



The **NEWSCASTER**

The Official Publication of the Winnipeg Amateur Radio Club
<http://www.virtualmultimedia.com/warc/>

May 2002

Free to Members

Canwarn

What is it & how you can take part

Date: May 13th , 2002
Time: 7:30 p.m.
Place: Sturgeon Creek Regional Secondary School

Other Important Dates:

Articles: May 1st. - Article Deadline March Newscaster

WARC: May 13 - Canwarn,
June 10 - Summer Activity Update

WSC: May 9th - Breakfast - Canad Inn Garden City
May 15 - Board Meeting

ARES: May-21 Video presentation , Jun-26- TBA

Nets: Daily 01:00 UTC MB Evening Phone net 3760 KHz
Daily 01:30 UTC Prairie traffic Net (CW) 3660 KHz
Daily 02:30 UTC Aurora #2 net 7055 KHz
Weekdays 9:00am Seniors morning net 147.390 MHz
Wed. 9:00 pm Six Meter net 50.240 MHz.
Thursday 9:00pm MRS Net 147.390 MHz +
Sunday 1:00pm MRS Net 147.390 MHz +

WARC: Executive for 2002

Past President	Norm Coull	VE4EH	885-1692
President	Vacant		
Vice-Pres./ PR	Tom Mills	VE4SE	837-6915
Secretary	Ruthie Maman	VE4CRS	589-6718
Treasurer	Sue Collings	VE4SYM	694-1525
Membership	Mariska Maguire	VE4MMG	256-3143
Program	Glen Napady	VE4GWN	831-8082
Goodwill	Vacant		

From the Vice President WARC, Tom VE4SE

Spring was definitely in the air but it has left us for a few days as I write this, but I am sure it will return. It must have been close to spring as WARC had its home brew night and the spring flea market will be over by the time you read this. The homebrew night was a success, as you will read in Glen VE4GWN report. Home brewing may be down but is sure not out judging by the displays. Sure we are not getting the things of the past like transmitters or receivers or some of the exotic test equipment but Hams still have a desire to build and experiment as was evident at the meeting. Is Ham radio on the up swing? I believe in the last copy of the Redbook there was some 20 new calls, also 10 people wrote for their Ham ticket in Dauphin on April 13, and we had a specific esquire at the last WARC meeting about when and where a person could take the course. Lets spread the word to anyone who is interested about our great hobby. We are the best ambassadors to get the information out there. Keep in mind the three next important items coming up. The Marathon, WARC field day and the election of new officers for WARC at the June meeting.

Minutes for W.A.R.C. April 8th, 2002 Submitted by Ruth, VE4XYL

Meeting called to order at 1930 hrs by Tom VE4SE with warm welcome. Introductions followed. Special welcome to two newcomers: VE4LN from Tyndal and VE4KEH. 48 members and two non-members attended.

Motion to accept minutes as printed in the Newscaster. Moved by Tedd VE4VID, seconded by Rick VE4OV. Carried. No business from minutes.

Treasurer's Report Sue VE4SYM

Income statement for March 31, 2002:

Total revenue	\$ 85.00
Total expenses	\$ 80.70
(including Field Day site booking)	
Bank Balance	\$4,687.58

Programs Glen VE4GWN

Glen thanked all ten Home Brew Nite participants for coming out. Program for May: - Jeff VE4MBQ will be introducing CanWarn and what it is. Program for June: - Elections, reports of all events and pre-reports for Field Day and Marathon.

Membership Mariska VE4MMG

Membership is at a standstill. Mariska will be assisting new executive to take over membership chair. All data is on computer: - membership lists present and past, Newscaster email/regular mail lists, etc. Mariska requested if any members want Newscaster emailed to speak to her. Newscaster is being printed by Floyd VE4FDR (see ad in Newscaster).

RAC Rick VE4OV

Rick VE4OV has resigned from his position but stood in for Norm Coull VE4EH who will be taking over if and when approved by RAC Board of Directors. If Norm is not approved by the Board, his nomination needs to go to ballot. In the interim, there is no director and no report.

ARES and Marathon Jeff VE4MBQ

ARES -

1. Jeff's report was read by Tom VE4SE. February meeting featured encore presentation of ARES Call-Outs and Emergency Equipment. Jeff thanked VE4HK, VE4KAZ, and VE4MMG for assisting.

2. Next general meeting April 16, 2002 at Sir Wm Stephenson Library. Topic for discussions is long term

equipment acquisition plan and annual participation requirements for members.

3. Jay Anderson planning two sessions for CanWarn on May 11, 2002 at Winnipeg PSPC: - Refresher or Basic Spotter Training and Storm Chasing. Storm Chasing is not part of CanWarn and is only open to people that have attended Spotter Training. If interested in either session or both contact Jeff VE4MBQ by email ASAP: ve4mbq@rac.c or via @m on VE4WPG.

Marathon

Marathon planning is on-going. Deputies were reminded to contact last year's volunteers. Sign up sheets available at this meeting, at WARC Flea Market and MRS General Meeting.

DX Sleuths Adam VE4SN

1. 50,000 QSO's for Ducie Islands. XR0X - good DX. - 40,000 QSO's.
2. Mount Athos, Monk Apollo, SV2ASP/A on 20 and 12 m. Watch around 14.212 kHz after 0400z and 24.943 kHz after 1530z. He doesn't talk to women! This is a rare one.
3. VK9L, Lord Howe Island. Jack, VK6CTI is expected to be active as VK9LT this week (April 11-22nd). Mostly SSB.
4. VK9ML, Mellish Reef. Dxpediton - team of 10 operators from G, JA, VK, W, and ZL are setting sail for Mellish Reef on April 18. Check Web site at: <http://www.qsl.net/vk9ml/2002>.
5. ARRL has announced it will accept SSB contacts with P5/4L4FN in North Korea for DXCC credit.
6. On April 13, 14, 15th England honoured anniversary of the sinking of the Titanic - CW only.

Flea Market Ed VE4EIH

Preparations for semi-annual Flea Market on April 21, 2002 are going well. Still need a volunteer for front door.

Field Day Bob VE4RCJ

Need volunteers: - a) to coordinate transportation, and b) to coordinate PR work. The site at Birds Hill Park is booked.

Nominating Committee David VE4DAR

David VE4DAR and Harm VE4HAZ are chairing nominating committee for June elections. The new executive will take office at September meeting. The elected officials will decide between themselves who will be responsible for which office. David invited members to nominate candidates. There are four positions open and four people have been nominated so far. Maximum term for serving on the executive is three years.

Industry Canada Amateur Centre
 Voice 1-888-780-3333 (toll-free)
 Fax: 1-613-991-5575
 Email: spectrum.amateur@ic.gc.ca
 Web: <http://strategis.ic.gc.ca/spectrum>

Comments or if you just want to reach us :

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 Newsletters - past issues
<http://www.ve4.net/newsletters.html>

New Business

Rick VE4OV informed members re spam email through RAC alias. Either it is really from RAC or RAC is being used. There have been numerous complaints. Webmaster is investigating it. If any of the members are being harmed, they are to talk to Rick.

Home Brew Participants

- ☺ VE4KOR – Stereo Amplifier for tape or CD from Junkbox and FM parts.
- ☺ VE4KEH – Construction techniques for circuits.
- ☺ VE4WJE – Portable light-weight antenna – 20m.
- ☺ VE4EIH – Battery tags – to see if battery is charged and grounding plate for mag mount.
- ☺ VE4RCJ – TRF receiver for tracking RFI.
- ☺ VE4FV – Coax with gain and Spectrum Analyzer.
- ☺ VE4RY – Monitor Speaker Switch Box.
- ☺ VE4ZV – inner faces between radio and computer.
- ☺ VE4SCE – Telsa Coil
- ☺ VE4PLJ – All in one base station – packet, APRS and voice.

The following participants drew \$25.00 for their efforts: - VE4KEH, VE4EIH, VE4RCJ, and VE4SCE. Bravo to all for your efforts and achievements!

Monthly draws:

- Attendance: – Ruthie VE4CRS – flashlights.
- Draw: - Mariska VE4MMG – tool kit.

News Winnipeg Senior Citizens Radio Club By Gil Frederick, VE4AG, President

The WSCRC is going DSL for our internet connection.... No more tied up phone line (we only have one, and we want it for emergency and voice use) – and greater speed with downloads, etc. This should be in operation within a few weeks. The Club has purchased the VE4BBS equipment from Werner, VE4UA, who has ceased his operation of this BBS. Thanks to Ed, VE4YU, the equipment is now at the Club, and, hopefully, will be made operational as soon as possible.

The amended agreement with the Red Cross- Manitoba Division was ratified at our last Board meeting, and will be in force soon upon signing by both parties. This is now a Partnership Agreement rather than a M.O.U., and encompasses much more responsibility on the part of WSCRC in supplying our services in times of emergencies involving the Red Cross.

We have two more members: we welcome Tedd Vidler, VE4VID and Michael Lynch, VE4DML. Both have signified their willingness to do active duty at the Club, and we thank

all members who put time in at the clubrooms to make our daily operations possible. Paul, VE4OPC is still looking for more Duty Officers. With summer coming, and many members away on holidays, there are some slots that are opening up that must be filled. If you can, try and donate just a few hours in the weeks that you are available for this important job. Call Paul today, or leave your name and particulars at 233-3122 (24hr. TAS). Let's make sure we keep our doors open Monday thru Friday from 9 a.m. until 3 p.m.

The May edition of the Blips 'n' Blurbs is now available at the Club for members' pickup.

George, VE4GNG, our Breakfast Convenor reports that 33 attended the last breakfast.... The next one will be on Thursday, May 9th, at 9:00 a.m. Location is the Canad Inn Garden City, McPhillips at Jefferson. And remember, one lucky attendee can win either a free breakfast or a surprise package donated by George.

Two of our members, our EC Ed Henderson, VE4YU, and our Red Cross Rep., Adam Romanchuk, VE4SN, attended the day-long Emergency Services Workshop at the Centro Caboto Centre on Wilkes Ave. on April 9. Ed gave the Board a detailed first-hand report of this operation (following this article) and an official report should be available soon for all Hams to read from various sources.

Louis, VE4PLJ, gave a well-received speech on 'Motivation' after our last Board meeting, and it was interspersed with questions and comments. Louis has asked that those hearing him speak critique his presentation so that he can make improvements. Pass along your comments to Louis in person, phone or e-mail.

In the 10-10 Winter Phone Contest, held on February 2-2, 2002, of 10 Canadian 10X members who submitted logs, Alan, VE4ALN came in second with a score of 803 points; Gil, VE4AG came in 7th with a score of 173. Alan, VE4ALN (#69217) is the 10-10 Net Control Station on Fridays, 1800Z on 28.800 MHZ. VE4WSC is also a member of 10-10 International.

Our Ham Radio antique section is growing with 2 more acquisitions – Ed, VE4YU reports that we now have added a National Transceiver, Model NCX5, and a home-brew Transmitter with Receiver station dating back to the early 50's (picked up at the April flea market). Anyone is welcome to drop into the Club and look over this display of old ham gear – and sit and read from the large library of magazines and books that we have available.

The meeting by some members of the WSCRC with senior clients of the C.N.I.B. who are interested in what Ham Radio is, and their possible involvement with Ham Radio as a hobby, has been postponed to Thursday, May 30. We need one or two lady Hams to attend with us (Call Gil at 888-2473 if interested). The session will be from 10 a.m. to 12 noon (with coffee break), and will consist of short talks and stories by WSCRC members, and a Q & A period.

Club badge orders are again being accepted by Gil, VE4AG, as we have established the supply link with the Winnipeg supplier who has moved the business to Calgary. Price for the standard clip-on badge is \$6.00 each, G.S.T. included. Order forms are available in Room #2 at the Club.

Although not a member of WSCRC at his time of passing, we paid our last respects to Ben Puchniak, formerly VE4BP, with words, at our last meeting. Lila, VE4LIL has sent a card of condolence to the family on behalf of WSCRC.

At a suggestion of a member, an e-mail has been sent to the Princess Patricia's Canadian Light Infantry, on behalf of the members of our Club, which reads, "The 183 members of the Winnipeg Senior Citizens Radio Club VE4WSC Inc. send their heartfelt condolences to the spouses and family of the four Canadian soldiers killed, and the eight wounded, in this unbelievable tragedy in Afghanistan."

The next Board Meeting will be held on Wednesday, May 15th, beginning at 10 a.m. Hope to see all the Board members at this meeting. Until next issue, vy 73 de Gil, VE4AG, President.

REPORT on MEMO/OCIPEP WORKSHOP **April 9, 2002 at Centro Caboto Centre, Winnipeg**

MEMO (Manitoba Emergency Measures Organization)
OCIPEP (Office of Critical Infrastructure Protection and
Emergency Preparedness)

Attending from our club : Adam, VE4SN (representing ARES) and Ed, VE4YU (representing WSCRC for the Red Cross). Also attending for ARES: Manitoba Section Emergency Coordinator - Don MacKinnon, VE4DJ; District Emergency Coordinators - Wayne Warren, VE4WR; Gordon Snarr, VE4GLS & Dave Place, VE4PN; Emergency Coordinator - Bob Poole, VE4MAQ

About 150 persons from 42 Government and Non-Government Agencies/Organizations (ie. Manitoba EMO, OCIPEP, Municipal Reps from several towns & cities, MB Hydro, MTS, Red Cross, Salvation Army etc.) were in attendance. About 10 ARES volunteers were present. The time frame was 8AM to 4PM.

The scenario for the workshop, which took place all in one room, was a simulated ice storm that was building from south western Manitoba. The moderator was Dr. Michel Dore from Montreal, who was very active during the ice storm in Quebec & Ontario in 2000.

There were 5 tables in the center of the room representing the Federal, Provincial, Municipal, Communicators and Immediate Action Groups. At each table were a facilitator and a recorder. Communications by phone were simulated by colored cards with messages being delivered to the appropriate table or 'department'. As the problem escalated, so did the number of tables, activity at

the tables and input from the gallery, until all the tables were overflowing with people.

As the workshop progressed, the situation updates and input from the recorders was constantly being displayed on an overhead projected PC and the Moderator summarizing events. Flags were used at the tables to alert runners that messages were to be sent.

The overall impression I had was of the complexity of keeping all parties up to date on what was taking place and the competence of the people in charge to assess the information and to act on it using the resources available.

The workshop was a success in many ways. A full report from OCIPEP will be forthcoming in a few weeks. Of course all participants were well treated and well fed!

From the Planning Chair: **Glen, VE4GWN**

Was it coincidence? We had Homebrew night, and now it's spring. For those of us who were at Homebrew we were shown a wide range of projects, everything from a "bamboo antenna" to a LOUD "cd burner". I managed to see most of the projects, understood some, and again realized that we all have a lot to learn about this wonderful hobby. For those who missed this educational night I'll explain how the prizes were awarded. The names of everyone who brought in a project had their names put in a hat and after everyone visited the displays we drew the names. The winners were Ed, VE4EIH; Tom, VE4ZV; Kent, VE4KEH; and Shaun, VE4SCE. Congratulations to all the winners, and indeed to all who participated I say thank you for making this year's Homebrew night a success.

May 13th is our next WARC meeting. Our topic will be CANWARN given by Jeff, VE4MBQ. June will be elections, committee reports (Flea Market, Marathon, and Field Day) and the out going executive have some presentations to make. See you in May, and enjoy the weather.

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Contest Calendar

May

IPA Contest	CW	0000Z	May 4
MARAC County Hunters Contest	CW	0000Z	May 4
10-10 Int. Spring Contest	CW	0001Z	May 4
Indiana QSO Party		1300Z	May 4
Massachusetts QSO Party		1800Z	May 4
		1100Z	May 5
ARI International DX Contest		2000Z	May 4
Connecticut QSO Party		2000Z	May 4
		1200Z	May 5
IPA Contest	SSB	0000Z	May 5
VOLTA WW RTTY Contest		1200Z	May 11
FISTS Spring Sprint		1700Z	May 11
CQ-M International DX Contest		2100Z	May 11
Baltic Contest		2100Z	May 18
CQ WW WPX Contest	CW	0000Z	May 25
QRP ARCI Hootowl Sprint		2000	May 26
MI QRP Memorial Day CW Sprint		2300Z	May 27

June

WW South America CW Contest		0000Z	Jun 1
IARU Region 1 Field Day	CW	1500Z	Jun 1
QRP TAC Sprint		1800Z	Jun 1
ANARTS WW RTTY Contest		0000Z	Jun 8
Portugal Day Contest		0000Z	Jun 8
RSGB Jubilee Contest		1000Z	Jun 8
Asia-Pacific Sprint	SSB	1100Z	Jun 8
TOEC WW Grid Contest	SSB	1200Z	Jun 8
ARRL June VHF QSO Party		1800Z	Jun 8
All Asian DX Contest	CW	0000Z	Jun 15
SMIRK Contest		0000Z	Jun 15
AGCW VHF/UHF Contest		1600Z	Jun 15
West Virginia QSO Party		1800Z	Jun 15
Marconi Memorial HF Contest		1400Z	Jun 22
ARRL Field Day		1800Z	Jun 22
QRP ARCI Milliwatt Field Day		1800Z	Jun 22

Winnipeg ARES Flea Market Report By Dick, VE4HK & Mariska, VE4MMG

Winnipeg ARES had an outstandingly successful Silent Auction and sale of donated "junque" at the WARC flea market, April 21. Our table was surrounded by bargain hungry amateurs throughout the morning. Thanks to everyone who purchased silent auction tickets and those who bought all the neat stuff at our tables, we were able to replenish our funds very nicely.

A very special thank you to Chris Read VE4AIL, who generously donated his father's test equipment and other ham things to ARES. We sold practically everything that

Chris gave us. Thanks are also extended to Don Girrard VE4DWG and Joe Konkin VE4WF who manned the ARES table Sunday morning. They did a fabulous job selling tickets, and all the donated items. Mariska and I could not possibly have done it without Don and Joe.

Congratulations to each of the winners listed below. Mariska and I would also like to thank everyone who purchased silent auction tickets and all the donated "junque" on Sunday. We really appreciate your contribution.

The winners of the silent auction were

Lot 1	Joe Konkin	VE4WF
Lot 2	Darrell Sofraniuk	VE4DS
Lot 3	Mariska Maguire	VE4MMG
Lot 4	Lin Kullman	VE4LIN
Lot 5	George Gillespie	VE4GNG
Lot 6	Gladys Wilsons	VE4GE
Lot 7	Dale Chevalier	VE4DRC
Lot 8	Gord Watt	VE4IF

Camp-X Back on the Air in 2002

May 11 - 1300 hrs to 0100 hrs UTC

May 12 - 1300 hrs to 1900 hrs UTC

Camp-X Intrepid Park in Whitby, Ontario, Canada

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: HF 80 / 40 / 20 / 10

Modes: SSB and CW (as operators are 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. (DX 1 IRC or \$1 US) Send QSL requests to: Fred Bengel, VE3TIG (email: ve3tig@rac.ca) 679 Aruba Crescent Oshawa, Ontario Canada L1J 6B7

Camp-X information:

<http://www.osha.igs.net/~Isolomon/nsarc/campx.htm>
campx@canada.com

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.

News from the Net

First 2-Metre Trans-Atlantic Contact?

Have the first 2-metre band trans-Atlantic contacts now been made? A secondhand message posted on the packet network by DK3XT would, if confirmed and proved to be true, rewrite the 2-metre DX record books. DK3XT says that he received an e-mail and phone call from Alex, N2PIG, in which N2PIG claims to have made trans-Atlantic contacts on 2 metres using WSJT, the new weak-signal digital communications mode.

N2PIG says that three weeks ago he went to the east coast of Newfoundland to establish a high-power 2-metre and 70-centimetre station with the callsign VO1/N2PIG Portable. The following week, Alex and his wife Debra, VA3PIG, travelled to western Ireland, where they established a similar station. Alex then returned to Newfoundland, leaving Debra in Ireland. Alex goes on to say that on St Patrick's Day, the 17th of March, an exchange of callsigns was made while the following day they completed a full exchange in less than four hours. On the 19th, Alex claims that the greeting "God Bless America" was received from Newfoundland, and a partial "Greetings from Ireland" was received by him.

He says that full details of the event will be available on a website to be established soon. Both stations have now been dissembled. If anyone has any corroborating evidence of these contacts, we would be very interested to hear from them! - RAC

German Pioneer Inventor Dies at 100

Rudolf Hell, the German inventor who pioneered the technology that led to the development of the fax machine and scanner, died recently at the age of 100. In 1929 he invented the 'Hellschreiber', a machine for transmitting text that electronically breaks up letters into a stream of dots and reassembles them at the receiving end. Recently, computer technology has led to a resurgence of interest in Hellschreiber as a mode among amateur radio data enthusiasts. - RAC

North Magnetic Pole could be leaving Canada

(CNN) -- The North Magnetic Pole could soon abandon Canada, migrate north of Alaska and eventually wind up in Russia, according to a Canadian scientist. The magnetic pole, which has steadily drifted for decades, has picked up its pace in recent years and could exit Canadian territory as soon as 2004, said Larry Newitt of the Geological Survey of Canada. 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.

The location to where compasses point from virtually every place on the planet, which acts somewhat like a giant magnet. The Earth's magnetic field originates in the outer core, produced by the movement of molten iron more than 1,850 miles (3,000 km) below the surface and influenced to some degree by charged particles streaming from the sun. Navigation: Global positioning satellites have reduced the need for compasses, but some smalltime mariners, pilots and travelers on foot still rely on compasses. They need updated charts that delineate the North Magnetic Pole's current location to plot accurate courses.

The erratic pole can jump around considerably each day, but migrates on average about 10 kilometers to 40 kilometers each year. Friend of navigators for centuries, beckoning compass needles from virtually every point on the planet, the North Magnetic Pole is distinct from the North Terrestrial Pole, the fixed point that marks the axis of the turning planet. The magnetic pole is currently 966 kilometers (600 miles) from the geographic one. Because the magnetic pole lies in the Arctic Ocean, scientists attempting to pinpoint its precise location must visit during a brief window in the spring. "We always do this kind of work in May. We need frozen conditions so that we can land an airplane anywhere on ice or snow, but not so cold that it is impossible to work outdoors," Newitt said. The North Magnetic Pole historically is resurveyed about once every decade. But Newitt and colleagues, who last studied the site in 2001, might attempt another trek in 2003 to investigate further its accelerated migration. The pole is a short plane ride away from Resolute Bay, home to 200 hardy souls in one of Canada's most northerly settlements, where a popular T-shirt boasts: "Resolute is not the end of the world, but you can see it from here." Despite its remote location, tourists occasionally visit the town to experience North Pole adventures, searching for everything from polar bears to Santa Claus to an even more elusive target.

During a 1984 survey, Newitt and colleagues were approached by a newlywed couple with a strange request. "When they heard we were going to the pole they asked if they could hitch a ride. When asked why they wanted to go there, they replied that they wanted to conceive their child there," Newitt said. The honeymooners did not make the trip, but other couples, also believing that the location nurtures fertility, have chartered small planes to the forbidden spot, set up tents on the ice and conducted their business. Nothing about the magnetic field at the pole would have a significant effect on humans, Newitt said. But ever the scientist, he added: "It would be interesting to track the children of these polar trysts for the next couple of decades." - RAC

RAC introduces On-line shopping from the web

In case you had not noticed, in response to suggestions from many RAC members, you can now [purchase RAC books, manuals and other useful items from this web site](#) using a new secure server. All you need is your credit card (Visa or MC).

You can also [renew your membership, or join RAC on-line](#).

This new service has been developed by volunteer Guy Charron and General Manager Debbie Norman at RAC headquarters, using a new secure server donated to RAC by Manfred Kahle VA3MWK, and maintained by Rene Kahle VA3RDK of Information Gateway Services in Ottawa.

Security of all financial transactions is guaranteed by a certificate from Entrust, which you can visit by clicking on the Entrust logo on the store index page, or at the bottom of the RAC home page.

ARRL TAKING WAIT-AND-SEE ATTITUDE ON FCC ULTRA-WIDEBAND ORDER

The ARRL is taking a wait-and-see approach regarding the FCC's recent First Report & Order on the deployment of ultra-wideband (UWB) devices. The largely untested technology has been touted by proponents as a means to provide high-speed wireless data connections as well as for such applications as object-penetrating imaging--all while using spectrum occupied by existing services and without creating interference. The FCC Order in ET Docket 98-153 was approved February 14 at an open meeting but has not yet been released. It promotes a vision of potential UWB public safety applications in addition to broadband Internet access. "The FCC claims that it has exercised caution, but only time will tell whether they have been cautious enough to avoid harmful interference to existing services," said ARRL Executive Vice President David Sumner, K1ZZ. "The statement that 'The FCC will act vigorously to enforce the rules and act quickly on any reports of interference' is not reassuring to anyone who lives in the real world." The FCC's UWB Order will be among the items up for discussion at a meeting of the ARRL Executive Committee March 2 in Arlington, Virginia. The EC will study the Order's implications and consider whether it warrants further action on the part of the League. Wireless Internet connectivity systems are expected to be among the first commercial UWB applications. Proposed UWB devices include a range of imaging systems such as ground-penetrating radar, through-wall imaging systems, medical systems, and surveillance systems. The FCC has described the standards its Order outlines as "a cautious first step" with UWB. For now, at least, communication uses of ultra-wideband will be restricted to frequencies above 3.1 GHz. Amateur Radio has secondary allocations above 3.1 GHz at 3.3-3.5 GHz and


5.65-5.925 GHz, which are allocated to government radiolocation. The ARRL has been part of an industry coalition that called on the FCC "as a matter of fairness" to issue a Further Notice of Proposed Rule Making that included proposed UWB rules and specifies emission limits before it took action to authorize UWB equipment under Part 15. "We are disappointed that the FCC did not pay closer heed to the coalition's recommendation to keep UWB above 6 GHz," said ARRL's Technical Relations Manager Paul Rinaldo, W4RI. Although the ARRL has agreed in its formal comments that UWB can have useful and beneficial applications, it wanted the FCC to first establish specific rules, definitions and classes of UWB devices as well as appropriate interference avoidance regulations. "Until we know the specific technical characteristics and geographic distribution of UWB devices," Rinaldo said, "it is difficult to estimate the interference potential to amateur receiving systems." Concerns have been expressed by the US Department of Defense, the airline industry and cellular telephone companies about the potential of UWB devices to interfere with the Global Positioning System (GPS). The Defense Department said the FCC's decision to keep UWB communication applications above 3.1 GHz will protect GPS and other critical military systems from interference, but the DoD plans to monitor future UWB developments. The FCC said it intends within the next six to twelve months to review its UWB standards and issue a Further Notice of Proposed Rule Making to "explore more flexible standards and address the operation of additional types of UWB operations and technology. Since most UWB applications have not yet been made fully public, the League plans to evaluate what effect new UWB devices could have on Amateur Radio as they are rolled out to market. Rinaldo says the coalition partners will be gathering evidence and field testing UWB production models as they become available. ARRL's comments in the UWB proceeding are available on the ARRL Web site

<http://www.arrl.org/announce/regulatory/et98-153/index.html>
 --ARRL Legislative and Public Affairs Manager Steve Mansfield, N1MZA, provided information for this report -
 ARRL

**DIAMOND
IMAGE**

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- Wedding invitations



Why Should You Join RAC or Renew Your Membership ?



"what RAC has done for YOU lately"

- ⊞ Promoted CEPT and IARP to Industry Canada and now RAC is sole Canadian source for CEPT and IARP international operating permits. Since 1998.
- ⊞ Introduced the Worked All RAC Award (1998) joining RAC-sponsored Canadaward, Trans Canada Award, Provincial Capitals Award, and Seaway Award.
- ⊞ Arranged for annual awards of Canadian Amateur Radio Hall of Fame and Amateur of the Year.
- ⊞ Sponsor the RAC Canada Day, RAC Winter Contest and the Canadian Contest Championship .
- ⊞ Introduced new RAC Affiliated Club Liability Insurance. 1998
- ⊞ The Canadian Amateur magazine expanded to 64 pages - Jan/1999
- ⊞ Attended ITU meetings (since 1997) to argue against allocation to space borne synthetic aperture radars in the 70 cm band
- ⊞ Attended ITU meetings in 1999 to ensure that limits on unwanted emissions from Amateur Radio satellites are set at levels acceptable to the Amateur Radio community.
- ⊞ Attended ITU meetings, in 1999, to argue against expanded allocations to fixed wireless access systems in the Amateur Radio bands.
- ⊞ Ensured, (since WRC 1997) that the Canadian proposal for Third Generation PCS telephones excludes use of the amateur spectrum.
- ⊞ Conducting studies to argue against use of the Amateur 5GHz band for unlicensed, outdoor, high power, Local Area Network devices for interconnection of computers. 1999
- ⊞ Developed and submitted proposal for 137 kHz Amateur Radio band to match bands already approved in many other countries. 1999
- ⊞ Developed a proposal for a primary allocation at 2400 MHz to protect EME communications from interference from other services. 1998
- ⊞ Participated in the development of a proposal for new Amateur Radio bands between 250 and 1000 GHz. 1999
- ⊞ Participated in discussions of reallocation of Amateur Radio bands between 71 and 250 GHz to ensure that we do not lose any spectrum in that range. 1998/1999/2000.
- ⊞ Participated in the development and delivery of courses on Amateur Radio Administration for third world country governments, with the object of encouraging the understanding and support for Amateur Radio in governments around the world. 1999.
- ⊞ Participated (since 1997) in Canadian preparations for WRC 2000, to ensure that Amateur Radio interest are protected by the Canadian government delegation to Istanbul.
- ⊞ Ensuring (since 1995) that advice to the Canadian Government from the industry-led Radio Advisory Board of Canada, takes into account the interests of Amateur Radio.
- ⊞ Established band planning committees for Microwave, VHF/UHF and HF bands to ensure that our bands are used in a way that is fair and equitable, and takes into account the interests of all Radio Amateurs in Canada. Since 1997.
- ⊞ Prepared a landmark paper on the Future of Amateur Radio which provides a basis for the development of plans to ensure the continuing viability of Amateur Radio in presence of INTERNET competition
- ⊞ Worked closely (since 1994) with ARRL on sharing ideas, and finding solutions to problems of common interest for the benefit of Canadian amateurs.
- ⊞ Developed (under contract), and continuing to improve the web based Canadian Call Sign Data Base search facility, and negotiated the inclusion of call sign holder Qualifications. Updated daily. On RAC web site Oct 1, 1999.
- ⊞ Established web pages for QRP Canada, to promote and encourage the use of experimentation with low power among young amateurs. 1999.
- ⊞ Helped organize and provided guidance to ARISS, the program to establish Amateur Radio on the International Space station since 1996
- ⊞ Established web pages for ARISS, to promote and encourage participation by Canadian amateurs in the Space station.
- ⊞ Set up a group of volunteers to arrange and support contacts between Canadian schools and Amateurs on the International Space Station
- ⊞ Developed and maintained (since 1998) a web-based database of Frequently Asked Questions about the rules and regulations governing the acquisition and use of an Amateur Radio licence in Canada and abroad, to encourage the participation of more young people in our hobby. .
- ⊞ Participated (since 1994) in EMC Standards committees, to ensure that standards are developed to protect Amateur Radio communications, while helping to protect us from unrealistic accusations from users of other equipment.
- ⊞ Provided (since 1995) expertise to Industry Canada to support negotiation of a cross border sharing arrangement with the USA for the use of the 220 to 222 MHz band (Signed Dec 1999).
- ⊞ Worked with Industry Canada to improve RIC-1 on the Accredited Examiner process and procedures - issued Sept 16/99

- ⊞ Worked with Industry Canada to improve and expand RIC-3 to include all regulations supplementary to RIC-1 and RIC-2, including examination curricula and syllabi, except question banks. Sept/99.
- ⊞ Worked with Industry Canada to update and restructure examination question banks for both Basic (RIC-7) and Advanced (RIC-8) exams - posted on Strategis web site Sep 15/99.
- ⊞ Greatly expanded Amateur Radio National Bulletin Service for news and on-air events, including e-mail and packet distribution in both the English and French languages and relays on phone and CW nets by Official Bulletin Service stations - since 1998.
- ⊞ Represented Canadian amateurs at the World Radio Conference in Istanbul in 2000
- ⊞ Recommended to Industry Canada that Canadian amateurs be given full access to the HF spectrum with a 5 wpm Morse test. This will ensure continuance of reciprocal operating agreements with other countries.
- ⊞ Promoted Amateur radio in developing countries by teaching IARU and ARRL sponsored courses in Amateur Radio Administration since 1999.

Hints & Kinks by Ralph, VE4RY

Subject: Electrical Wiring Technique

When doing electrical work where stranded wire is to be connected to screws or lugs, such as on light sockets, wall outlets, switches, etc., most of us are quite willing to go the extra mile in the interest of safety. So, in order to prevent accidental shorts from loose strands, we solder the wire strands together before wrapping the wire around the screw.

I've watched the professional installers where I used to work do this in a slightly different way than most of us might think of. Instead of applying solder to the whole length of the exposed wire, they only solder the very tip of the wire - for about 1/8 of an inch - and leave the rest of the exposed wire unsoldered.

Then, using needle-nosed pliers, the wire is wrapped around the screw with a twisting motion in the direction that tightens the strands together. (The wire is, of course also placed so that it follows the rotation of the screw as it is tightened.)

By using this method, the fine strands of wire still stay together in one piece at the end, yet because only the end is filled with solder, the rest of the wire remains flexible and is easier to wrap tightly around the screw.

Public Service Honor Roll Criteria

Effective May 1, 2002

This listing is to recognize radio amateurs whose public service performance during the month indicated qualifies for 70 or more total points in the following 6 categories (as reported to their Section Managers). Please note the maximum points for each category:

1. Participating in a public service net, using any mode. --1 point per net session; maximum 40.
2. Handling formal messages (radiograms) via any mode. --1 point for each message handled; maximum 40.
3. Serving in a RAC-sponsored volunteer position: RAC Field Organization appointee or Section Manager, NTS Net Manager, TCC Director, TCC member, NTS official or appointee above the Section level. -- 10 points for each position; maximum 30.
4. Participation in scheduled, short-term public service events such as walk-a-thons, bike-a-thons, parades, simulated emergency tests and related practice events. This includes off-the-air meetings and coordination efforts with related emergency groups and served agencies. - 5 points per hour (or any portion thereof) of time spent in either coordinating and/or operating in the public service event; no limit.
5. Participation in an unplanned emergency response when the Amateur Radio operator is on the scene. This also includes unplanned incident requests by public or served agencies for Amateur Radio participation. - 5 points per hour (or any portion thereof) of time spent directly involved in the emergency operation; no limit.
6. Providing and maintaining a) an automated digital system that handles RAC/ARRL radiogram-formatted messages; b) a Web page e-mail list server oriented toward Amateur Radio public service -- 10 points per item.

Amateur Radio stations that qualify for PSHR 12 consecutive months, or 18 out of a 24 month period, will be awarded a certificate from Headquarters upon written notification of qualifying months to the RAC Vice President Field.

Winnipeg ARES Report by Jeff, VE4MBQ - Winnipeg EC

Our March meeting featured a brain-storming session instead of a guest speaker. We talked about participation requirements, entry of new members, and spent a little time talking about long-term equipment requirements. We agreed at the meeting, and this can be considered a Notice of Motion for our next meeting that, *Winnipeg ARES members are*

expected to attempt to attend at least four (4) WPGARES monthly meetings per year AND participate in at least two (2) Public Service Events or On-Air Exercises per year.

With regard to entry of new members, we agreed that, and this should be considered a Notice of Motion too,

An additional requirement for entry of new members will be sponsorship by a current WPGARES member in good standing or a satisfactory interview of the new member candidate by the Emergency Coordinator

WPGARES had a very successful Silent Auction at the WARC Flea Market. A big thank-you to Fund-Raising Co-Chairs Dick Maguire VE4HK and Mariska Maguire VE4MMG. A number of our members will be providing volunteer amateur communications 03,04,05 MAY for Team Handball National Championships in Winnipeg - coordinated by AEC Richard Kazuk VE4KAZ. CANWARN Net Controllers Meeting THURS 09MAY 1900h at PSPC. CANWARN New Spotter / Refresher Training SAT 11MAY 0900-1200h at Prairie Storm Prediction Centre, 4th Floor 123 Main Street (Union Station). If interested notify MBQ ASAP. This year our "season" runs 13MAY-08SEP, Controllers are on-call 0930-2130h daily. We are still in need of volunteer operators for 2002 Manitoba Marathon. Briefing will be TUE 11JUNE at MSF 200 Main Street. The Marathon is on Fathers' Day 16JUN. You can e-mail me: ve4mbq@rac.ca or call me on VE4WPG. Next WPGARES monthly meeting is TUE 21MAY 1900h at Sir Wm Stephenson Library 765 Keewatin St. Instead of a guest speaker we will be viewing a RAC Video "Emergency

Communications" courtesy of SM Derek Hay VE4HAY. During the business meeting we hope to deal with the two Notices of Motion mentioned at the start of this report

Editors Ramblings
By Derek VE4HAY

If you are having trouble with Spam mail coming to your e-mail address. Check the headers of the message. If you use Outlook Express, highlight the message, then right click, & select Properties. Then select the Detail tab. From here you will see all systems that the mail passed through. One of the systems might be the server.rac.ca. If this is the case then your RAC email alais has gotten out on the net and has been picked up by some unscrupulous persons. Your only solution is to install Spam filters, or to ask your ISP to filter for Spam. I asked my ISP (Shaw) help desk about Spam filters and they said HUH!., we have never heard of such things. Well guess what they exist. In fact all ISP's should have them as well as Virus checkers and Denial of Service checkers. These items should be standard services offered by all ISP's. So if you are getting sick of all the Spam you receive, check the headers as to where it is coming from and ask your ISP to activate Spam filtering. <http://www.network-tools.com> can be used to trace back any offending site. Enter in the IP address of the first system that received the mail and send the sysadmin an e-mail asking them to protect their systems better so that this does not happen again.



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