

# Kilowatter

The voice of the KW Amateur Radio Club

Since 1922

## Kitchener-Waterloo Amateur Radio Club

\*133 Weber St. N. Suite #3-138;

Waterloo, Ontario

N2J 3G9 (\*please note new address -ed)

EDITOR: Dennis Tabbert VA3DLT

PHONE: 463-9641

email: va3dlt@rac.ca

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

## MONDAY'S MEETING

**Date:** Monday May 3<sup>rd</sup> 2004

**Time:** 7:30pm

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

**Topic:** Don Fisher VE3ESE will be giving a talk on his dx expedition to Cuba.

## UPCOMING EVENTS

### [Durham Region Amateur Radio Hamfest](#)

North Shore ARC, South Pickering ARC  
Starts on Saturday, April 24, 2004, Whitby ON

### [Skywide ARC Annual Spring Hamfest & Fleamarket](#)

Skywide ARC  
Starts on Saturday, May 8, 2004, Etobicoke ON

### [20th Annual Smiths Falls Amateur Radio Flea Market](#)

Rideau Lakes Amateur Radio Club inc.  
Starts on Saturday, May 8, 2004, Smiths Falls ON

### [Amherstburg Hamfest](#)

Amherstburg Radio Club  
Starts on Sunday, May 30, 2004, 91 Amherstburg ON

### [Central Ontario Fleamarket & Hamfest](#)

Guelph ARC & Kitchener-Waterloo ARC  
Starts on Saturday, June 12, 2004, Fergus ON

### [Kitchener-Waterloo Amateur Radio Club](#)

Annual Field Day Contest.  
Starts on Saturday, June 26, 2004,

### [ONTARIO HAMFEST .. 33rd Year](#)

Burlington Amateur Radio Club  
Starts on Saturday, July 10, 2004 Milton, Ontario ON

### [Central States VHF Conference](#)

The Ontario VHF Association ARC - VE3VHF  
Starts on Thursday, July 22, 2004, Mississauga ON

## KWARC Directors 2003-2004

<b>President</b>	Ben Sasiela	VA3ST	748-0445
<b>Vice President</b>	Gord Hayward	VE3EOS	744-7205
<b>Past President</b>	Bill Graham	VE3ETK	576-3578
<b>Treasurer</b>	Dave Schwartz	VA3DGS	884-3594
<b>Secretary</b>	Larry Gorman	VE3LGN	884-6782
<b>Director</b>	Tedd Doda	VE3TJD	634-5949
<b>Director</b>	Hugh Baird	VE3IYG	684-7257

## The Executive Committee Chairs

<b>Program</b>	Bill Riddell	VE3WFR	571-9875
<b>Technical</b>	Tedd Doda	VE3TJD	634-5949
<b>Packet</b>	Tedd Doda	VE3TJD	634-5949
<b>Database Mgr</b>	Dave Schwartz	VA3DGS	884-3594
<b>Bulletin Editor</b>	Dennis Tabbert	VA3DLT	463-9641
<b>Edu. Co-Ord</b>	Ron Gimbel	VE3DBD	699-4488
<b>Chief Examiner</b>	Vern Stroud	VE3RVS	743-9342
<b>Auto Patch</b>	Ben Sasiela	VA3ST	748-0445
<b>ARES Manager</b>	Larry Gorman	VE3LGN	884-6782
<b>CANWARN Mgr.</b>	Ron Gravelle	VA3TVS	569-8746
<b>QSL Manager</b>	Gord Gibson	VE3NQG	893-5148
<b>Inventory</b>	Ben Sasiela	VA3ST	748-0445
<b>Field Day</b>	Bob Pelling	VE3XNB	893-4712
<b>Webmaster</b>	Paul Cassel	VE3SY	634-5139
<b>Bereavement</b>	Marg Cassel	VE3RE	634-5139
<b>Flea Market</b>	Hugh Baird	VE3IYG	684-7257
<b>QCWA Rep</b>	Harold Braun	VE3DWH	884-2388

## KWARC Owned Repeaters/Nodes

Mode	Call	Freq.	PL	patch	Location
Voice	VE3KSR	146.970	131.8	Yes	Baden Hill
Voice	VE3RCK	146.865	131.8	Yes	Manheim
Packet	VE3KSR-0	145.010			Baden Hill
Packet	VE3KWQ	145.090			Waterloo
Voice	VE3IXY	224.340	131.8		Manheim
IRLP	VE3RBM	444.875	131.8		Manheim
Echolink	VE3SED	53.370	131.8		Baden Hill
Voice	VE3SED	442.200	131.8		Baden Hill
Special Events		147.510			Kitchener

## Other Area Repeaters/Nodes

Mode	Call	Freq.	PL	patch	Location
Voice	VE3EUC	444.700	N		Elmira
Voice	VE3KFM	442.000	Y	open	Kitchener
Voice	VE3RND	145.330	Y		Plattsville
Voice	VE3SWR	146.790	N		Cambridge
IRLP	VE3WFM	147.090	N		Waterloo
Voice	VE3WWW	146.835	N		U of W
Voice	VE3RSS	147.030	N	members	Acton
ULR Link	VE3BHR	447.075	Y		Baden
Voice	VE3RKL	443.850	N		Guelph
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 B
Voice	VE3BAY	442.350	Y		Kitchener

## Presidents Report for April 2004



With only two more meetings to be held, May and June, it will be time for our summer break. For the months of July and August, we will suspend our monthly meeting for the summer, to gather again in September of this year. I personally believe that this has been a very successful year with excellent presentations for the members thanks mainly to Bill Riddell VE3WFR, our program co coordinator. We also acquired an excellent tape player through a generous donation from Tedd Doda, VE3TJD, of Lazer Audio. It's an Emerson make VCR to show VHS tapes when the occasion arises. Thanks Tedd for this fine offer. It will certainly compliment our audiovisual equipment that the club now possesses and both units will be put to excellent use at meetings and club-sponsored presentations. Our audio expertise Bill Graham VE3ETK, is in the process of testing a wireless microphone and making it compatible with the 404 wing audio system in hopes of having a quality uninterrupted mike workable from all areas of the meeting hall.

We hope this project works out and operational for the September meeting. Many of you will have an opportunity to travel during the summer, while enjoying ham radio. Weather its at the cottage, or

mobile through some scenic country side or having the opportunity to set up a station at a light house (we understand that Gord Gibson VE3NOK/VE3RGG has plans for this adventure this summer, we encourage you to take pictures of your ham experiences, to present to the members. There are so many stories and projects that are being done by KWARC personnel; it would be delightful to have more club presentations from our members. So remember to take your cameras and capture your summer hamming.

Our annual election of club executives is scheduled for June, as is the selection of Amateur of the Year Award. This selection is of an individual and is made by club members ballots and recognizes a ham that has exhibited an extraordinary contribution to ham radio and to KWARC during the past year. My personal plans for the summer is to get back into biking, enjoy the family and the cottage, and climb towers again. I wonder how I could mount a HF radio on the bike, and would the wife let me Hi! Hi!.

73 to all club members.

Ben Sasiela  
Pres KWARC  
VE3ST

## The 30<sup>th</sup> Annual Central Ontario Amateur Radio Fleamarket and Hamfest Saturday, June 12<sup>th</sup>, 2004

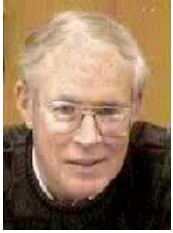
*At the Fergus & District Community Centre*

Open 8:00 am to 12:30pm - Venders from 6:00am

Admission \$5.00 – Indoor tables \$10.00 – Tailgate \$5.00

Admission includes ticket for hourly & grand prize draws

## [KWARC Club Meeting Monday April 5, 2004 by Larry Gorman](#)



Meeting opened by President Ben @ 7:30 with 48 attendees. Ben read a letter from the family of Eric Enns VE3BB' expressing appreciation for the club's commemorative donation to

the CNIB, and for the strong club representation at Eric's wake.

Fred VE3OQB was given a standing ovation by all present for his unstinting work in the kitchen, making refreshments available.

Bill VE3WFR program chairman then introduced our presenter for the main feature of the evening.

After the break Ron drew the winning number for the draw, won by Paul VE3BMI.

Hugh VE3IYG made another pitch for helpers at our annual Flea Market. coming up on June 12 in Fergus.

Ron VA3TVS reminded everyone of the CANWARN refresher April 21.

Gord VE3RGG gave an update on the club call sign DX activity.

Harold VE3DWH informed us that the QCWE club is sponsoring a special events station VE3HC at the Hammond museum the first Wednesday of each month @10 am on 7055 KHz

Technical Tedd VE3TJD is working on the damaged Packet TNC's at the Manheim site.

Larry VE3LGN reported on our new Emergency Services/CANWARN office. See the full article in this issue.

Past President Bill VE3ETK commented on our new projector purchase, used so effectively this evening.

James VA3TNG announced the next Fox Hunt set for Saturday May 8. Meet at 1PM at Tim Horton's @ River Rd and Ottawa. BBQ to follow at Paul VE3SY's.

Bob VE3XNB gave an update on the Field Day. June 26. More operators still wanted.

### Storm Chasing Made Easy

"It was a dark and stormy nigh, andŠ.". Actually it was mid day in Texas, May 2002, and the sky was a churning cauldron of inky cloud spliced intermittently with luminous bolts of high amperage lightning.

The keynote speaker at our meeting this month was Storm Chaser Ron Gravelle VA3TVS. Using our new projection equipment, 48 members were treated to an illuminating presentation on severe weather in the comfort of the hall at Wing 404 in Waterloo. The many spectacular photos, taken by Ron and various of his associates, were interspersed with information panels on the dangers of storm chasing, weather alert bulletins, and graphic illustrations of atmospheric conditions that lead to the development of these severe cyclonic disturbances in Tornado Alley.

Lest we up here in Ontario be too complacent, several map plots illustrated the occurrence of tornadic activity throughout our province.

While tornadoes are the number two weather killer, contrary to many peoples belief, it is flooding, also associated with severe weather, that is the leading cause of weather related deaths

The presentation concluded with some destructive scenes wrought by East Coast Hurricanes in North Carolina. Cars totally enveloped in the clutches of huge gnarled trees, and large homes supporting now uprooted trees. Ron ,ever the adventurer, concluded with the comment that he prefers chasing (being chased by??) tornadoes in the wide open Mid-West USA as compared with being trapped in East Coast floods and the chance that his car might end up under a huge downed tree!

For more exciting pictures see

[www.stormchasing.caŠ](http://www.stormchasing.caŠ)

Club Secretary Larry VE3LGN

## KWARC EXECUTIVE MEETING 2 APRIL 2004 by Larry Gorman



Ratz-Bechtel Hospitality suite  
Tuesday 6 April 7:35-9:15 PM  
Present: - Ben VE3ST, Dave  
VA3DGS, Bill VE3ETK, Tedd  
VE3TJD, Larry VE3LGN, Bill  
VE3WFR, Gord VE3NKQ, Bob  
VE3XNB, Regrets Hugh VE3IYG,  
Gord VE3EOS. Members always welcome.

Item: New AV projector. Dave will see to insurance requirements. The management @ Wing 404/Waterloo Adult Rec Ctre advises against leaving portable equipment on site. Bill will acquire a suitable case for the unit and all associated equipment which will include a VHS tape player, donated by Lazer Electronics (Tedd VE3TJD). Discussion followed on the usage of club equipment. It was finally resolved that club equipment is to be available only for KWARC related events, as approved by the Executive. It is only to be operated by trained KWARC members.

Item: May club presentation. Program Director offered two options a) The Cuba DXpedition with Don Fischer CO8DLT, b) Presentation by a specialist with Canadian Armed Forces who would discuss communications and transportation situation in Afghanistan. To go with option b.

Item: Discussion of disposition of surplus repeater equipment.  
We have several surplus radios that can likely be converted to operate on the amateur UHF band. Tedd plans to fix up one unit for portable emergency use, such as the flea market. He will check band width parameters and see about reprogramming. It was suggested that he also convert one for ARES/CANWARN use. It was recommended that we keep the other units for future use, or possible barter for future needs.

Item: Emergency Services (ARES) update: (See item elsewhere in this issue.)

Item: CANWARN refresher @ UoW. Moved by Ben, seconded by Tedd "That KWARC cover the costs of refreshments" Passed.

Item: Field day budget. Moved by Ben, seconded by Bill VE3ETK, "That we approve a budget advance of \$200 for Field Day 2004 expenses". Approved. This is same amount as last year. Linda VA3LWH will report food expenses to Bob.

Item: May issue of Kilowatter. All reports need to be in to the editors well ahead of schedule, as Dennis needs to assemble material ahead the normal deadline for this issue.

Item: KWARC membership in RAC. Gord VE3NQK reported on a follow-up letter on the matter of the club becoming a member of RAC. Response was "Clubs cannot become members of RAC".

Item: The current Post Office franchise is experiencing problems. Motion by Dave, seconded by Bill "That KWARC change its P.O. mailing address" Passed.

Item: Mannheim backup battery needs to be replaced. Ben will sell for a nominal dollar a battery which Tedd may modify if necessary.

Item: Executive nominations for 2004-5. Past president Bill is responsible for this. Ben offered to stand again if he has the support of the current executive. Subsequent e-mails have confirmed this support. Nominations will still be accepted from the floor at the May meeting.

Item: Ongoing -Request from Peter Bahn of Monseignor Doyle S.S. for technical assistance with their "Almonte" amateur radio project. Item to be carried to next months agenda with more detailed information.

Adjournment 9:10 PM.

Larry VE3LGN secretary.

## [Tech Report for April, 2004](#)



Greetings:

The only thing to mention regarding the clubs equipment is that VE3RCK's audio has been repaired.

The audio in potentiometer within the Exec II exciter needed readjustment.

Being in the service industry for 20 years, I've seen my share of unique ways to join power cables. This ranges from the stock connectors that come with the radios, to people using the flat pack trailer connectors, to others that think 115 volt duplex plugs will work (very, very dangerous!!).

The USA hams have all but adopted the Anderson PowerPole style of connectors ([www.andersonpower.com](http://www.andersonpower.com)). These connectors come in many colours and current ratings and give you the ability to lock them together to make a connector with as many conductors as required (see

pictures). The best part is that they are cheap to purchase!

The big advantage to adopting a "standard" is that any piece of 12 volt equipment can be shared amongst all the members without redoing the connections. It also is a great idea for people who use their equipment in the car(s), AND in the house. Just make up a set for each and your power connections are a "no brainer"!

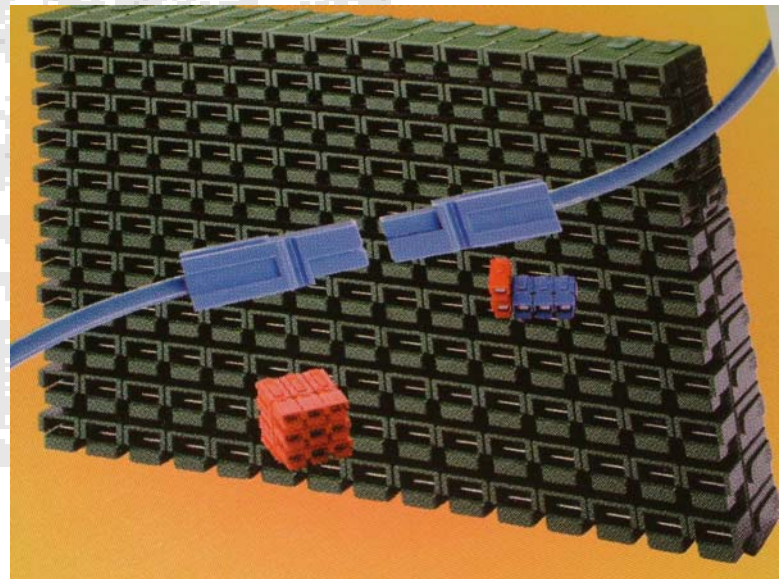
This is not an ad for Anderson, just a heads up on what is available on the market.

I have their catalog here if anyone wants to investigate further.

Till next month,

Tedd, VE3TJD

Technical Chairman of the KWARC



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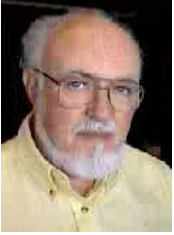
presentation on severe weather in the comfort of the hall at Wing 404 in Waterloo. The many spectacular photos, taken by Ron and various of his associates, were interspersed with information panels on the dangers of storm chasing, weather alert bulletins, and graphic illustrations of atmospheric conditions that lead to the development of these severe cyclonic disturbances in Tornado Alley.



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## OUR OWN VIDEO PROJECTOR by Bill Graham



At the Executive Meeting the night after our last club meeting it was decided that KWARC should have its own video projector so that we wouldn't have any more

embarrassing moments for our guest speakers. With

lots of Audio Visual experience behind me I had set out the morning after the club meeting to see what kind of good but 'cost reduced' projectors I could come up with. With a good one found, I made a presentation at the Executive Meeting.

The rest is history. As I write this, the club is in the process of acquiring an excellent Epson projector with 1100 lumens (that is the measure of brightness) that will take inputs from video tape and cameras, as well as computers. We are going to test it at the 404 Wing before spending our 'hard

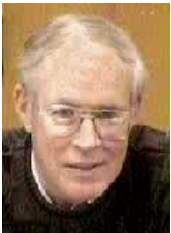
earned dollars'.

It's even possible that we will have it ready for use by the time you come to the next meeting. You are coming to the next meeting, aren't you?

These projectors are getting smaller every year, while at the same time the quality of image gets better. The monthly presentations at our club meetings are a very large part of keeping our club membership coming out, and hence, 'glued' together. There may be no other factor as large that gets us all together in one place at one time. Good presentation equipment makes it so much easier to get good quality presenters.

So, as you sit back in your seats in the months to come, not only enjoy the presentations, but enjoy the work your executive and your dollars are doing for you

## Columbia St. Fire Station – New ARES/CANWARN Facility



Last year at about this time KWARC ARES was actively pursuing the installation of EchoLink for our shared Emergency Services radio site at city of Waterloo FS #1.

With EchoLink's capability to contact up stream weather observers and to conference along the weather path, the Fire Dept was approached about its installation. After many months of chasing down obstacles we were informed, to our great disappointment that the station's communication facilities were not suitable for VoIP service.

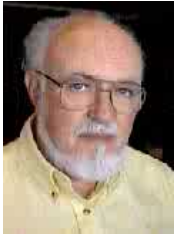
Now, a year later, I am pleased to announce that through the efforts of president Ben, we have hit the jackpot in regards to our Fire Station office. Not only are we going to be getting high speed VoIP for our EchoLink line, but we are also being assigned our own private and secure space in Waterloo's new Columbia Street Fire Station. No longer do

we share with the station mechanic, truck parts and tools.

Negotiations have been ongoing for several weeks, and as of 19 March we have a definite agreement. In fact Ben VE3ST has been able to increase the original space allotment, and to participate in the choice of sound damping materials for this area. We will be located near the Region of Waterloo Emergency Services area which is currently under construction. Ben and I have already been over to examine the general layout and check out a position for an Antenna mast. The site is over 100 feet above our current place and Ben has tested successfully for improved transmission range. The K-W Amateur Radio Club is seen as an important part of our Regional emergency services. Our participation in local emergency services is becoming well recognized.

Larry VE3LGN Emergency Services Coordinator KWARC

## - Amateur of the Year voting Bill Graham VE3ETK



From the time you read this until the June club meeting you will have about one month to decide who you would like to see as the Amateur of the Year for 2004-2005. At the June

meeting ballot cards will be distributed for you to name the club member you chose to receive this honour.

This will be a secret ballot, with the names tabulated after the close of the meeting and the results held until September when the award will be made. Tedd Doda, our Technical Chair, is the present holder of the Amateur of the Year Award.

Please decide on a club member who has done something outstanding for amateur radio in the last twelve months. That might be something for the club's facilities, the club membership, or Amateur Radio at large. Please be prepared to write your reason on the ballot.

Some members only read the Kilowatter (either by mail or on-line) and don't come out to meetings. This is a great opportunity to take part in KWARC, so I expect to see the room filled at the June meeting.

73 Bill Graham VE3ETK  
Past President.

## KWARC Emergency Services - Summer 2004

Emergency Services (ARES/CANWARN) is gearing up for the potential severe weather conditions that are associated with a humid summer

The Severe Weather Net Control Group met at Waterloo Fire Station on April 1 to organize for the coming season

. Two new members were inducted, to bring the group to a more effective operating number. Bob VE3XNB our Field Day coordinator, and James VE3TNG, the Fox Hunt man, will complement the current group, consisting of Larry VE3LGN Emergency Services Coordinator(EC), Ben VE3ST Assistant EC, Chris VA3CEG, and Ron VA3TVS, who will again serve as the clubs CANWARN manager.

Ron will be drawing up a comprehensive Net Management schedule to ensure that we always have at least two members on call from mid April through October. He will see to the requisition of two more MOE pagers, and provide the new net controllers with training on the use of the Canwarn computer, net handling, and adverse wx reporting to the Toronto

Office

### New ARES /CANWARN Radio Shack

Larry informed the group that ARES is moving to the new city of Waterloo Fire Hall on Columbia St. The Region will supply telephone, and computer connections.

CANWARN equipment will be relocated to the new quarters when the space becomes available this summer. There was some discussion re obtaining a dual band radio for increased flexibility.

### Canwarn Training April 21

Details for the evening presentation were discussed, Bob VE3XNB will do a Talk In on VE3KSR from 6:30 PM.

Refreshments will be provided by ED VE3TCK and Larry VE3LGN during the break.

Ron VE3TVS will provide off road direction signs.

The Ed's Venture Scouts will give directions to free parking off Phillip St  
Ben VE3ST - Assistant E.C

## Editors note, The following is a letter to Harold Braun



Hello Harold:  
I understand you are a retired person now and a very busy man now.

I have been retired since late 1998 and I never stop it seems, last summer my Wife and I drove down east as far as Newfoundland and when we returned from that trip DVA sent about 50 of us old Korean War Vets

to Korea for the 50th anniversary of the cease fire That was a great trip and a lot of changes and some bad memories as well etc.

I send you an email about an hour ago but it did go so we are trying again. The Canadian Guide Dogs for the Blind is having there 20th anniversary and CGD Amateur Radio Association (CGDARA) is having its 10th

anniversary (VA3CGD). We are putting on an award called Award 2004 and attached is the rules and copy of the certificate. Could you please pass this info along to your club members and maybe others It is not a hard award to work and it will be a help CGDARA as well.

Thank you for your help  
73 Bill VE3GPR /  
VA3DWH

VA3Canadian Guide Dogs  
CGD Amateur Radio Association  
C/o Bill Cousins VE3GPR  
RR # 1 Kemptonville, Ontario,  
K0G 1J0  
www.magma.ca/~ve3gpr/va3cgd

2004-03-20

### Award 2004 Rules

This year 2004 is the 10<sup>th</sup> anniversary of CGD Amateur Radio Association and the 20<sup>th</sup> anniversary of The Canadian Guide Dogs for the Blind. An award is offered to all Amateur Radio Operators who take part in the award 2004, starting 2004 April 01, ending 2005 March 31. The rules are very simple and most Amateurs should complete it a very short time. This award is open to all Amateur Radio Operators worldwide and it's aim is to work Visually Impaired Amateur Radio Operators for points, using any band or mode.

#### Point system

- (A) Contact with a Canadian Visually Impaired Amateur Radio Operator is worth 3 points each.
- (B) Contact with a Canadian Visually Impaired Amateur Radio Operator with a Guide Dog is worth 6 points.
- (C) Contact with VA3CGD is worth 8 points.

30 point is all that is required, adding the total years of CGDARA & CGDB in operation. You could end up with more than 30 points, but that is no problem as long as you have at least 30 points. Keep all QSO's using a standard log sheet hand written or computer generated.

When the log is completed send it to the address below along with \$ 5.00 cheq or money order made out to CGDARA for the Certificate.

CGD Amateur Radio Association  
C/o Bill Cousins VE3GPR  
RR # 1 Kemptonville, Ontario,  
K0G 1J0

### CGD Amateur Radio Association

#### Certificate of Achievement

Awarded To

*Name And Callsign*

Place & Province

Has successfully achieved the required  
Amateur Radio points with Visual Impaired  
Amateur Radio Operators in the year of our Lord  
2004

10<sup>th</sup> anniversary of  
**CGD Amateur Radio Association**  
20<sup>th</sup> anniversary of  
**The Canadian Guide Dogs for the Blind**

**Manotick, Ontario, Canada**

Dated 2000-00-00 CGDARA - VA3CGD

Bill Cousins VE3GPR

