



The **NEWSCASTER**

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

September 2001

Free to Members vol: 2001-09

School's Back

Time to learn about what is in store this year from the club. Meet eye to eye with the local hams you have been making contact with all summer..

Also Elections

Date: September 10, 2001
Time: 7:30 p.m.
Place: Sturgeon Creek Regional Secondary School

Other Important Dates:

Articles: Oct 3rd - Article Deadline October Newscaster

WARC: Oct 15, Nov 12, Dec 10 - Monthly Meeting

WSC: Dec. 12th - Christmas Party

ARES:

Other: Thursday 9:00pm - MRS Net 147.390 MHz +
Sunday 1:00pm - MRS Net 147.390 MHz +

WARC's Field Day 2001 by David VE4DAR

When accepting responsibility for Field Day operations on May 14, Bob VE4RCJ, David VE4DAR and Richard VE4ESX established these goals: increase attendance by 50%; increase public involvement; recruit potential hams; and increase number of first time HF operators. "Proper preparation produces pleased participants!" became their theme.

Bob took responsibility for the site and equipment layout, technical administration, food services, logging and submission of field day results to ARRL. David supervised budget, liaison with WARC Executive, publicity and public relations, site security, safety and sanitation, displays, and final report. Richard tirelessly managed acquisition and transportation of equipment, shelters and supplies; site set up, maintenance, and take down.

All Kenwood rigs were used for consistency for new operators. A variety of antennas, consisting of a 20m beam; 40/15 vertical; 80/10 G5RV were employed to reduce interference. There was a public display and tryout area. Manitoba's EMCC served as the site entry point. Talk in was provided via VE4INT.

Mark VE4MAB faxed the press releases and prepared all the signs, visitors logbook, poster and handouts showing map to the Field Day site. Ed VE4YU prepared a generic amateur radio handout. Rick VE4OV supplied materials about RAC. Mariska VE4MMG and Dick VE4HK provided a notice board, Morse Code poster and practice set, as did Tedd VE4VID.

Darcy VE4DDW obtained Manitoba's Emergency Mobile Command Centre. Jeff VE4MBQ staffed the EMCC with WARES members. He and Don VE4DWG positioned and removed the EMCC. Mike VE4TCH of Comtelco provided a complete 6m set up. Irek VE4COZ brought his RTTY station. Rene VE4TV set up ATV and satellite stations.

WARC: Executive for 2001

Past President	Norm Coull	VE4EH	885-1692
President	Darcy Wilson	VE4DDW	783-0421
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	David Rosner	VE4DAR	489-4106
Goodwill	Vern Dutton	VE4VQ	256-5346

Harm VE4HAZ supervised tent erection and takedown. Glen VE4GWN and Rolf VE4VZ provided site security. Gord VE4GF was our liaison with park staff. Rosi VE4YYL, Glen VE4GWN, Eric VE4EWN and Nancy helped in many ways. Ruthie VE4CRS assisted with food shopping, preparation and service. Bert VE4AND, John VE4CCW, John VE4JNF and Willard VE4WJE provided other assistance. Equipment and supplies were provided by the Winnipeg Seniors Radio Club, Norwood Community Club, Manitoba Hydro, University of Manitoba and Manitoba Repeater Society. We apologize to anyone we may have missed.

The goals were generally achieved. More people attended than the official logged attendance of 118, which almost doubled last year's attendance. We hosted 71 hams (46 ARES) and 47 guests. At least 5 persons got on HF for the first time. There were several serious inquiries about becoming an amateur radio operator.

Total contacts exceeded 700; not bad considering that we lost about an hour due to lightning. 10 meters never really opened up, 80 meters was unusable due to static and 6 meters only opened up in the last few minutes. Ed VE4YU and Adam VE4SN boosted the score mightily with their work on CW.

The amateur radio community really came together at this event. We thank all the operators and volunteers, who appeared when required to load, unload, set up, cook and serve food. WARC, WARES and WSRC cooperated and supported each other with synergistic effect. There was good socializing at the campsite, BBQ and marshmallow roast. Everyone seemed to have a good time. Why not try Field Day next summer?

Field day pictures

From: "Darcy Wilson" <d.wilson@skyweb.ca>

I have uploaded some of the pictures that I took on the weekend. You can check them out at

<http://www.skyweb.ca/~d.wilson/> they are fairly small, so they will load quite quickly. Please feel free to pass this URL along to others to view!

Winnipeg ARES Report
by Jeff, VE4MBQ - Winnipeg EC

Nine WPGARES members assisted with the WSCRC mall display at Garden City Shopping Centre 5-7JUN01. Thanks to VE4s: ACX, AND, DL, HAZ, KU, MBQ, SE, TRO, WF.

Ten WPGARES members operated MEMO Mobile Command VE4EMC 23,24JUN01 during WARC Field Day at Birds Hill Park. Thanks to VE4s: AJR, CRS, DWG, EIH, GWB, HAZ, MBQ, STS, TJR, VID.

Five ARES operators ran a demo of VE4EMC FRI 27JUL at Red River Exhibition Park for Food and Farm Days. Thanks to VE4s: AJR, GLS, KAZ, MBQ, MHZ.

SSGT Paul Kentziger from Winnipeg Police gave us such an interesting presentation at our June meeting on communications issues during last November's Keystone Air Crash that we ran out of time and had to have a special meeting 16AUG just to finish the story. Marc Bruyere also attended the special meeting and presented each of the twenty operators that were on standby for VE4EMO for Flood Operations this past spring with a thank-you letter from MEMO.

September is shaping up to be a busy month. The volunteer briefing for Head of the Red Regatta (15SEP) and Terry Fox Run (16SEP) will be held on TUE 11SEP 1900h at Winnipeg Rowing Club on Lyndale Drive. Volunteer operators are still required for both events so if interested please contact Jeff VE4MBQ to sign up.

Our August monthly meeting featured Andrea McDonald from the Office of Critical Infrastructure Protection & Emergency Preparedness or "OCCIPEP" (formerly called Emergency Preparedness Canada). Our September monthly meeting will feature Dave Place VE4PN who will be speaking about the Manigotogan Regional EOC. That meeting is TUE 18SEP 1900h at West Kildonan Library 365 Jefferson near Salter. Right after Dave's presentation we will do a volunteer briefing for Parkinson Superwalk which is on SUN 23SEP. The deadline for nominations for the 2001-02 WPGARES Executive is 18SEP - the current Executive is standing for re-election (the Treasurer is looking for an apprentice). It was decided at the AUG meeting that we will be skipping a business meeting in SEP and dedicate OCT to our AGM (2000-01 Financial Statement, 2001-02 Budget approval, election of officers, EC Annual Report, etc) without booking a speaker for OCT.

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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Contest Calendar

September

02-03	0000-2400	SSB All Asian Contest
02	0000-2359	PSK PSK 31 Contest
02	1300-1600	CW AGCW Straight Key Party
02-03	1500-1500	SSB IARU Region 1 Fieldday
04-05	2300-0300	CW Labor Day QRP CW Sprint
06-08	1400-0200	CW/SSB YLRL Howdy Days Contest
09-10	0000-2400	SSB WAE DX Contest
09	1800-2400	CW SOC Marathon Sprint
10	0000-0359	CW North America 'Sprint'
15	2100-2300	CW/SSB AGB NEMIGA Contest
16-17	0001-2359	CW/SSB Air Force Anniversary QSO
16-17	Periods	CW/SSB Washington State Salmon Run
17	0000-0359	SSB North America 'Sprint'
17-18	1800-0100	CW/SSB Tennessee QSO Party
23-24	0000-2400	RTTY CQ WW RTTY DX Contest
23	1200-2359	SSB Panama Anniversary Contest
30	0000-2400	CW/SSB Louisiana QSO Party
30-01	2 periods	CW/SSB Texas QSO Party

October

07	0700-1900	SSB RSGB 21/28 MHz Contest
02	0700-1000	CW German Telegraphy Contest
06	0000-2400	PSK31 The PSK31 Rumble
06-07	1000-1000	SSB Oceania DX Contest
06-07	1200-1200	CW/SSB F9AA Cup Contest
06	1500-1859	SSB EU SPRINT Autumn
06-07	Periods	HELL International HELL-Contest
06-07	1600-2200	CW/SSB California QSO Party
06-07	2000-0200	SSB IBERO American Contest
10-12	1400-0200	CW YLRL Anniversary Party
13-14	1000-1000	CW Oceania DX Contest
13-14	2 periods	CW/SSB Pennsylvania QSO Party
13	1500-1859	CW EU SPRINT Autumn
13	1700-2100	CW FISTS Fall Sprint
14	0000-0200	CW Asia-Pacific Sprint
14	0000-0359	RTTY North America 'Sprint'
14	0700-1900	CW RSGB 21/28 MHz Contest
20-21	0000-2400	RTTY JARTS WW RTTY Contest
20-21	0000-2400	All Rhode Island QSO Party
20-21	1200-2400	CW QRP ARCI Fall QSO Party
20-21	1500-1500	CW/SSB Worked all Germany Contest
21-22	1800-0200	CW/SSB Illinois QSO Party
24-26	1400-0200	SSB YLRL Anniversary Party
27-28	0000-2400	SSB CQ W W DX Contest

Minutes for W.A.R.C. June 11th, 2001 Submitted by Ruthie, VE4CRS

Meeting called to order at 1935 hours by Darcy, VE4DDW. Darcy welcomed members and quickly reviewed

successful year for WARC; mentioned Field Day being good way to end year. Introductions followed. 36 members and 4 guests attended.

Annual re-election of executive was postponed until September as a quorum is needed for voting. Glen VE4GWN has volunteered to take over program chair from David VE4DAR.

Moved/seconded by Louis VE4PLJ/John VE4JNF that minutes of May meeting be accepted as printed in Newscaster. Motion carried.

Treasurer's Report Sue VE4SYM

Total revenue \$ 120.00
Total expenses \$ 257.49
Total cash on hand \$4,534.61

Membership Report Mariska VE4MMG

To date, 20 renewals. Membership is due end of September 2001.

Jacket order in fall – need 12 orders for bulk order. Show of hands, 6 people interested.

RAC Rick VE4OV

Effective 19 May, 2001, radio amateurs with basic and 5 wpm code are granted full HF access. Radio Information Circular (RIC-2) has been modified to show this change.

The RAC Canada Day Contest is coming up. Adam Romanchuk VE4SN and Ed Henderson VE4YU will put VE4RAC on the map this year.

The IARM HF championship contest will be held on 14/15 July 2001. Derrick Belbas VE4VV is coordinating a national contest entry for RAC. Manitobans are in ITU Zone 3.

Summer is here. Be cautioned while putting up antennas/wires.



WWW.VE4.NET
Promoting the Spirit of Radio

Bob Hrabí

VE4ZAP

Re survey – there were 51 responses. Camping, astronomy were high on the list. Significance – this info will be used to approach advertisers.

ARES Jeff VE4MBQ

Asked for volunteers for mobile command, Field Day, Birds Hill.

DX Sleuths Adam VE4SN

Sad!! Not much going on. Get on Canada Day Contest.

Programs David VE4DAR

Wrapped up year's programs. Good base had already been established by Tom VE4SE and those before him. David thanked WARC executive and all members for volunteering and participating.

Marathon Pat VE4PLG

Welcome any volunteers as more are needed. Contact Pat. Phone number in Newscaster. Meeting on June 12, 2001 at 200 Main St., 1700 hours.

Future events

International Ham Fest – July 13, 15, 2001.

WARC is hosting. Tom and Ruth VE4SE and VE4XYL are coordinating.

MARM – 17, 18 August, 2001. Austin, MB
Camp 807 – Fort Francis

Field Day David VE4DAR

David explained roles of “Trinity” – the three coordinators are: Richard VE4ESX, Bob VE4RCJ, David VE4DAR Goals are to increase attendance, encourage more people on HF, encourage new folks to join hobby. Posters are up and press releases are out. Will be operating 24 hours. WSC doing great job in getting people to participate.

Easiest way to get to site is through the East Gate at Birds Hill Park. Map in Newscaster.

Need volunteers for Saturday 0800 hours at WSC for loading. The following members volunteered: - Glen VE4GWN, Eric. For 1000 hours at site – Harm VE4HAZ, Tim VE4TJR, John VE4JNF.

Operating hours: Saturday 1300 – Sunday 1300.

Bonus: - EMCC, try out area for kids, 2m, CW, 6m setup, ATV.

Saturday 1730-1900 hours free BBQ

Sign-up sheet for “Meet and Great”.

8 allowed spaces for campers on site.

Show of hands – 20 members interested in attending.

Monitoring INT Repeater for talk-in on frequency 146.82-

Good and Welfare

Ed VE4YU reported on display at Garden City Mall as being very successful. Ed thanked Jeff VE4MBQ and the 32 hams and one clown who showed up to help.

Dick VE4HK reminded members not to use WPG and UMR repeaters on Sunday June 17, 2001, as they are being used for the Marathon. Milner Ridge repeater not working. Power problem.

Attendance draw

Ben VE4BBM. Raffle – John VE4QV.

Presentation

Maiko VE4KLM “Mostly Packet and some IRLP”

Maiko's vast knowledge of packet was shared with members. His enthusiasm and passion for it was apparent to us all. Thank you Maiko for a most enlightening presentation

First 24 GHz EME QSO

By Barry Malowanchuk VE4MA

The First 24 GHz Earth-Moon-Earth (EME) QSO on 24192 MHz was accomplished on Saturday August 18, 2001 at 1417 GMT. A QSO was made between Al Ward W5LUA of Allen, Texas and Barry Malowanchuk, VE4MA in Winnipeg, Manitoba. The QSO was the result of several years of effort in trying to optimize antenna gain, receiver sensitivity and obtain adequate power to make the roughly ½ million mile path to the moon and back. Signals were weak but easily copied at both ends. Barry uses a 2.8 meter offset fed dish with a 1.6 dB noise figure low noise amplifier. Power is obtained from a Varian TWT (Traveling Wave Tube) Amplifier producing 70 watts in the shack with 2 dB of transmission loss in the form of wave guide running to the dish feed horn. Al uses a 3 meter prime focus dish and a 1.75 dB noise figure low noise amplifier. Power is obtained from a Thompson TWT producing 80 watts at the dish feedhorn. WA7CJO and AA6IW are also nearing completion of their 24 GHz EME stations and QSOs with Jim and Lars are expected soon. Other stations in Europe such as CT1DMK and G3WDG are known to be capable of receiving EME signals. Additional 24 GHz EME tests are being scheduled for September.

Congratulations Barry from the club and all your fellow amateurs. Well done !!

News from VE4WSC Winnipeg Senior Citizens Radio Club

Another successful Annual Picnic was held on Thursday, August 30 at the St. Vital Park. 77 attended, including Gordon Steeves, our Ward Councilor. As usual, George, VE4GNG, did a bang-up job coordinating this event, and a big thanks is due to all the OMs and XYs who handled all the culinary details. At the end of the meal, all the corn, hotdogs and hamburgers were gone, attesting to the quality of the food. We had old-tyme music by Ed, VE4YU, and during the meal itself, 'troubadour' Paul, VE4PXP gave us his renditions of some fine sing-a-long songs, accompanying himself on the guitar. Then, during the 'sunshine' period of the afternoon, when everyone was sitting out on the grass after the meal, Paul, VE4PXP, took the mike and regaled us with some comical stories.

The HF station set-up by Roy, VE4ROY, was again active, and was in use by some who had a hankering for some 'operating'.

Because the picnic was held in August instead of September, we will be having our regular monthly breakfast – to take place at the usual site, the Canad Inns Garden City at McPhillips & Jefferson. Date is Thursday, September 13, and it begins at 9 a.m. Everyone is welcome to attend.

The next Board meeting will be on Wednesday, September 19th. Members are cordially invited to attend these to learn about the ongoing affairs of the Club. Starting time is 10 a.m. sharp.

Tickets are now available for the Christmas Party, to be held at the Assiniboia Christian Centre, 3390 Portage Ave. at Rouge Rd. (Westwood). Price is \$15.00 per person. Tickets can be obtained at the Club from a duty officer, or one of the executive in attendance.

We hope everyone has had a wonderful summer, and is ready to get back into 'hamming' in a very active way, whether on-air, or taking a role in one of the many opportunities to be of service in your club. BCNU!

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Membership Report by Mariska VE4MMG

Summer is almost over and soon everyone will be enjoying warm fall days and thinking about ...Ham Radio... and ... yes ... the WARC monthly meetings will commence in September. I hope everyone had a wonderful summer. The next meeting will be 10 Sept 01. (see Newscaster for meeting place).

WARC memberships are due at the end of Sep 2001. Please see the application form elsewhere in this Newscaster or visit the WARC Web Site at

<http://www.virtualmultimedia.com/warc/>

Some members have expressed interest in purchasing WARC jackets. We require a minimum of 12 jackets before we can place a bulk order. Let Darcy VE4DDW or me (VE4MMG) know if you are interested in buying a jacket.

AMATEUR RADIO IN TURKOMAN = EZ= (EX UH)

Today, when the Turkoman becomes an independent state, many people in my country begin working on AIR and maybe, after some years, Turkoman will go away from the list of "most wanted countries". We already have more than 10 active stations in our country. In Ashgabat - my native city - we have 4 very active HAM. Also some people from different parts of the Turkoman talk today on the air. We have many problems with equipment, but not because of illegal use. Everybody who wants, can buy a license for amateur radio. But impossible buying any transceiver or even a simple receiver. - Bad economical situation but similar equipment never was in our shops. I am more than sure that all HAM in the Turkoman use home made equipment: from transceiver up to antennas. I am also using a transceiver which is a popular Russian construction - UA1FA with GU-50 tube and power of 50 watts. One further big problem is the mail "service". You must know that our postmen are very bad person who rob our letters, nice cards and of course the mail contributions. So a big percent of it is lost or we receive it opened (if receive it at all). But we hope that the situation will become better and that everything will be O.K.

Had any great happenings in Amateur radio in the last little bit. Why not share it with the rest of the club. Write it up and submit it for publication in this newsletter.

Know some Antenna theory, or have a great tip for other to use. Tell us about it.

Submit your articles to ve4hay@rac.ca

RAC Bulletins

www.rac.ca/~racnews/othernotices/racbullemail.htm

RAC Bulletin 01-043E

Ontario Bill 49

While the following only affects amateurs in Ontario, we believe that the repercussions of the passage of this bill could eventually affect other regions of Canada...

Bill 49 titled "To amend the Highway Traffic Act to prohibit use of phones and other equipment when driving on a highway" has received First Reading in the Ontario Legislature. The Explanatory Note mentions cellular phone, car phone, portable computer and fax machine. As this may include Amateur Radio equipment, Radio Amateurs of Canada has filed Comments with the author and copies to the party leaders. Please refer to RAC web site <http://www.rac.ca/bill49.htm>.

There you will find details on Bill 49 and suggestions on how you can forward a copy of the RAC Comments to your MPP with your own comments. Second Reading is not expected until Fall.

RAC Bulletin 01-046E

RAC Certificate of Proficiency in Morse Code

To encourage Morse Code proficiency, Radio Amateurs of Canada now offers a Certificate of Proficiency in Morse Code, to be issued by the RAC Awards Manager, in recognition of candidate Morse code proficiency at speeds of 12, 15, 20, 25, 30, 35, and 40 WPM. A new dated certificate will be issued with each new 'qualification' earned. The examination and certificate are also available in the French language. A charge of \$5 is assessed to cover printing, handling and postage costs.

Testing may be performed by any Accredited Examiner holding a current Industry Canada Letter of Authority who voluntarily chooses to participate in this program. Certificate testing is for proficiency in Morse Code reception using the Industry Canada RIC-1 standards. The examination may be generated by any of several software programs or audio tapes prepared using such a program, using suitable text selected by the Accredited Examiner. Accredited Examiners may also authorize the certificate application form for candidates who produce an original Advanced Amateur, First Class or Second Class Commercial, or military Morse Code qualification certificate issued by the Canadian government to that candidate, for the receiving speed shown on that certificate.

Details, software and forms downloads are available on the RAC website: <http://www.rac.ca/morseprog.htm>

RAC Bulletin 01-055E

RAC CONVENTION 2002 UPDATE

July 26,27,28,and 29 2002 marks the date of the Second RAC National Convention. The event will take place on the above dates in the city of Vernon, British Columbia. The sponsoring clubs are the North Okanagan Amateur Radio Club (NORAC) and the Orchard City Amateur Radio Club (OCARC) Further details will be announced when available via bulletins and the website at www.rac2002.org

RAC Bulletin 01-060E 2001

HoF & CRAY Nominations

Call for 2001 Nominations for the Canadian Amateur Hall of Fame (HoF) and Canadian Radio Amateur of the Year (CRAY).

For 2001 eligibility, nominations for these two prestigious RAC sponsored awards must be received at Radio Amateurs of Canada Headquarters by September 30.

Please consult the nomination rules on page 11 of the July/August issue of The Canadian Amateur magazine or on the RAC web site at: www.rac.ca/hof.htm and www.rac.ca/hofray.htm

News from the Net

IARU Region 2 Conference official station in Guatemala

The IARU Region 2 conference will take place from October 1 to October 5 2001, in Guatemala city Guatemala.

Mr. Marco Tulio Gudiel, TG9AGD, President of the Organizing Committee, has communicated that an radio amateur station will be installed at the Marriott Hotel, site of the conference, for delegates use.

The Call Letters assigned is TG0IARU.

He also inform that those radio amateurs visiting Guatemala in the occasion of the conference, after register as delegates will receive a temporary operation permit that will be issued by the Club de Radioaficionados de Guatemala.

The call letters will be constructed by preceding your own with the prefix "TG9"as in TG9/VE3CDM

ITU adopts Recommendation on Amateur Qualifications

The International Telecommunication Union (ITU) has adopted new Recommendation ITU-R M.1544, Minimum qualifications of radio amateurs. In consideration that certain minimum operational and technical qualifications are necessary for the proper operation of an amateur or amateur-satellite station, the document recommends that at

minimum, any person seeking an amateur license should demonstrate theoretical knowledge of specific topics in the areas of radio regulations, methods of radiocommunication, radio system theory, radio emission safety, electromagnetic compatibility, and avoidance and resolution of radio frequency interference.

"The international Radio Regulations have long required that administrations take such measures as they judge necessary to verify the operational and technical qualifications of any person wishing to operate an amateur station," observed International Amateur Radio Union Secretary David Sumner, K1ZZ. "In anticipation of changes that are likely to be made in the amateur and amateur-satellite service regulations at the next World Radiocommunication Conference, the new Recommendation provides additional definition to these qualifications without reducing the prerogative of an administration to set its own standards."

M.1544 represents part of a multi-year effort by the International Amateur Radio Union to prepare for the 2003 World Radiocommunication Conference (WRC-03) agenda item to consider possible revision of Article S25 of the international Radio Regulations. This work was begun in 1996 with the release for public comment of a discussion paper by the IARU Future of the Amateur Service Committee (FASC). The final report of FASC in 1998 recommended that the IARU Administrative Council plan the development of such a Recommendation. The first draft text was submitted by the Radio Society of Great Britain to the 1999 Conference of IARU Region 1 in Lillehammer, Norway, and was subsequently refined by the Administrative Council and the 2000 Conference of IARU Region 3 in Darwin, Australia. IARU representatives guided the consideration of the Recommendation through ITU-R Working Party 8A, Study Group 8 and consultation with administrations, which resulted in additional refinements. The final version of the Recommendation was approved by the ITU administrations without objection.

"Having this Recommendation makes it possible to maintain an ITU document on amateur radio operator qualifications under cognizance of an ITU-R Study Group rather than the more cumbersome process of modifying Article S25 of the Radio Regulations," said IARU President Larry E. Price, W4RA. "The establishment of uniform minimum qualifications for amateur radio operators should help mutual recognition of amateur licenses for international roaming and particularly for cross-border movement of amateur operators for disaster communications."

ITU Recommendations are available from the ITU electronic bookshop: <http://ecs.itu.ch/cgi-bin/ebookshop>.

(Thanks to the IARU Secretariat)

As an IARU Member society, Radio Amateurs of Canada has contributed to the development of the Future of the Amateur Service Committee report, and has participated on the Canadian delegation to Working Party 8A meetings in Geneva. RAC as well as the Canadian delegation to the ITU meetings fully support the new Recommendation. (VE3PU)

APRS satellite up next month

A new Amateur Radio tracking and communications satellite called PCSat is scheduled to launch September 1 (0100 UTC) from Alaska. PCSat will augment the existing Amateur Radio Automatic Position Reporting System (APRS) by providing links to the 90 percent of Earth's surface not covered by the terrestrial network.

Designed and assembled by midshipmen at the Naval Academy in Annapolis, Maryland, PCSat's first mission was to provide practical hands-on experience in support of the students' aerospace curriculum. The midshipmen worked under the guidance of Academy Senior Project Engineer Bob Bruninga, WB4APR-- the acknowledged "father of APRS."

"We hope that PCSat will be a new direction for amateur satellites by serving the communications needs of travelers with only mobile and hand-held radios anywhere on Earth," Bruninga said. PCSat will be the first satellite to report its exact position directly to users via its onboard GPS. This means that whenever the bird's in view, users won't need tracking software to determine its position.

According to Bruninga, the satellite will demonstrate vehicle tracking and communication for GPS-equipped remote travelers-- including Naval Academy vessels at sea, cross-country travelers, expeditions or anyone far from the existing APRS terrestrial tracking infrastructure. In addition to its APRS capabilities, the satellite will offer 1200 and 9600-baud packet operation on VHF (145.825 MHz) and UHF (435.250 MHz). For APRS digipeating, the satellite will use the recognized North American APRS frequency of 144.39 MHz.

Bruninga said that PCSat should make a great classroom tool, since its telemetry can be received by any hand-held packet radio for display to students on their PCs. "And with the Internet connectivity of ground stations worldwide," he said, "classes are not limited to observing passes only over their school, but anytime PCSat is in view of any other participating school." PCSat was deemed spaceworthy last month. Bruninga left this week for Alaska and the launch preparations. PCSat will be one of four satellites in the Kodiak Star payload, and the only one with Amateur Radio capabilities. The others are Sapphire, Starshine III, and PicoSat.

PCSat Web site

<http://web.usna.navy.mil/~bruninga/pcsat.html>

LOGBOOK OF THE WORLD

The ARRL are moving ahead with details of the "Logbook of the World" project. Described as a secure electronic alternative to traditional QSLing, has been under development for several months at the ARRL Board's request. As conceived, once the Logbook of the World is implemented, ARRL would become the repository of QSO information used to automatically confirm contacts among participants. Confirmation data also could automatically update ARRL awards programs, such as DXCC, and possibly programs sponsored by organizations other than ARRL.

Editors Ramblings
By Derek VE4HAY

Well, summer is almost over and its time to once again put away the sunscreen and to think about those winter home brew projects. While I have been too busy to enjoy the hobby this past summer, I hope that others have taken my space in the spectrum and have made theirs and my share of contacts.

I did make it out to the International Hamfest at the International Peace Garden. It was a good time. But I did not see to many VE4's there. I also made it to the MARM hamfest in Austin. And once again it looked like attendance was down. I hope it is just because of the great weather we have had this summer. Because if this keeps up there will not be any hamfest within a 1 day drive of Winnipeg if

WARC Annual Fall Flea Market
October 21, 2001
Heritage Victoria Community Club
950 Sturgeon Rd.

If you are interested in purchasing a table should contact any Executive member. Those interested in volunteering for set up or take down, door duty, or just want to help out, please get in touch with any of the WARC executive. Their names & numbers are at the front of this newsletter.

people stop going. Just something to think about for next year.

Before I forget, I am sure that the Winnipeg Seniors Radio Club will once again be putting on an evening Basic learning class and most likely a CW class as well. So if you know of anyone, friend or relative, who would like to become part of this great hobby of ours, or if you would like to upgrade your certificate to have CW and gain access to the whole HF band, then give the club a call and sign up. Classes are starting very soon now.

Anyone have any news that they would like to have printed in this newsletter. Like something on the various events that happened during the summer or their point of view the marathon. Write it up and send to me ve4hay@rac.ca. 73



Kenwood "Fall Sale"

HF Rigs

- * TS-2000S..... HF+6M+2M+70CM \$3399
- * TS-870S....HF DELUXE \$2899
- * TS-570S/G.....HF+6M \$1799
- * TS-570D/G.....HF W/TUNER. \$1599
- * TS-50.....COMPACT HF \$969

Mobiles:

- * TM-D700A....DUALBAND W/TNC \$949
- * TM-V7A...DUALTX,RX \$669
- * TM-261A....BACK LIT MIC, 2M \$299

Hand-helds:

- * TH-G71A.... DUAL BAND, 5W \$339
- * TH-D7A....2M/70CM W/TNC \$539
- * TH-22AT...2M HANDY \$239
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