

Kilowatter

**The voice of the KW Amateur Radio Club
Since 1922**

Kitchener-Waterloo Amateur Radio Club

Box 34012 Highland Hills Postal Station;
Kitchener, Ontario N2N 3G2

EDITOR: Paul Cassel VE3SY (519) 634-5139

email: editor@kwarc.org

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

MONDAY'S MEETING

Date : Monday June 3rd 2002

Time : 7:30pm

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

Topic: **Our AGM (Annual General Meeting)**

Our Annual General Meeting

The June meeting is the official business meeting of the year at which time you will elect a new board of directors.

Pres Dennis will be calling on

our various committee chairman for their year end reports. Larry Gorman has informed the board he is not seeking a seat on the board for the upcoming year.

The board thanks Larry for his participation on the board. He has indicated he will remain as the ARES Manager for the club

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

June 3

Our Annual General Meeting and Election of Officers for next year

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

June 8 The Central Ontario Hamfest in Fergus

Upcoming Flea Markets

Central Ontario 28th Annual Amateur Radio Hamfest

Guelph ARC and Kitchener-Waterloo ARC

THIS SATURDAY

June 8, 2002,

Fergus Community Center

ONTARIO HAMFEST

hosted by the Burlington ARC

Saturday, July 6, 2002,

Milton Fairgrounds

Barrie ARC

Saturday,
September 7, 2002,
Barrie ON

London ARC

Sunday,
September 22, 2002,
London 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

Program	David Johnson	VA3MRJ	746-8939
Membership Chairman	Bill Graham	VE3ETK	576-3578
Technical	Ben Sasiela	VA3BNY	748-0445
Packet Users	Larry Gorman	VE3LGN	884-6782
Database Mgr	Dave Schwartz	VA3DGS	884-3594
Bulletin Editor	Paul Cassel	VE3SY	634-5139
Edu. Co-Ord	Ron Gimbel	VE3DBD	699-4488
Chief Examiner	Vern Stroud	VE3RVS	743-9342
Emerg. Services Chair	Ed Spike	VE3TCK	884-2129
ARES Manager	Larry Gorman	VE3LGN	884-6782
CANWARN Mgr.	Ron Gravelle	VA3TVS	569-8746
QSL Manager	Gord Gibson	VE3NOK	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 SIMPLEX	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

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

The Prez Sez

Dennis Tabbert VA3DLT President KWARC



Greetings to all,
This is my last Prez Sez column as club President. Thanks to everyone on the board and the committees who have made the task as President easier.

I was just checking my email and Norton Anti virus found two viruses. It seems every day another one pops up and the sender is someone that I don't know. They seem to be coming along with junk mail. I am sure glad I have my virus scanner set to retrieve the latest definitions automatically.

Things are looking very positive for the club. Our finances are in excellent shape despite the fact we completely

replaced KSR with a Mastr II 100 watt repeater and a brand new CAT-1000 controller with Windows interface, and all the bells and whistles including digital voice capabilities

At the Manheim site the old VE3RBM repeater has been replaced with a Mastr II GE repeater and new CAT200B controller.

This year is the clubs 80th anniversary, where did the time go; I wish someone has some old photos they can share with us at the next meeting. Marg is getting things organized for a dinner later this year to celebrate the anniversary

The June meeting is the official business meeting of the year. I will be calling on our various committee chairmen for a report. Larry Gorman has informed the board he is not seeking a seat on the board for the upcoming year The board thanks Larry

for his participation on the board.. He has indicated he will remain as the ARES Manager for the club.

Jonathan Doll VE3CBX is spearheading the field day this year, June 22nd and 23rd.

There are still bands available at the time I wrote this article, so check the website for details.

Bill Graham, our club vice president is offering code practice sessions for those who have a Basic license and want to get on the HF bands. The transmissions are on our NASA frequency of 147.510 and will occur unless there is some NASA activity to pre-empt them.

See you at the club meeting on Monday night.

73 and enjoy the summer

Dennis Tabbert VA3DLT
Club President

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



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

Your Editor and IRLP Node Host along with the Developer of IRLP Dave Cameron VE7LTD will be two of the featured speakers at the July conference in Vernon

May Meeting Digital Cameras and RAC

by Bill VE3ETK Photos by Jim VE3JMB

What a great night! Two presentations, three Guest Speakers!

Bob Cook VE3BDB, our Radio Amateurs of Canada Director was first up. He brought with him his assistant Sue, who was busy dispensing various RAC material from a table at the back.

Bob explained to us that RAC has seven Directors (although there are two vacancies at the moment), and went on to cover the responsibilities of a director, pointing out that it is a two way street – the members and even the non-members have responsibilities also. This line of reasoning



extends out to the clubs and their members because it is through these chains that RAC receives the information it needs to give Canadian amateurs good representation.

RAC and its members represent all Canadian amateurs at the World Radio Conference, and with the Canadian Government. As a result good interaction is needed between RAC and all Canadian hams.

I wish there was room here to include Bob's story about the three men travelling through the wilderness, but it



filled the house with laughter.

Bob then raised the question: What do amateurs expect RAC to do, and what are amateurs prepared to do? You can respond to Bob directly with your input, or via RAC. We also learned that a RAC Membership Drive will be underway soon, and that we should expect improved benefits to members.

Our second presentation included two speakers; Brian Clark VE3ULQ, and Robert Wilson, both of the KW Record. Their subject was digital cameras, and we learned that they range in price from \$60.00 to \$6000.00. Those high priced units do handle interchangeable lenses and will shoot pictures at a rate of five frames per second. Through video projection we saw the vast difference in image quality.

Beyond the basic cameras some form of removable image storage called a 'flash card' is included, with some of these cards holding 110 images – and they are reusable. With instant image retrieval and no film to purchase, that begins to make the prices of a middle range digital camera look attractive.

A short video presentation was based on

information available at the web site of Henry's Camera

<http://www.henrys.com/> if you wish to review it or look for more information.

Together Brian and Robert covered various aspects of their use of digital cameras, including topics like: lenses and magnification, including digital and optical; transferring data to a computer;



heavy battery use; equivalent 'film' speed; professional camera features; computer image editing and quality adjustments; and the transmission of images by telephone line and wireless systems.

The extensive Question and Answer period surely indicated to me the interest of the audience in Brian's and Robert's presentation. You missed a great night if you are only reading about it here.

Bill VE3ETK

Membership Report for June 2002

by Bill VE3ETK your VP and Membership Chairman

Well, here it is the end of another club year. We've had plenty of new members since September, and that's great news.

The other exciting news is our 80th Anniversary celebrations taking place at Doon Heritage Crossroads on June 22 and 23. Do come out and visit the show, which is being held in the Hall of Fame right next to our Field Day site.

The 80th Anniversary portion of this dual event will feature an early Telegraph system being operated live at the Doon Railway Station; and in the Hall of Fame, displays of early wireless communications equipment on loan from the Hammond Museum, with Paul VE3SY hosting; a display of 'home entertainment' equipment, commonly called Radio at the time, from the 1940's

and 50's through the kindness of a local company Grandpa's Radio. Excerpts of radio broadcasts from that time period will be playing; Amateur Radio transmitting and receiving equipment of the 50's and 60's will be shown by Gord VE3EOS and Bill VE3WFR, with some of it operational; and a most modern fully operational system of the Internet Radio Linking Project (IRLP), where visitors will be able to communicate with amateur radio operators in other parts of the world. Terry Green VE3NSV and Bob Pelling VE3XNB serving as operators. Visitor hosting and decorations are being organized by Lynda VA3LWH.

Bring the family, and even your neighbours. KWARC is using this

venue to tell the whole community about Amateur Radio, and create interest among the public in becoming 'hams'. We have co-ordinated press coverage as well, so lots of people you know should be talking 'Ham Radio' by the end of the month. What an opportunity to bring in new members. Do line up some visitors for the September meeting.

The 80th Anniversary is expanding with the new "KSR" now on the air, and plans for a big event this fall. See more details on the club web site. Just click on the 80th Anniversary headline.

Do have a happy and safe summer, with lots of contacts.

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



Sometimes I just get settin' back and thinkin'. Tonight I got thinkin' about my first Field Day. There we were on the Saturday morning waiting for 11AM to roll around, then at the appointed moment we started chucking gear into and old truck and rolling out to the site. When we got there the other teams for the other bands were arriving.

Soon tents were going up, towers being raised by block and tackle, wires getting strung between them, and the rumble of generators firing up. It was going to be a great weekend with the sun shining, the wind light, and the DX predictions in top form. Yep, the sun was shining very brightly and our tent became a little sauna. It had rained the night before and now all that moisture was coming out of the ground. Still, the signals were rolling in and our log was filling up.

The Armstrong method was our rotator and as the DX moved we'd make a dash outside and give the beam pole a yank accompanied from a yell in the tent, 'that's good, no back, NO BACK the other back, OK'. Mid afternoon we all felt the

temperature drop, saw the sky darken. Would we have to disconnect the antenna because of lightening? When the rain did fall the tent leaked and drips started to fall on the finals along with assorted spits and pops. One of the guys stood and held the tent roof high at that point and the water found another way down. Most people would have been discouraged, but not our crew. We were overcoming all the problems and the spirits soared. And the log continued to fill!

Supper was great. Hotdogs and Hamburgs. I hadn't had so much fun since I was a kid. We'd rotated operators for supper and I went visiting the other tents. I watched one fellow sending CW with his left hand as he wrote up the log with his right. No computers in those days. 80 meters was starting to open and they were making contacts into the middle states, and this on AM. Speaking of food – free coffee and donut for all who indicate at the meeting they read this article.

The night moved on and the rain stopped. The off crews started to get out the cards. Hearts was the favourite game. I grabbed some shuteye then took another shift, and watched the dawn come up. The DX faded from all directions then, but we had given it a good shot and did the club proud!

All too soon it was over, and the sun decided to come back full blast. Exhausted already and now sweating profusely we took down the tents, the towers, the wires, rolled up the cables, packed away the gear. As I drove down the highway, windows wide open, the sound of the tires on pavement sounded like the background hiss always present on tube gear, and I thought I could still hear DX under it all like a 2x2 signal. My eyelids drooped and snapped open, drooped and I pulled over to get a pop before I fell asleep at the wheel. Exhausted, sweaty, grumpy, dirty, and sunburned I had a quick shower, fell into bed to my wife's dismay and slept till dawn again. What a weekend.

And you ask, 'why would I ever do it again?'. Because it was one of my great Ham experiences and I was hooked. Did I do it again? You bet! Lots of times. Field Day is not only a great way to polish your operating skills and be ready for an emergency, it is a great way to build friendships within your club and experience ham radio at its finest.

At least, that's how IC it.

73 de QRV

[30]

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

RAC 2002
July 26, 27 & 28th
Featuring
British Columbia's
"OK ANAGAN"
RADIO AMATEURS OF CANADA

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

Welcome New Members

A hearty welcome from KWARC to all our new members. First, the folks who are taking our Ham Radio Course. Sorry you weren't listed last month, but we didn't have all the details and wanted to welcome you all at once:

Kitchener-Waterloo		Cambridge	Woodstock	Guelph
Wafic Ajoor	Ross Newkirk	Dave Shapma	Terry McKenna	Jeff Jennings
Ian Bucknell	Jaen Pedjase		Mike Payne	Peter Scully
Michael Chatel	Shana Green	St Jacob's	Rick Spurgeon	
Dave Fisher	Christa Guckenberger	Josh Pond	Elmira	New Hamburg
Danial Hunt	Jason Guckenberger	Darrell Pond	Rene Paquin	Greg Mudford
Brian Lowery				

And, our newest member Mark Fontes, who's also from Cambridge. We're looking forward to seeing you all at the next meeting.

Bill Graham VE3ETK
Vice-President and
Membership Chairman

Minutes of May Meeting

recorded by Secretary Dave Johnson VA3MRJ

Minutes of the general meeting KWARC May 6, 2002 recorded by David Johnson VA3MRJ

Meeting was called to order at 7:30pm by President Dennis, approximately 70 members and guests were in attendance.

The first guest speaker was Bob Cooke VE3BDB who is the district representative for RAC. Bob spoke to us about his role with RAC and the need for members to tell him how he may help fellow amateurs in RAC matters. Bob had an able helper manning the RAC table, Sue VE3SUH.

Our feature speakers were Brian Clarke VE3ULQ, and Robert Wilson. These gentlemen are from the local newspaper, the Record, and are very qualified in digital photography. They showed us the difference in different cameras and answered many questions from the members.

The 50/50 draw was \$ 23.49 and was won by Harold VE3DWH.

RAC had donated a years membership as an additional door prize and it was won by Robert VE3FVF.

Hugh, VE3IYG spoke on the upcoming flea market and the need for volunteers to help set up on Friday night and take down the tables on Saturday afternoon. He thanked Bill, VE3WFR for taking flyers to the last Hamfest.

Larry, VE3LWH, needs 3 or 4 persons to help at the admission table. Larry also requested help from members with a "Bike for Life" event on May 27.

Linda VE3LWH requested volunteers for Camp Everton.

Motion to adjourn by Drew and seconded by Mary.

Minutes of May Exec Meeting

recorded by Secretary Dave Johnson VA3MRJ

Minutes of the KWARC Executive meeting May 7, 2002 recorded by David Johnson VA3MRJ.

Present: Dennis VE3DLT, Paul VE3SY, David VA3MRJ, Bob VA3MCK, Dave VA3DGS, Ben VA3BNY, Bill VE3ETK, Ron VA3TVS, Larry VE3LGN

Meeting called to order at 7:34.

President elect Bill had a meeting with the 80th anniversary committee. Would be a co-event with Field day, Doon has asked us to stay till Sunday. Area needed for IRLP, Hammond display, Club info, Grandpa Radio lounge. Committee members are Paul Cassel, Bill Riddell, Terry Greene, Bob Pelling, and Gord and Linda Hayword.

Motion: Bill VE3ETK, 2nded Larry: that the club supply the 80th Anniversary Committee with \$ 100.00 for an operating fund for communication day. Motion carried.

Paul suggested, with Marg's help, that the club have a banquet in the fall.

Motion: Paul VE3SY, 2nded by Bill : That the club executive endorse the idea of an Amateur Radio Week, with a banquet, budget to be presented in June.

Motion carried.

President Dennis suggested that we present an award certificate to all course graduates. Board was in favor but we would have to do it in the fall. Recommended that we move up the start date of the course so that certificates could be presented in June.

Fred Lowe is helping Jonathon with field day. There was a request for funds for field day.

Motion: Ben VA3BNY, 2nder Bob that we supply \$ 100.00 to the field day committee for operating funds.

Report from Paul on donations made by the club on behalf of silent keys.

Donations were: on behalf of Oliver Ketchabaw VA3OL, \$ 69.74 to Cambridge Hospital Palative Care. A donation was made to CNIB of \$ 122.08 on behalf of Art Squirrel VE3IYN.

Larry had a request for help for the Bike for Life event May 27, 4:30 to 6pm. Conestoga College to St. Mary's High School.

Ron stated that the old CanWarn pagers were being returned to Enviorment Canada.

Ed Nowak has confirmed that high speed Internet is being supplied to the Can Warn desk at the fire hall.

Motion: Larry, 2nder Ben, that the club reimburse Ron for the cost of the nic card for the computer. Motion carried.

Motion to adjourn by Larry, 2nded by Paul

Hamvention® 2002

The 2002 Dayton Hamvention is history and will no doubt be remembered as one of coldest and wettest since the Hamvention moved to the May time

frame.

There were a number of KWARC members in attendance however many who normally made the trek stayed home for various reasons.

According to the ARRL web site Yaesu showed its new "portable base station" FT-897 HF/VHF/UHF transceiver--a pumped-up version of the

highly popular and diminutive FT-817-- as well as its FT-8900R four-band FM transceiver and VX-7R hand-held, among other products.

Ten-Tec displayed a prototype of its new top-of-the-line Orion transceiver, which will replace the OMNI series of HF transceivers. Ten-Tec says the Orion will be available later this year. The Tennessee company also showed its new Argonaut V IF-DSP 20 W transceiver for HF.

ICOM debuted its new IC-2720 dual-band mobile and had its *D-Star* digital "concept radio" system on display.

Elecraft showed its new 100 W K2 HF transceiver as well as the 100 W internal integration kit for existing K2s (which completes the K2 as a K2/100).



The KWARC Y.T.D. FINANCIAL REPORT

As required by the club's bylaws, here is my year-end report to the membership on the state of the club's finances. Below you will find an extract from the ledger database summarizing the revenue and expenses by category.

A windfall in revenue resulting from the auctioning and other disposal of equipment donated from several estates and other sources has enabled the club to invest in several infrastructure improvements. Specifically, both the KSR and RBM voice repeaters have been upgraded with state-of-the art controllers and commercial-grade radios. These auction revenues also largely compensated for the elimination of the patch fees now that the KSR and RCK patches have become open.

Otherwise our largest expenses are printing of the bulletin, mailing of the bulletin, insurance, rental of the meeting hall and the phone lines for the patches.

The club continues to have on deposit with the fleamarket committee (a joint venture with the Guelph club) a float fund that has been increased from \$700 to \$900 due to rising expenses that must be paid before the revenue is realized.

In total, we started the fiscal year with 3038.80 in bank deposits and petty cash and, at this point as we near the end of the fiscal year, have 2712.54 remaining. As the June meeting typically brings a large number of membership renewals, the deficit will likely be erased before the end of the fiscal year.

Submitted by Dave Schwartz
VA3DGS, Treasurer

Balance forward: \$3,038.80

Revenue

Membership fees	2939.63
Fleamarket table	77.00
50/50 draw	168.75
auction revenue	3132.04
Class fees	455.00
other rev. sources	56.00

Revenue total: \$6,828.42

Expenses

Production	1031.99
Postage	762.18
Equipment, supplies	22.96
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	39.45
Facilities exp.	250.00
Equipment exp.	153.60
Coffee, donut exp.	30.56
Speaker certificate exp.	26.45
Meal exp.	40.17
KSR telephone exp.	263.49
KSR new equip. exp.	2186.71
RCK telephone exp.	236.57
Field day exp.	100.00
COARF fleamart exp.	200.00
Emergency event exp.	22.95
Banquet exp.	56.00
IC QSL card exp.	60.00
RBM new equip exp.	436.80

Expense total: \$7,154.68
 Revenues less expenses (326.26)
 New Balance: \$2,712.54
Other assets:
 Fleamarket float \$900.00

CQ-WPX CW Contest at VE3SY QTH



Nick VA3NA from Toronto spent the May 24th weekend at the QTH of Paul VE3SY utilizing his antenna farm for the WPX CQ contest with the special prefix of XL3NA. Last year Nick operated from the U of W stations and made a good showing in that contest. This year Nick was

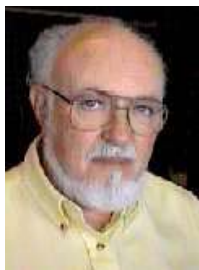
using a FT-1000MP Mk V barefoot and as of press time was wracking up a very competitive score

Nick is an apartment dweller and normally operates with a balcony mounted vertical so the chance to use a better antenna set-up is never passed up.

Last year Nick and Sinisa VA3TTN wracked up 2377 Qs with 772 prefixes for a score of 5,543,732 using the antennas at the University of Waterloo. This year Nick ran the test alone as single operator low power. This issue went to press before the end of the contest.

KWARC IS 80 YEARS YOUNG!

By Bill VE3ETK your anniversary Chairman



Congratulations to all the KWARC members! KWARC is celebrating its 80th Anniversary this year. We believe that this makes us one of the oldest public service organizations in the twin cities and region.

The first event of that celebration is the fact that the new VE3KSR repeater is ON THE AIR!

The second event is a Communications Day being held in conjunction with Doon Heritage Crossroads, in their Hall of Fame, on June 22 and 23, 2002. This is co-incident with our annual Field Day, which, as you will know, is a simulated emergency participated in by radio amateurs all over North America.

The 80th Anniversary portion of this event will feature an early Telegraph system being operated live at the Doon Railway Station; and in the Hall of Fame, displays

of early wireless communications equipment on loan from the Hammond Museum, with Paul VE3SY hosting; a display of 'home entertainment' equipment, commonly called Radio at the time, from the 1940's and 50's through the kindness of a local company Grandpa's Radio. Excerpts of radio broadcasts from that time period will be playing; Amateur Radio transmitting and receiving equipment of the 50's and 60's will be shown by Gord VE3EOS and Bill VE3WFR, with some of it operational; and a most modern fully operational system of the Internet Radio Linking Project (IRLP), where visitors will be able to communicate with amateur radio operators in other parts of the world. Terry Green VE3NSV and Bob Pelling VE3XNB serving as operators. Visitor hosting and decorations by Lynda VA3LWH.

We plan on having two IRLP stations operating, one on VHF and the other on UHF to put as many visitors on the air as possible.

Doon Heritage Crossroads has become an excellent partner in this event as they have been for past Field Days. Together we invite all and any to come to the event between 10AM and 4PM on either day to enjoy this historical perspective and modern communications event. Upon completion of visiting the displays and participating in 'on the air' transmissions visitors are also invited to witness the simulated emergency communications taking place during Field Day. Regular Admission will apply for the public but will be FREE for our Field Day volunteers, the 80th Anniversary team, and any senior 55+ who is a volunteer in the

community. If you'd like to help with the 80th Anniversary event at Doon please contact one of the team leaders noted above.

Keep your eyes on this page for further information, in particular an event for all of our members that is under planning for this fall.

Amateur Radio Emergency Service The ARES Report by Larry Gorman VE3LGN



As part of a Canada wide awareness campaign, the K-W Community Justice Initiatives agency was asked to organize the K-W section of a father and daughter team that is currently biking from Ottawa to Vancouver Island.

The K-W section took place on the evening of Monday 27 May. Our club's ARES group was asked by Melissa Uhlig, the agency rep to assist in monitoring their progress.

Radio operators were needed to monitor progress at strategic points. This event was an ideal opportunity for our KWARC ARES organization to operate at a public event.

Due to the nature of the route, it was determined that we could not rely on a simplex frequency. In a discussion at the May Executive meeting Ben VA3BNY suggested that VE3RCK 146.865 would be our best alternative.

Ben provided several mag mount yellow roof lights to identify our vehicles. He also had the distinction of leading the event from its start point at Conestoga College -

Doon campus to the old St. Mary's School in downtown Kitchener. Dave rode shotgun in the St. John's ambulance.

We were invited back to a reception at the new St. Mary's High School at the conclusion. The purpose of this successful event was to raise money for suicide prevention and mental health awareness.

Our group included Norm VE3DEQ, Dave VE3DUA, Gord VE3GWE, Ben VE3BNY, and myself.

Larry Gorman VE3LGN ARES Coordinator for the K-W Amateur Radio Club

First Annual IRLP International Owners Meeting – Las Vegas NV

Your IRLP node host Paul VE3SY travelled to the first (what is hoped to be) International IRLP Annual Owners Meeting held last month in Las Vegas. Approximately 20 owners were in attendance including Chuck NONHJ the node owner from McMurdo Stn in Antarctica. Our host was Kent W7AOR the node owner in Las Vegas as well as the owner of the Western Reflector located in Las Vegas.

Those in attendance saw the future plans for the orderly growth of IRLP laid out by the IRLP developer Dave Cameron VE7LTD. Dave reviewed the new Super Reflectors which will see several of the major reflectors having up to six additional reflectors on each machine. These "Super Reflectors" will also serve as redundant back up IRLP servers.

The adjacent photo is the group picture.



Some of the KWARC Members at QCWA Spring Meeting



A good showing from the KWARC at the recent QCWA (Quarter Century Wireless Association) Spring meeting and dinner held at the Plainsman Restaurant at Waterdown. Seated above just after

enjoying the wonderful buffet lunch is (l-r) Jean and Ron Gimbel VE3CBQ and VE3DBD, Harold VE3DWH and Doc Barton VE3FVF of Baden.

Guest speaker at the meeting was KWARCs own Paul Cassel VE3SY who made a presentation on IRLP.

Our 80th Anniversary Banquet

Stay tuned for details of our 80th Anniversary Celebration Banquet and Awards Night.

It is planned to be held shortly after Thanksgiving with exact date to be firmed up and announced at the June meeting.

This will be a once in a life time event so be sure to pass the word to any old timers as we would like to have some stories shared with us from the early years.

**If you can volunteer to assist contact
Marg VE3RE 634-5139**

Technical Report June 2002

This is the final report from the technical committee until September, and although we have lots of activity planned during the summer, I'll try to bring everyone up to date of work completed so far. As many of you have already heard, the new sound of VE3KSR, with thanks to VE3 Sugar Yankee, who toiled away aligning and tweaking the new equipment, we have installed the new Mastr II repeater at the Baden Hill. At this time, we have not installed the new controller until we are convinced that all the bugs have been resolved, interface to the ULR system is



Tedd VE3TJD and Dave VA3MRJ shown adding the Tone Squelch Encoder to the new KSR. The old KSR is at the top right of the photo

correct, and any last minute modifications have been done and tested. The new repeater is running more power, with slightly better receive and much improved audio, (At least I think so) I have included a picture of the repeater, as seen rack mounted in the shack. We did encounter

some problems installing the encode/decoders, but that has been resolved (it helps to read the manual). As you are aware, we purchased two of these rock solid units, and plan to convert the second one very soon to provide a duplicate back-up unit should it be needed.

Also at the Baden site, KWARC granted privileges to the Stratford Amateur Radio club to install a voter receiver that extends the receive range for their repeater. This is one of several voters that they have placed into service. The Stratford Club has a cross band repeater using 144.550 MHZ VHF receiver with tone access of 114.8 PI, simple cor board with timeout timer, 223.680 MHZ transmitter outputs of around 10 watts with transmitted pl tone of 114.8hz. There are two intermod filters to isolate the



receiver from interference, 15-amp power

supply with battery backup. The system uses separate receiver and transmit antennas, a single 210C and a four element 220 mhz beam to transmit back to the receive site in Stratford, where the signal is transmitted out on 145.150 MHZ at 100 watts (VE3RFC.) This solves the problem of receive signal loss due to hilly terrain and the Baden hill, giving coverage to the Kitchener area. VE3RFC is an A.R.E.S. repeater with Canwarn traffic and a weather alert radio giving early warning for the area.

The other links are at Wildwood near St Mary's, and another link going up on the 185-ft water tower in Listowel, to cover to the north. There is a local receiver in Stratford for the city. KWARC donated a surplus Sinclair 210C1 antenna to Stratford, which is being used as their receive antenna at the Baden hill.

We plan to keep everyone up dated on events during the summer through our clubs web site, so check in often, and get the latest summer news from the technical committee.

Lastly, I would like to express my appreciation to the members of the committee for all the hard work they have done during the year in keeping clubs equipment running, and BIG thanks to Paul Cassel for all his assistance and resources. As your clubs technical chairman, I look forward to the members guidance and direction for the next year. Please e mail me if you have any difficulties or concerns during the summer.

VA3BNY
Ben Sasiela
Chairman Technical Committee
va3bny@rac.ca

**NEWS
FROM
RAC**



**Your Voice in Ottawa.
The
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**Radio Amateurs
of Canada
720 Belfast Road
Suite 211
Ottawa, Ontario
K1G0Z5**

Canada may lose the North Magnetic pole soon

According to Larry Newitt of the Geological Survey of Canada, the North Magnetic Pole could leave Canada as soon as 2004, and migrate north of Alaska and eventually wind up in Russia.. The magnetic pole, which has steadily drifted for

decades, has picked up its pace in recent years. If the pole follows its present course, it will pass north of Alaska and arrive in Siberia in a half century, but Newitt cautioned that such predictions could prove wrong. "Although it has been moving north

or northwest for a hundred years, it is not going to continue in that direction forever. Its speed has increased considerably during the past 25 years, and it could just as easily decrease a few years from now," the geophysicist said.

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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