

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

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

MONDAY'S MEETING

Date : Monday May 6th 2002

Time : 7:30pm

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

Topic : **DIGITAL CAMERAS**

Everything You Ever Wanted To Know About Digital Cameras But Were Afraid to Ask

The Monday meeting of the Kitchener Waterloo Amateur Radio Club will feature a return presentation on Digital Cameras by Brian Clark VE3ULQ and Robert Wilson from **The Record**.

When Brian and Bob last spoke to us in February 1998, digital cameras were quiet new and expensive and had not yet moved into the mainstream of the newspaper business.

However new technologies and lower costs have brought high

quality cameras into range for most consumers. It is expected that over 50% of Canadian households will own a digital camera before the end of this year.

Several types of camera's and there related specialities will be shown, as well as how the image is enhanced and corrected through the usage of computers.

So come out and here our two Guest speakers show how Digital Camer Technology works and is

used in the local [KW Record](#).

As well our Radio Amateurs of Canada Director **Bob Cooke VE3BDB** will be talking on what his plans are as our new representative. This is your opportunity to let RAC know what it can do for you.

Please come out and enjoy our last entertainment program for the year, June's meeting will be our annual general meeting and elections.

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

Skywide ARC
Westway United Church,
8 Templar Drive, Etobicoke
May 11, 2002

**Central Ontario 28th Annual
Amateur Radio Hamfest**
Guelph ARC and Kitchener-Waterloo ARC
June 8, 2002, Fergus 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
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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 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

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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 coming meeting will be a busy one, perhaps the highlight of the season! Please arrive early and grab a seat as we expect a full house!

The meeting will start at 7:30 pm sharp. Dave Johnson VA3MRJ, our program chairman, has lined up an agenda of excellent speakers for the evening, don't miss it!

The guest speakers include Bob Cooke VE3BDB, RAC Officer for Southern Ontario. Bob is looking forward to talk about RAC to amateur operators in this region. For those who want to be informed about the umbrella organization and/or who know Bob personally, this presents a golden opportunity. As such, we are extending an invitation to neighbouring clubs to attend this meeting.

The other scheduled guest speakers are Brian Clark and Robert Wilson from the KW Record speaking on digital cameras. This topic has become very popular in

the last year as many of us are acquiring digital cameras. There will be a question and answer period after the presentation, so write down your questions now and bring them to the meeting.

Please write down the following dates in your calendar for the K.W.A.R.C. meetings for the coming year these meetings will be held at the Wing 404:

Sept 9th 2002

Oct 7th 2002

Nov 4th 2002

Dec 2nd 2002

Jan 6th 2003

Feb 3rd 2003

Mar 3rd 2003

Apr 7th 2003

May 5th 2003

June 2nd 2003

The club elections are coming up in June. As discussed at the last executive board meeting, the possibility exists that there will be 3 vacancies on the board, so something to think about when June rolls around.

Also something to think about is the annual Flea market. As we all know, it

is one of our major fund raising events of the year. Hugh Baird, chairman of the flea market committee, has been working very hard on this project. He has asked for volunteers and will have sign up sheets at the meeting, whether it's coming down Friday night putting up tables, or helping out Saturday. Don't forget there is camping adjacent to the site, which makes it very handy for the out of town'ers!

During the last part of May, early June, I'm asking the technical committee to hold an open house at the "hill" to show off our new acquisitions we made during the past few months.

I will be "twisting their arm", and hopefully a date will be announced soon!

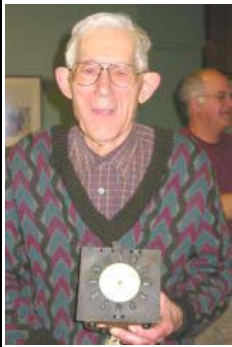
Lastly, on behalf of the K.W.A.R.C. membership; I would like to thank Paul Cassel who made this all possible. He sold equipment donated to the club on the Ebay online auction site. Through his efforts the proceeds are in excess of \$2,800.00. As previously agreed upon at the board meeting, this money will be used to upgrade our clubs equipment.

See you at the club meeting on Monday night.

Dennis Tabbert VA3DLT
Club President

According to a recent Readers Digest, during a Show and Tell session in a Grade 1 class one student said "We had to take my little brother to the hospital yesterday". The teacher asked "What did he have?". The student replied "Red Jello."

Well, at our April 8th meeting we had red Jello, green Jello, yellow Jello, in fact a veritable rainbow.



Eric VE3BB was up first and showed us a very ingenious 24 hour clock designed by Ross Caruthers that he, Eric, had put together. An inexpensive electric clock formed the foundation, with a front plate which replaced the numbers with new GMT numbers and by means of a small lever shifted at 1200 to a new set of numbers from 1300 to 2400. Nicely built and very handy.

Bill VE3ETK showed his recent project, an FM Discrimination Meter. Bill explained the functions and how it had been made from an older crystal controlled FM receiver. Bill reported that the 'out of pocket' expenses for the project were less than \$10.00 with the rest coming from the proverbial Junk Box.



Ron VE3DBD was last, but certainly not least. Ron told us about a great and reportedly very accurate SWR meter he picked up at a Flying J truck stop while on a recent trip. He was impressed and the price was certainly right. Now I've heard everything: Ham radio parts at a truck stop.

Tedd VE3TJD was up next for a brief demo of his new hand held oscilloscope that gives a digital display up to 5 MHz. All for less than \$300.00. Tedd passed the unit around for our personal 'scope pattern using our finger on the sensitive input lead.



Jonathan VE3CBX explained about his QRP transmitter that had been built into his Yaesu FRG-7700 receiver and some of the extraordinary results he had achieved with it. Jonathan passed around the circuit diagram for the transmitter. Nice design and very compact with toroidal coils etc. By the way, he loads it into his hot air pipes for an antenna. Who says you can't get out with only 10 watts?



Bob VE3FVF had a museum piece voltage regulator circa 1945. He explained that as more current was drawn, reducing the voltage, a solenoid was drawn out (step by step) which altered the pressure on a carbon pile thus allowing more voltage to pass. The unit, complete with shock absorbers for vehicle use, must have weighed in at 5 lbs. And to think that today we do all of this with a chip that will rest on your fingernail.



Paul VE3SY had Version 3 of the IRLP board on hand to show us. So tiny with so many features. David Cameron VE7LTD, the originator of IRLP has been hand wiring the boards to date and with about 380 nodes on line that's a lot of hand wiring. Version 3 is 100% machine built by robotic insertion equipment using all surface mount devices. Paul's board is one of the first 3 'off the press'. Paul was kind enough to pass the board around. I hope none of us passed any static electricity into those chips.



Gord EOS, who specializes in AM, had a neat little AM detector board that minimizes distortion through the use of a couple of new diodes with very minimal voltage drop. Couple them up with an IC chip using appropriate feedback and it becomes a super detector. Gord plans

to add a phase locked loop for perfect alignment to an incoming carrier so that both directions of communication will be clear and clean.

All in all a great and interesting evening. Just another example of what you can learn about at the monthly KWARC meetings.

Bill VE3ETK



**The Canadian
National
Institute
for the Blind**

Over 460 blind and visually impaired amateurs across Canada enjoy the services of the CNIB Amateur Radio Program.

Founded in 1967, the Program fosters Amateur Radio as a hobby for the blind and visually impaired.

Walter Young, VY2WSY, of Pleasant Grove, P.E.I. became a participant after reading about the Program in the CNIB Vision magazine: Walter said, "Years ago as a teenager, my uncle tried to get me interested as he was a 'ham.' I never thought more of it until I read this article. I realized I should have a hobby to keep myself occupied and it renewed my interest."

The Amateur Radio Program provides assistance to any blind or visually impaired person who wishes to become an Amateur Radio operator, including training, testing and equipment supply.

We provide training through audiocassette tapes as well as Braille and large print. We will also find volunteer Radio Amateurs, both blind and sighted, to help anyone interested in getting started.

And in order to make radio equipment more accessible and affordable, we have a leasing plan as well as a free loaner program.

Participants in the Program also receive newsletters and magazines on tape regularly throughout the year.

Our challenge is to locate blind and visually impaired people who are not aware of the Amateur Radio Program and the services we provide. If you know of someone who would enjoy becoming an Amateur Radio operator, please contact us at the number below.

The Program is financed by donations from three sources, Amateur Radio Clubs, individuals, and charitable foundations. We rely on clubs and individuals each for about one-third of our operating funds, with the remaining third coming from foundations. Clubs have found various means of raising funds for the Program, including adding an additional dollar at flea markets and

other special events, an extra dollar on the membership fee, and outright donation from the club treasury. Individuals contribute through donating equipment to the Program which, if unsuitable for use by the blind, is then sold with proceeds going to the Program. They also contribute by cash donations during their lifetime and by bequests in their wills. Recently one individual left \$35,000 with the money earmarked for purchase of loaner rigs. Each contributor receives a receipt from the CNIB as a charitable donation for tax purposes. Without this financial support, we could not continue the Program.

Please make your cheque out to:

**'CNIB Amateur Radio Program'
1929 Bayview Ave.
Toronto, ON
M4G 3E8**

We are pleased to announce that Randy Nelson, VE3WRN, is our new full-time manager. Randy has been an active participant in the program for over 12 years and is excited about his new role. Please feel free to call him with any questions at (416) 480-7438 or by e-mail at amateurradio@cnib.ca.



The Program is sponsored by the CNIB but managed and financed through fundraising activities and a dedicated team of volunteers.

Visit our website at
www.cnib.ca/amateurradio.

Sidebar Article

Walter Young VY2WSY 30, of Pleasant Grove PE became interested in Amateur Radio after reading an article in the CNIB Vision magazine.

"After losing my eyesight to macular degeneration, I came across an article by a lady that was involved in Amateur Radio. Years ago as a teenager, my uncle

Bruce MacLean, VY2BM tried to get me interested as he was a "ham". I never thought more of it until I read this article. I realized I should have a hobby to keep myself occupied and it renewed my interest."

"I contacted George Fanjoy VE3PEB, chairman of the program in Toronto and requested more information. I received training cassettes on theory and Morse code. I then called my uncle Bruce to see if he would help. We met once a week on Sundays. Bruce explained the theory and taught me Morse code. He had an old straight key with an oscillator that we practiced with. Bruce would send something to me in code and then I would send it back to him. That was over the course of last winter."

"In August of 2001, I was ready to take my test. The Amateur Radio Program was very helpful in offering assistance to my instructor and examiner. The Morse Code test was a breeze. I was averaging 8 words per minute. I think it was my persistence in learning code that helped. I was very nervous during the exam. Before I knew it, it was over. Two weeks later, I received my Amateur Radio license in the mail. The initials in my name are part of my callsign VY2WSY."

"I received a call from Randy Nelson VE3WRN, manager of the CNIB Amateur Radio Program congratulating me on becoming an Amateur Radio operator. He said I would have a surprise coming in the mail. That turned out to be a plaque with my callsign."

I would like to thank my uncle Bruce for all his efforts in assisting me.

I would also like to thank members of the Charlottetown Amateur Radio Club for their support. I especially appreciate the efforts of Ernie Buchan VY2ERN for examining me. There are too many other names to mention here. Last but not least, I would like to thank the CNIB Amateur Radio Program. Through their lease program, I purchased an HF rig to get on the air. I enjoy the White Caners net on 80 meters."

EDITORS NOTE:

Randy VE3WRN is the Manager of the CNIB Amateur Radio program. He is a long-time resident of Waterloo and is a member of KWARC

Charlie Shedden, VE3NV - SK - April 16, 2002



Charles Shedden VE3NV - Passed away, at St. Mary's General Hospital, Kitchener, on Tuesday, April 16, 2002, at the age of 95. Charlie was a long time member of the Kitchener-

Waterloo ARC and has spent the past number of years at the Meadowcroft Nursing Home.

Charlie was a professional engineer for Ontario Hydro for many years and was first licensed in the late teens while

residing in Woodstock and operated on spark from above his parents store.

Ted Bodman VE3CD remembers first working Charlie in 1937 when Charlie while

Survived by his great-nephews, Scott Symons of St. Catharines, Blake Symons of Manitoba and his great-niece, Margaret Larocque of Guelph. Charlie was predeceased by his wives, Margaret in 1975 and Leah in 1998 and his sister, Gertrude Rowe.

Relatives and friends were welcomed by the family at the Edward R. Good Funeral Home, on Friday, April 19, 2002

followed by a memorial service in the funeral home chapel at 11 a.m.

At the service several members of the skating, model railway, and ham radio clubs that Charlie belonged to eulogized his past.

Interment is to take place at a later date in Presbyterian Cemetery, Woodstock.

As expressions of sympathy, donations may be made to the Grand River Hospital Foundation or the St. Mary's Hospital Foundation and may be arranged through the funeral home at 745-8445 or www.edwardgood.com

Camp-X Back on the Air May 11 - 12, 2002

Camp X

Camp-X was where 'agents' trained before being parachuted into Nazi occupied territory to not only lead the resistance movement, but to provide valuable information to invading Allied Armies. Camp-X was administered by British Security Co-ordination under the leadership of Sir William Stephenson, known as Intrepid. An integral part of Camp-X was Hydra, the top secret radio transmitting building that received data from all around the world. The majority of the Hydra operators were Amateur Radio operators.

The public is invited to join in the festivities and see static displays.

Time:

1300 hrs to 0100 hrs UTC May 11; 1300 hrs to 1900 hrs UTC May 12

Location:

Camp-X Intrepid Park in Whitby, Ontario, Canada

Information:

email: va3fhg@hotmail.com

Sponsors:

North Shore Amateur Radio Club of Oshawa, South Pickering Amateur Radio Club, Whitby Amateur Radio Club, Camp-X Historical Society and 2 Intelligence Company (Canadian Forces Reserve)

Call Sign:

VE3SCX (Secret Camp-X)

Bands:

80 / 40 / 20 / 10

Modes:

SSB and CW (as operators become available for CW)

QSL Cards:

We will be providing a colour commemorative QSL card for those interested upon request. For our QSL a letter size SASE please. to:

Fred Bengel, VE3TIG
679 Aruba Crescent
Oshawa, Ontario
L1J 6B7
e-mail: ve3tig@rac.ca

The KWARC Morse Code Practice Underway

by Bill VE3ETK

By the time you read this KWARC's Morse Code practice sessions will be back on the air. By using 147.510 we were not tying up a repeater, but it was done with the understanding that if there was a Shuttle or other space vehicle 'up there' and NASA was broadcasting, Code would have to stand down.

We have had a Shuttle up doing vital

work on the Hubble, so there was a break in CW lessons. Please don't let the interruption in the CW schedule hold you back. Just look at it as though there was



a lot of QRN on W1AW for a few nights and you couldn't hear them. Like a lot of ham radio things, you just go back at it and keep up the good work.

The schedule will be as it was: Tuesday and Thursday nights at 7:30 PM and Sundays at 3:00 PM (all local time).

73, Bill VE3ETK

KWARC Tech Report

by Ben VA3BNY

The technical committee has been slowly improving facilities at the Baden site, removing unwanted equipment for disposal, rearranging the existing radio's to better suit the site and to provide extra space to accommodate the new KSR repeater, and just a good general spring clean up which will include painting the floor and entrance door. The committee acquired some hefty back up gel cell batteries that will keep radio's working for a substantial period of time during power outages anticipated this summer. These

will be brought on line as soon as suitable power cables are installed between the batteries and the power supply.

The modification of the new Mastr II repeater is coming along just fine, and will be on line by the summer months. The tech committee will be providing members with a list of features that will be available with the new controller. With all the changes, the technical committee will be conducting a complete inventory of all club equipment to assure we have an accurate database of each site.

Should any member observe our clubs equipment malfunctioning, or require information, please inform the Technical committee using either the trouble report log on the clubs web site, or direct to any tech member, or call my home number 748-0445 (answering machine available). E mail is Va3bny@rac.ca

de Ben VA3BNY Tech Chairman

Executive Committee Meeting April Minutes

David VA3MRJ Secretary

Minutes of the KWARC Executive meeting April 8, 2002

Present: President Dennis Tabbert VA3DLT, Bob McKie VA3MCK, Larry Gorman VE3LGN, David Johnson VA3MRJ, David Johnson VA3MRJ, Paul Cassel VE3SY, Bill Graham VE3ETK

Meeting called to order 7:36 at the home of Paul Cassel.

A brief discussion took place regarding the new students in the Ham course and making sure they know they are welcome to attend our general club meetings. The board would like to see the relationship between the students and the club strengthened. Bill VE3ETK, as membership person will work on this.

Agenda item # 1)

Booking of club meeting with the City of Waterloo for Wing 404. It was decided that the Program Chairperson shall be responsible for the bookings. We are to book 2 years in advance so that the incoming Program Chairman will book the 2nd year remaining when they start. All City of Waterloo correspondence is currently coming to Dave's house (DGS). David (MRJ) is to book the next 2 years as soon as possible.

Motion by Bob, 2nded by Bill VE3ETK, that the club add a portable microphone and make it work with Wing 404 system. Motion carried.

Bill VE3ETK offered to donate a wireless microphone to the club.

It was felt that the Club should not rely on members equipment, and that Ben's (VA3BNY) system was too complicated to set up. We are to try and get City of Waterloo to allow us to install permanent jacks for the microphone. A projector screen was also discussed, to purchase a used one or see if the Wing 404 could have one on hand on a permanent basis since we use one at almost every meeting. Also a storage locker if possible to keep the microphone in. David (MRJ) was assigned this task.

Agenda Item #2)

KSR repeater status. Ben was absent, Paul VE3SY commented that he had his test equipment back and was also waiting for Ted VE3TJD to finish some work on RBM since a related problem is common to both repeaters. Ben has the controller and is wiring it up.

Agenda Item #3)

Dennis VA3DLT would like to do a

complete inventory of Club Equipment before handing over the reins to Bill VE3ETK. Dave(DGS) said that there is a list on the web site but its difficult to use because of inadequate description or missing make and model numbers. Some equipment is home made as well. It was recommended that we create inventory numbers and attach them to the equipment then record the equipment under the new number. Dave (DGS) will create new fields and numbers. This inventory should be completed by the Tech Committee.

Agenda item # 5)

The upcoming election was discussed and the procedures to be followed. It appears they may be 3 vacancies on the board due to retirements and it was felt that we may not have an election since finding people to serve on the board is very difficult, and an election is unlikely. Paul was to print a list of members and circulate it to the current board to help identify prospective board candidates.

Motion to adjourn by Larry VE3LGN, 2nd Bill VE3ETK9:20pm

Thanks to hosts Paul and Marg for the cookies and coffee.

Minutes of April 8th 2002 KWARC Meeting.

David VA3MRJ Secretary

Minutes of the General Meeting of the Kitchener Waterloo Amateur Radio Club for April 8th 2002.

President Dennis called the meeting to order at 7:40 PM. The introduction of members and guests followed with approximately 41 persons in attendance.

Ron announced that's we have 21 students in the Ham course, that's 21!!

Tonight's program was Show N Tell with 8 members showing their projects of interest. See Bill's article for a detailed description of the program.

An announcement was read reminding the

members about the CanWarn training taking place April 17 at 7pm. The location is At the Davis Centre, U of Waterloo room 1302, the same location as last year.

Hugh, VE3IYG spoke to the members requesting volunteers for the upcoming Hamfest on June 8th in Fergus. Volunteers are needed to set up tables the Friday night and take down the tables Saturday after the Hamfest closes. Members are needed to man the Club table, admissions and parking. Please call Hugh or Rich VE3DCC if you can help out.

Linda VE3LWH reminded us of the need

of volunteers for Camp Everton, which will have the theme of Amateur Radio for this year.

Special thanks to Dave VA3DAS for the donation of a 2-meter radio to the club. The sale of the radio will help raise funds for the KWARC equipment fund.

President Dennis won \$ 17.00 on the 50/50 draw.

Thanks to Fred for looking after the coffee and donuts.

Motion to adjourn the meeting, 2nded by Drew meeting adjourned at 9:30pm.

A Call for Field Day 2002 Operators

by Jon VE3CBX



Welcome to the beginning of an exciting adventure for 24 hours in simulation of an emergency civil defence exercise with the Kitchener Waterloo Amateur Radio Club on

the 22-23 June 2002.

This year we welcome all operators to bring along with them a challenging spirit kwarc

of vitality and enthusiasm as we gather together in harmony, taking on the tasks of responsibility in providing a system of communications, independent of all connections to the real world commercially provided necessary day to day accessible provisions.

Using our operating skills as we form a team to take hold of all the given frequencies and operating modes that are

required in making a successful Field Day operations in our region.

Join us on the June 22 weekend at the Doon Heritage Crossroads (Pioneer Village) and be part of this years Field Day.

I will welcome your replies by email jdoll@rim.net or phone at 624-7020

Jonathan Doll VE3CBX

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



Twenty meters was really hot tonight. I made contacts with Europe, Africa, and even a ham on a ship in the North Atlantic. As I signed off with him my mind went back into the mists of the past, back to the end of 1951 and the beginning of 1952.

Four days before Christmas of '51 a Danish-born captain named Kurt Carlson left port with a cargo of iron, in a freighter called the Flying Enterprise. The next day Carlson's vessel ran into a hurricane in the North Atlantic. The day after Christmas, under the incessant battering of the seas and wind, Carlson's cargo began to shift and the freighter's hull began to split in two. Carlson ordered the passengers and crew to abandon ship. He remained on board, not only in the tradition of the captain going down with his ship, but because it was foundering in international waters and subject to boarding and being claimed by another company.

Carlson was also a 'ham'. As much as I

rack my brain, I cannot remember his call sign. With the engines not working and the commercial antennas damaged, he rigged some power and an emergency antenna, and put his own rig on the air. For days amateurs from England, the US, and Canada were the only contact with the foundering vessel. Through them ships were sent to the rescue.

However, North Atlantic storms continued to pound the sinking German freighter. The weather eased a bit in the early days of 1952, and somehow the ship held together. On January 4th the Turmoil, a British salvage tug, arrived on the scene. Kenneth Dancy, mate of the tug, managed to board the Flying Enterprise and the following day he helped Carlson hook a towline to the freighter. Now part of the load was lifted from the hams with the Turmoil passing some information. Soon the two vessels were headed for Falmouth, England, but on January 8th, disaster struck. Another winter storm moved in, and the tow line parted.

Attempts to re-attach a line were thwarted by heaving seas and foul weather, and on January 10th the Flying Enterprise began to roll over onto its beam. The ship's demise was swift. Just

before she went to the bottom, Dancy persuaded Carlson to leave the ship and they jumped. Carlson was, naturally, the last to leave the ship, when its funnel was horizontal in the icy Atlantic. In a short time, the two men were aboard the Turmoil. Carlson was finally safe, after a twelve-day ordeal.

The memory reminded me how important it is for every Amateur to have their antennas fully tuned, their rigs in top operating order, their communication skills honed to a fine level, and to have their HF endorsement. Can all the members of KWARC say they are ready? We think of disasters as storms and explosions that hit our community, and that is true, but at the same time we never know what will happen out in the world and we will be called upon to assist – just as it was hams, some from Canada, that carried the communication load in New York the first days after the WTC disaster. It's that kind of public service that allows us to keep our valuable frequencies.

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

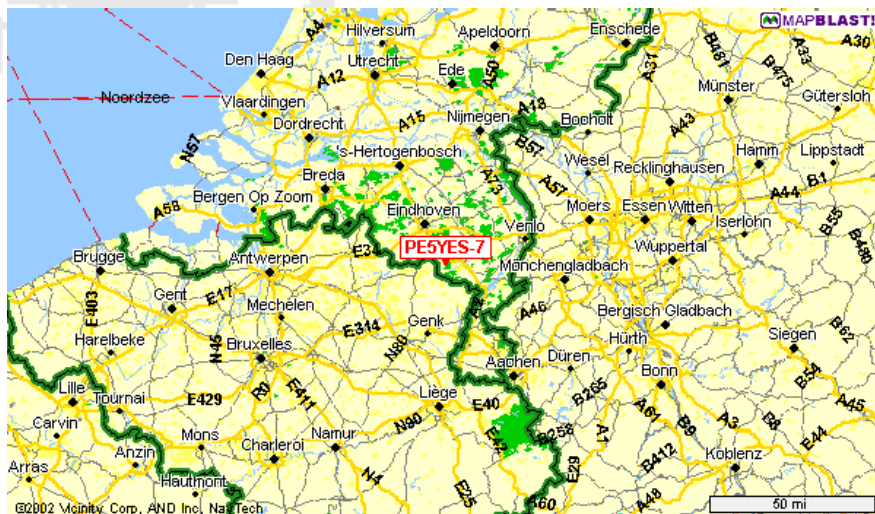
IRLP Aero Mobile Over Belgium, Holland, And Germany by Paul VE3SY

A very interesting series of QSO took place on Sunday April 21 when Christ PE5YES was aero mobile in his powered glider. When I gave Chris (*pronounced Chris*) wa call he was flying at about 3,500 feet in south west Holland and checked into the IRLP on Reflector 2. Add to this Christ also had APRS on board so all of us listening in were able to track him in real-time on the internet.

The attached image shows his location just north of the Belgium border. Christ then travelled into Belgium and then turned east travelling into Germany before turning back North West landing near Eindhoven.

Christ was on the air for close to an hour and gave many hams around the world a chance to work the aero mobile station.

Christ was working through new node number 860 in Eindhoven Holland and was able to stay in range during the complete flight. Since Sunday a new node in Tokyo Japan has come on line. Listen for node 820 7J1YAB from Tokyo.





This year's CANWARN Atmospheric weather specialist from the Client Services Branch, Paul Robertson, VE3HFQ and was a great success. Ed Spike reserved the lecture room for us again, as he did last year. Larry Gorman, VE3LGN and Ron Gravelle, VA3TVS, had refreshment detail (juice & donuts respectfully) while Bob McKie VA3MCK assisted with talk-in and parking directions on our local CANWARN frequency of 146.970 P/L 131.8.

Ron and his wife, Sandra, met Mr. Robertson before the session began to have dinner and talk about the "weather", as they both have a passion for the subject. Paul is always looking for that perfect visible satellite scan for minute details that can only be seen from Space. While Ron does use the GOES 8 and NASA satellite information

Training was taught by Environment Canada's to identify "Overshooting Top" conditions, he relies on a wealth of other information not just from satellites, but radar and computer models to assist in his Mesoscale analysis research.

This was to be a busy day for Ron and Larry. While Ron was preparing to meet Paul Robertson for dinner, a "Supercell" thunderstorm had formed on the Lake Huron "lake breeze" and intersected with warm, moist air in-land. This cell tracked to the north of Waterloo and Ron was able to video tape some of the life cycle while on his way to Cambridge to pick up his wife who was waiting at work. Larry Gorman VE3LGN initiated the Net under condition "GREEN". He promptly upgraded to condition "Yellow" when Ron's weather alert radio sounded the alert siren. Ron is happy to report that we had no reports of injuries while under "GREEN" or "YELLOW".

In total, we had 40 persons present this day, which was a little down from last year. But it was a very nice and warm

Canada's

Spring day which probably influenced some folks to get outside and have a BBQ with their families. You can never go wrong by spending quality time with the family, and this is what Sandra and I are planning for this upcoming Summer.

Ron would like to thank Paul Robertson VE3HFQ (presenter), Ed Spike VE3TCK (arranged for the room), Larry Gorman VE3LGN (Net Control), Bob McKie VA3MCK (parking and talk-in), Ed's Scouts (they did a great job for us, thanks very much) and my wife Sandra. But most of all, you, the people who took time out of their day to drive in from out of town to participate in the Kitchener CANWARN program.

73,
Ron Gravelle VA3TVS
CANWARN Coordinator
Waterloo Region
Grid#3: 8035/4325

Condition Yellow During Canwarn Training

by Ron VA3TVS

As Ron mentioned above a "Supercell" thunderstorm had formed on the Lake Huron "lake breeze" and intersected with warm, moist air in-land. This cell tracked to the north of Waterloo. Ron



VA3TVS observed this supercell thunderstorm to the northwest of Waterloo. View is looking from Ron's house to the North-northwest of Waterloo. Note updraft and anvil forming in above photo. Image taken from video at 3:25pm.

Ron observed this new (top center) thunderstorm after picking up his wife (Sandra) at Cambridge Memorial Hospital. View is North-northeast from the intersection of Speedville Rd. and Maple Grove Rd. (by the Toyota



Factory). Note rapid growth on the left side (looks like a volcano erupting without the ash). Video image at



3:35pm.

This image shows a strong updraft and surface winds inflow into the thunderstorm. View is beside Conestoga College looking East-southeast of Kitchener from Homer Watson Blvd. Note flags showing winds heading into the storm. Video image at 3:48pm.



In this frame we can see a strong storm trying to get its act together. View is to the East-southeast from Kitchener along Homer Watson Blvd near the College. Video image at 3:50pm.

Ron VA3TVS

MEMBERSHIP REPORT – MAY

by Membership Chairman and VP Bill VE3ETK

As we near then end of the club year, I thought I would give you all a little report on the Membership activities. First and most important is that membership is up very nicely. I'd like to attribute that to the work done from this chair but much of it is due to you the members, attracting newcomers to the area and to the hobby. THANKS!

Much of it is also due to the IRLP, so we have to give thanks to Paul VE3SY for getting the site established and promoting it. Also to those, like Ben VA3BNY and his crew, who keep RBM operational.

I was running a monthly campaign to draw back into the club those who were members and for one reason or another dropped out. I'm holding off on the balance of that for the remainder of the club year as it hasn't been as successful and I had hoped. Next year's Membership Chair can carry on with it, but I now think the best way to do this is with you, the membership, telling our ham buddies who don't belong, how great the meetings/presentations are and what they are missing by not being a member.

The Ham Radio Course run by Ron VE3DBD and his team draws the new crowd and they get one year free membership by taking the course. A big THANKS! goes out to our trainers. Somehow, though, we need to keep these new hams coming out in the following year and we don't seem strong on that. Again, you readers can do a lot here. When you talk with a new ham on the air, do plug the club and it's activities. Larry VE3LGN brought to my attention the other night that when he took the course there didn't seem to be a big tie-in between the course and the club, so we're going to give Ron some printed bulletins and club info and ask him to put it into the hands of the trainees. And also to let the trainees know that it is KWARC that puts on the course and provides all of those local repeaters they will use in the early years on the air.

A new handout was created this year for prospective members and I recently updated it with our 80th Anniversary in mind. If you can use some to promote membership please ask me at a club meeting. I usually carry some with me.

We also created a letter with the

Club logo and the JOTA logo at the top, that has a Scouting related message to be handed out along with the new prospective member pamphlet, by Lynda VA3LWH at JOTA this fall. Thanks Lynda for all the great work you've done on interesting Scouting youth in Amateur Radio. That goes out as well to all our members who support Lynda in this project.

And of course, we will have our 80th Anniversary 'party' being held in conjunction with Field Day Saturday out at Doon Heritage Crossroads. The folks out there are great to work with and Wendy Connell has pulled out all the stops for an extended Communications Day/80th Anniversary. We will have a number of interesting radio 'booths' for the public to see, including a chance to get on the air via IRLP. We can still use some help on that day, so if you can put in a couple of hours it could sure help boost our membership and public image.

My particular thanks to anyone (although I'll probably never know who you are) who has helped boost the club roster.

Welcome New Members

Please welcome the following 21 new members who have enrolled in our beginners class. This is close if not a new record for attendees. We wish them all well

FIRST	LAST	CITY
Wafik	Ajoor	Waterloo ON
Ian	Bucknell	Waterloo ON
Michael	Chatel	Waterloo ON
Dave	Fisher	Waterloo ON
Shana	Green	Kitchener ON
Christa	Guckenberger	Kitchener ON
Jason	Guckenberger	Kitchener ON
Daniel	Hunt	Kitchener ON
Jeff	Jennings	Guelph ON
Brian	Lowery	Kitchener ON

FIRST	LAST	CITY
Terry	McKenna	Woodstock ON
Greg	Mudford	New Hamburg
Ross	Newkirk	Waterloo ON
Rene	Paquin	Elmira ON
Mike	Payne	Woodstock ON
Jaan	Pedjase	Waterloo ON
Josh	Pond	St Jacobs
Darrell	Pond	St Jacobs
Peter	Scully	Guelph ON
Dave	Shapma	Cambridge ON
Rick	Spurgeon	Woodstock ON

