...

**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](mailto:QRV@KWARC.ORG) and it will be auto forwarded to the anonymous QRV**



Sheeesh! I hate starting the season off acting like a curmudgeon. It's just that this QSL thing is getting me again. I mean,

I had this e-mail from a ham on the other side of the world telling me that he no longer uses EQSL because he doesn't get any "American Green Stamps" (read U.S. dollar bills) that way.

OK, OK, I'm from the old school where it was a matter of honour to send one the first time you made a contact with another ham. A number of years ago the Boy Scouts took the word 'Honour' out of their promise, the Canadian Headquarters citing that 'the word was no longer understood and had no meaning in today's language'. I guess they were right.

But then, maybe it wasn't a matter of honour, but the joy you got when one came for you in the mail, and you could feel that 'the other guy' got that feeling because you had sent him one.

You had done something nice for someone else! Anyway, I guess what gets me most is that QSLing has turned into a money making deal - and that in a hobby where your license prohibits you from taking money for pursuing the hobby. And then I heard recently that a DXCC Certificate cost a fellow ham over three hundred dollars with the cost of 'buying' QSL cards, Bureau fees, postage, and ARRL charges. Hey, for three hundred dollars I can buy some new ham gear. Oh well, to each his own.

I guess my bottom line on this is that maybe it's time we as individuals, clubs, and organizations should examine how we got to be so commercial, instead of friendly and co-operative. We have an exciting new way to exchange QSL cards, instantly, with only a small voluntary contribution, and people won't use it because they can't make money off of it, or won't accept cards because they could be forged (forged for goodness sake); while a faxed copy of a letter is accepted as a legal entity today. And don't get me going on how easy it would be to fake any kind of a QSL card today using a computer and a

good local printing company.

Enough of this twaddle! On to better things. I got going on this IRLP thing the other night. Wow, never before has it been so easy for a brand new ham with the simplest license to get on the air and talk to foreign lands. I heard a couple of guys using it to make plans for a 20 meter contact a few minutes later as the band was opening up. Then, an OM and YL chatting away and exchanging QSL cards via the internet and each had the other's before the QSO was done. Sorry, I'm back on the QSL thing.

Anyway, we often hear how 'ham radio is going to hell in a hand basket' in this day of computers, the internet, eQSL, and all the other new fangled gadgets and services. As an old timer, let me say "Camel Feathers" to that comment. These things have done nothing but improve the hobby and offer exciting new features to explore. We can either get with them, or we'll soon be human relics just like the old spark gap transmitters.

At least that's how IC it.

73 de QRV

[30]

## Amateur Radio Emergency Services

by Larry Gorman VE3LGN



This has been rather unusual summer. Dry for the most part, several humid spells with smog alerts and numerous threats of severe weather, most of which skirted us.

During some of the more humid hotter weather we experienced afternoon Pulse type cloud developments as moist winds moved up from Lake Erie. The cloud formations mushroomed up toward the Stratosphere as they migrated northeast into South Central Ontario.

Our CANWARN team now has improved contact with the Ministry of Environment, via PAGNET™ pagers with extensive alphanumeric

capabilities. No more messages abbreviated to the point of being indecipherable. Several messages were sent out this summer by our MOE contact in Toronto alerting our area to the potential of severe weather . In response to these I initiated announcements as to the potential for severe weather, on VE3RCK, and the possibility of a CANWARN Net should the weather deteriorate. The latest was on Sunday 2 August. It also passed uneventfully. But the NEXRAD weather radar showed some rather spectacular weather passing just to the north of us.

I usually try to send out an initial notice of a severe weather announcement on VE3KSR, VE3SWR Cambridge and VE3 ZMG Guelph.. Our club sanctioned "Severe Weather Frequency" is VE3RCK,

146.865.

A reminder to users of VE3RCK and especially of VE3KSR. As a standard courtesy, periodically make a break for identification, and to allow other users access to the frequency. And to power down! 5 Watts will get you almost every where. On more than one occasion I have been unable to punch through on VE3KSR to inform those on frequency of an upcoming weather notice on VE3RCK.

On the ARES scene things have been rather quiet of late. But the Regional Emergency Services branch has organized an emergency response meeting for Friday September 6 which I will report back on in the next issue of the Kilowatter.

Larry Gorman  
Emergency Services

## Minutes of June Meeting

recorded by Secretary Dave Johnson VA3MRJ

Meeting called to order by President Dennis at 7:31 pm

Approximately 35 members were in attendance.

Bill, VE3ETK requested volunteers for the Hall of Fame Show, at Doon Village on Field Day weekend, 10am to 4pm. needs people to help explain radios and displays.

Past President Bob announced nominations for the board of directors for the coming year as follows: Bill Graham, incoming president, Dennis Tabbert past president, Dave Swartz, Hugh Baird, Ted Doda, David Johnson, Ben Sasiela. Bob asked for any further nominations from the floor. Bill Riddell moved nominations be closed seconded by Gord.

Committee reports were asked for:

Bill VE3ETK in his capacity of President elect, stated that his report was in the bulletin but summarized he has been working on the membership and been active on the 80<sup>th</sup> anniversary committee. Membership has been soaring, probably due to IRLP. Membership stands around 230. Seventy-five membership packages were mailed out.

David Johnson VA3MRJ reported in his capacity as program chairman and secretary, that he is no longer program chairman, he would remain in the capacity as secretary.

Ben Sasiela VA3BNY reported in his capacity as Technical Chairman, that his report is in the bulletin and summarized

that we have a new KSR voice repeater, new controller going in soon. He thanked the Technical Committee, Ted Doda, David Johnson and Paul Cassel. The Stratford's Clubs voter is in and working. Phone patch should be operational by September along with URL link.

Larry Gorman as Packet Chairman said its running well, the social group has disbanded but packet will carry on. Larry thanked the ARIES helpers for the Bike-a-Thon. Region is having an emergency measures meeting and we will receive a full report in the fall.

Dave Swartz reported as Treasurer, Swap Shop manager and Wx station manager. Treasurer report is printed if full in the bulletin. We are in good shape with \$ 2,778.00 in the bank. He thanked Paul for his efforts in fundraising that paid for much of the new equipment. Dave made a motion to accept the treasurers report, seconded by Ted Doda, motion carried.

Paul Cassel reported as Newsletter Editor, looking for content for both newsletter and web site. A new 10-gig column will be added hosted by Steve VA3SMP. Three IRLP nodes are now running. Paul attended the IRLP conference in Las Vegas end of April.

Ron Gimbel, Education Co-coordinator, reported that we had 21 persons take the beginners class. He is expecting several more to come and write the exam.

Ed Spike and Ron Gravelle were absent.

Gord Gibson reported as QSL manager, announced the club is close to getting its DXCC award. Members are asked to advise Gord when using the club's call sign.

President Dennis made a motion " to approve the actions of the board of directors of the Kitchener Waterloo Amateur Radio Club for the 2001-2002 year. Seconded by Ted Doda. Motion carried.

Marg Cassel spoke on the bereavement and asked members to advise her of any silent keys. Marg is also working on the 80<sup>th</sup> Anniversary Banquet Oct 26 2002, Saturday night at the Transavania Club.

The following people were recognized and thanked by President Dennis for their help for this year; Fred Lowe, coffee, Hugh Baird, flea market, Jonathon Doll, fieldday, Gord for helping with the beginners classes.

Motion by Bob, VA3MCK, seconded by Larry VE3LGN that the club advance \$ 375.00 to the 80<sup>th</sup> anniversary committee. Motion carried. Marg Cassel was asked to confirm the refund policy of the Hall.

50/50 draws contributed \$ 168.75 to the club treasurer this year. Gord, VE3EOS won \$ 16.75 on this meetings draw.

Brief announcements were made asking for volunteers for the Flea market, Fieldday and Scout Camp.

Mary Riddell made a motion to adjourn the meeting, seconded by Drew.

## Minutes of June Exec Meeting

recorded by Secretary Dave Johnson VA3MRJ

*Present: Attendees: Dave Swartz, David Johnson, Bill Graham, Bob Mckie, Paul Cassel, Ted Doda, Ben Sasiela, Dennis Tabbert.*

Meeting called to order at 7:30.

Bill Graham accepted the position of President. Ben Sasiela accepted the position of Vice-President, Dave Swartz retains treasurer's position, David Johnson retains secretary position, Ted Doda accepted the Technical Co-Coordinator's position.

Motion by Dennis Tabbert to eliminate the position of Packet Chairman. Seconded by Bill Graham. Motion carried.

Brief discussion regarding the unfilled position of Program Chair. David Johnson commented that we have a need for eight programs a year. There are enough repeat programs that only several new programs are needed each year.

Club Awards; Paul Cassel and Dave Swartz will search for the wording for the awards.

Dennis Tabbert suggested the executive meet at his home in August to wrap up the year.

It was mentioned that the entire board of directors resigns at the annual general meeting. Therefore the board is retired at the meeting and the new board becomes effective immediately following the election.

Committee heads were confirmed as follows: database manager Dave Swartz, bulletin editor Paul Cassel, education coordinator Ron Gimbel, club examiner Vern Stroud, Aries manager Larry Gorman, QSL manager Gord Gibson, Canwarn Ron Gravelle, virtual swap Dave Swartz, bereavement Marg Cassel.

President Bill reported on the sound and video improvements for Wing 404 and that he is donating a wireless mic to the club and would like the club to buy another one.

Motion by President Bill, " should the old wireless mic not be repairable, the board

authorize the purchase of a handheld wireless system to a maximum of \$150.00"

Seconded by David Johnson. Motion carried.

Bill is looking for an electric screen for Wing 404.

Code practice, Bill is not sure anyone is utilizing the service. A voice message will be placed on the code practice asking people to phone Bill and confirm they are listening.

Bill will get Larry Gorman to confirm use of Ratz Bechtel for our exec meetings.

Paul Cassel gave background info on the 80<sup>th</sup> Anniversary Party.

Dave Swartz asked for who should be signing at the bank. Dave Swartz, Dennis Tabbert, Ben Sasiela will be signing and Dave will prepare a letter for the bank.

Motion by President Bill to adjourn, 2<sup>nd</sup> by Ben Sasiela. Meeting adjourned

Jonathan VE3CBX, had mentioned to me that he was the Coordinator for Field Day 2K2 and asked if I would like to help out to which I said sure.

Jonathan suggested that since 15M CW was not making that many contacts AND Bob ve3xm had to leave for a Church function, that I give 75M Phone a try. Since I am only a Basic and there were other Amateurs who were licensed for HF around me at all times I said sure. There was some uneasiness and a few sheepish CQ FD's before I got a "script" of what to say but, I was on the air. The "script" worked for me until I had to sleep at ~ around 2:30AM on Sunday morning.

I woke up again at ~ around 6AM on Sunday morning and was on the air again on 75M phone until Bob came returned and ran 75M phone again.

Since no one was running 6M phone Jonathan suggested that I run 6M phone. Knowing that 6M is the "magic band" where signals and propagation can change more dramatically than other bands I said sure why not! I was able to work all over Florida the upper US States and 1 contact out to South Carolina on 6M. As Homer Simpson would say WOO HOO

I worked 6M for maybe 1H before it was just dead were only moments before there were all kinds of signals.

Memorable Moments during Field Day:

1. Having the opportunity to work 75M and 6M which I can't work under my current license.
2. Being able to make a contact on 75M phone to Quebec as well as talking all over the upper US states on 75M phone.
3. Being able to make contacts on 6M to all of Florida and South Carolina!
4. THE CHILLI & Deserts!!!
5. The Schneider's Sausages!!!
6. The Country Boy breakfast!!!
7. Being able to use radios that are slightly out of my price range at this time! (slightly might not be a strong enough word :)
8. Hearing a comment from another FD Station that the station sounds very good
9. Being a part of the FD process instead of being a spectator
10. Working W1AW on 75M phone on Field Day!!! Woo Hoo Having actually been to the W1AW facilities many many years ago and now all these years later actually working them is a thrill in itself. The Faraday Cage that they have for testing is eerie and something else. They leave the door

open, turn on a TV inside the cage and close the door with you in the cage. Bye Bye TV signal Bye Bye. It is just eerie to see ALL the signals from the "outside world" just disappear!!!

I think that the "hook" for Field Day 2K3 should be to get newly licensed hams out to FD and put them on the air with a licensed for HF Amateur. Going forward it might not even be bad to get newly licensed hams involved in the sprints or weekend contests throughout the year. I must have been beaming ear to ear upon working W1AW! It is all about perspective, maybe not a big deal to yourself or other who work HF all the time. In my case it is in the stratosphere because I don't have the opportunity everyday...

Jonathan has been trying to Elmer me to get my CW so that I can work the HF bands "everyday" but it is just trying to find time between our schedules...

Paul I just want to say a personal THANK YOU to yourself. Your radio is excellent and with the filtering and the beat cancel feature I was able to pull out signals that just were not there without them. The beat cancel feature is excellent for lids who don't know how to use a dummy load and tune up on a station.

Doug Smith VE3IYB

## VE3TIV Kincardine IRLP Node To The Rescue

by Jon K1IMD

### Background:

My fiancée Maggie KC2CYC and my 13 yo daughter KC2GSZ traveled from Long Island NY to Ontario to visit relatives a week ago. Prior to their departure I set up all the IRLP nodes along the route in the memories of the mobile radio. During the 15 hour trip they tried a few times to call home but had no success as a few of the nodes were down/offline or they were out of range. However, once reaching their destination it was determined that Node 271 covered much of the area they were visiting in conjunction with Node 242. Which has been great to keep in touch when on the road this past week.

### Now the NEWS Story:

2002/07/14 - Late this afternoon KC2GSZ was with KC2CYC's sister near Kincardine ON... while traveling home 3 male youths in a passing vehicle threw a water balloon at the car and it hit the windshield right near the center causing it to explode into the car. Needless to say both were covered in glass from head to foot and both suffered cuts from the flying glass some minor and some a bit more major

requiring stitches. Apparently, the OPP showed up promptly as another witness saw the incident and contacted 911 and ambulance on a cellular phone. The OPP provided initial First Aid which appears to have done most of the clean up.

KC2CYC was visiting a friend and contacted me via Node 271 that she was enroute to get papers I had prepared to allow her permission to act on my behalf for medical assistance (she is a minor and KC2CYC is not her mother, her mother KB2AZH passed away 8 years ago) and to provide me with an update of things.

At about 2130 EDT KC2GSZ was released from the hospital and called me on Node 271 to let me know she was alright. We exchanged important details. The OPP think they found the vehicle that the youths were driving and they were off try and identify the vehicle at the local courthouse.

A big BRAVO ZULU - Hats off to VE7LTD and the rest of the IRLP "staff" for having and keeping the network up and running and most of all

Node 271 VE3TIV for being there and operational!

Thank you, for provided a wonderful service to calm the fears of this very nervous dad and long time ham... I found out via ham radio that my daughter was going to be born 13 years ago but that as they say is another story...

"About a year and a half ago I exchanged e-mails with VE7LTD voicing my concern about IRLP getting too big to manage... his response... he wanted every repeater in the world to have an IRLP node connected to it and he was prepared to support it... all I can say is GO DAVE GO!

73 de Jon K1IMD

Node 448

Builder Nodes 448, 449, 406, 436 and 487 (with one under construction)

*P.S. - If she had remembered to take her IC-T8 portable with her that day the story might have even been MORE interesting! I bet she does next time!*



In this report to the membership I will summarize the current financial position of the club at the end of the 2001-2002 fiscal year (which ended Aug. 31) as well as some of the major

account activity that is behind the figures. Please refer to the table below if you wish to follow along (I will have the full transaction listing available at the regular meeting for those interested in that level of detail).

We began the year with a balance of \$3379.11 and ended it with a balance of \$2318.10. On the face of it, this would seem to be a precipitous drop, however the balance forward included the 2001 Fleamarket revenue whereas the current year's Fleamarket revenue has not yet been received as of press-time. If I were to include that amount on a trial basis (rumoured to be in the \$1700 range - chickens which can very nearly be counted upon) so as to put

comparison on an equal footing, *the closing balance would show a net increase of nearly \$700 to over \$4000.*

Now, what were some of the major contributors to the (relatively high) cash-flow figure of \$8174.18 you see as the expense total? Of course, there are the usual boring items we can classify as 'fixed expenses': bulletin printing and mailing, insurance, meeting room rental, the phone patches, Field Day, bank fees and sundry smaller expenses. These total significantly more (by about \$800) than the total received from membership fees. This deficit is covered by the income received due to our participation, with the Guelph club, in the Central Ontario Amateur Radio Hamfest (keep that in mind when we come looking for volunteers next year!) allowing us to keep membership rates stable. In a normal year, this would just about balance out, leaving a small amount for some small projects.

However, this year we were very

fortunate to be able to undertake several large and long overdue projects. Several donations of surplus and estate equipment, coupled with Paul VE3SY's uncanny ability to realize maximum dollar through auction (eBay and local), brought in over \$3000.

This revenue allowed us to refurbish the recently acquired VE3RBM UHF repeater with a real controller and a commercial-quality radio. Since RBM is the Kitchener-Waterloo IRLP gateway, generating a lot of use, excitement and new memberships, this was money well spent. We also managed to replace much of the inside equipment of our flagship VHF repeater, VE3KSR with a top-of-the-line controller and commercial radio (plus a complete spare). Coupled with last year's replacement of antenna and feedline, this formerly '70s-era installation is now state-of-the-art.

Submitted August 29, 2002 by Dave Schwartz VA3DGS, Treasurer

Description	Amount	Total
Prev financial year bal fwd		3379.11
<b>Revenues</b>		
KWARC Membership fees	3284.63	3284.63
KWARC table	77.00	77.00
KWARC 50/50 draw revenue	185.50	
KWARC auction revenue	3055.04	3240.54
Class fees	455.00	455.00
KWARC other rev. sources	56.00	56.00
Revenue total:		7113.17
<b>Expenses</b>		
Production exp.	1031.42	
Postage exp.	762.70	1794.12
Equipment, supplies exp.	430.36	430.36
Benevolence	175.00	
Executive exp.	46.84	
Public relations exp.	100.00	
P. O. Box fees	77.04	
Insurance, corporation	835.92	
Bank service charges	59.85	1294.65

Description	Amount	Total
Facilities exp.	250.00	
Equipment exp.	153.60	
Coffee, donut exp.	30.56	
Speaker certificate exp.	26.45	460.61
Meal exp.	40.17	40.17
KSR telephone exp.	320.40	
KSR new equip. exp.	2186.71	2507.11
RCK telephone exp.	325.81	325.81
Field day exp.	170.60	
COARF fleamart exp.	200.00	
Emergency event exp.	22.95	
Banquet exp.	431.00	824.55
IC QSL card exp.	60.00	60.00
RBM new equip exp.	436.80	436.80
Expense total:		8174.18
<b>Revenues less expenses</b>		<b>-1,061.01</b>
<b>New Balance: See Dave's note above</b>		<b>\$2,318.10</b>

## Kilowatter Content

Do you have a story or home brew project to share?  
We are always looking for content for the Kilowatter.

Contact [editor@kwarc.org](mailto:editor@kwarc.org) or 634-5139

Tnx Paul Cassel VE3SY

## 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.

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

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<p>Information Gateway Services (IGS) provides a complete range of Internet services ranging from entry level personal accounts for beginners, right up to the requirements of large commercial organizations.</p>	
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<ol style="list-style-type: none"> <li><b>1.</b> No activation fee on standard personal accounts for KWARC members. A <b>\$25.00</b> saving</li> <li><b>2.</b> \$50 per six months or \$75 per year paid in advance for 5 hours/month --- (extra hours at \$2.00 per hour). OR \$15month \$150 year for <b>30</b> hours/month <i>(this popular package has just been increased from 20 hrs)</i></li> <li><b>3.</b> <b>UNLIMITED FREE time</b> from midnight until 7am</li> <li><b>4.</b> 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></li> </ol>	
<b>For complete details, call Don Sinclair VE3ICD at 884-7200</b>	

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