



The **NEWSCASTER**

The Official Publication of the Winnipeg Amateur Radio Club
<http://www.WinnipegARC.org>

March 2012

IRLP # 1066 on VE4WRS 145.450-

VE4BB

Project Night Building RDF Antennas

Date: Monday, March 12, 2012

Time: 7:30 PM

Place: Dakota Collegiate - *See you there!*
661 Dakota Street (At Beliveau Rd.)

Other Important Dates...

Newscaster: Deadline March 28, 2012

WARC: Monthly Meeting Dates
April 9, 2012—Home Brew Night
May 14, 2012—TBA
June 11, 2012—Election Night

WSC: 2nd Thursday of month
Breakfast—Garden City Inn

ARES: Tuesday, March 20, 2012
Sir Wm Stephenson Library
765 Keewatin Street

Other: WARC Spring Flea Market
Sunday, April 15, 2012
Heritage Victoria CC

Fishing For A Cure — June 2, 2012

WARC Executive for 2011-2012...

President	Garth Blumm	ve4gwb@gmail.com
Vice-Pres.	Gordon Jewsbury	ve4ok@shaw.ca
Treasurer	Bob Jacobs	rcjacobs@hotmail.ca
Secretary	Jim Sutton	Jim.Sutton@AAAalarms.ca
Membership	Garth Blumm	ve4gwb@gmail.com
Programs	Vacant	
Past President	Mark Blumm	ve4mab@rac.ca

The President's CQ - Garth, VE4GWB

Well if March comes in like a lion, I guess it will be going out as a lamb. Fine with me. Would rather get winter over with even though it just got here.

Thinking ahead to warmer weather and the upcoming Field Day on June 23-24th. Once again will be held at the Canadian Mennonite University's south campus. If you have any ideas or want to help out let me know.

This month is the RDF antenna kit build so I hope everyone interested has let Jim know or if you are bringing your own materials that is ok too.

If your not building one I encourage you to still come out as it should be a interesting night seeing them come together.

73's for now,
Garth, VE4GWB

From your Editor—Mark, VE4MAB

As you all know the Newscaster is now only published in electronic form, distributed as a PDF document to our member's e-mail address, and archived on our web site.

I can ensure that your e-mail address is on the list, however, I can't guarantee delivery! I do receive several bouncing back to me as undeliverable for reasons that mail boxes are full or addresses do not exist.

So if you change your e-mail address make sure to let me know so I can update the mailing list.

Also, if you are using a @RAC.ca address, please ensure that your membership at RAC is current or those e-mails won't be forwarded.

Our Vision

To increase public awareness and respect for Amateur radio; to provide education and support in all aspects of the hobby to our members in a social atmosphere

***WARC Meeting Minutes,
February 13, 2012
Taken by Mark, VE4MAB***

Called to order 1933

Garth on behalf of WARC wished all the ladies present a Happy Valentines day followed by introductions.

Adam, VE4SN, introduced new ham Robin, VE4WNP

Motion to accept minutes by Glen, VE4GWN and 2nd by Dick, VE4HK, majority in favour.

Business arising from the minutes -

None

Treasurers report -

Bob, VE4RCJ, reports a bank balance of \$ 6690.85 with \$ 473.10 in cheques not cashed leaving an actual balance of \$ 6167.75

Secretary's report -

Jim, VE4SIG, not present

Membership report -

Currently have 93 members and 3 have renewed through PayPal.

Programs -

Tonight's presentation by the Winnipeg Digital Repeater Group will be programming your radio and using the D-Star repeater VE4WDR with live demonstration to include a contact with RAC President Geoff, VE4BAW, through the D-Star system.

March will be project night. We will be making "Radio Direction Finding" antennas for under \$15 with both SMA or BNC connectors.

April of course is Home Brew Night

ARES -

Jeff Dovyak, VE4MBQ, detailed report is on page 7 of the FEB newsletter. Roster for Klondike Derby 3, 4 MAR is complete.

Next General Meeting is 21 FEB.

Recruiting for 2012 Manitoba Marathon began late JAN. We need approximately 90 Amateur Radio operators. Each volunteer must complete and submit a 2012 volunteer registration form - e-mail is preferred. Have 34 Amateurs so far. Amateur Briefing is 12 JUN - if a registered volunteer cannot attend they need to let us know who will attend the briefing in their place to get their stuff.

Manitoba ARES -

Jeff Dovyak, VE4MBQ, reported the status of VA4DIG has not changed. Special Projects DEC is waiting for Government Services to drill some holes on elevator penthouse and install masts.

Manitoba EMO Flood teleconference scheduled for 9 MAR. Manitoba EMO Flood Seminars in Brandon & Morris tentatively scheduled for mid-MAR (local ECs may be attending).

CANWARN Spotter Training SAT 24 MAR in Selkirk MB. Notify MBQ by FRI 16 MAR if planning to attend.

RAC Derek -

Still working on 60 meters..

RAC members can download the electronic TCA since mid January. So sign in at the RAC web site and do so. Future issues will have clickable links added.

Rolf, VE4VZ, asked about 220 Mhz. Derek says we still have access to it and also said nothing from the television channels is going to mobile use.

Tom, VE4SE, asked if getting the electronic TCA was a choice and Derek verified it is so.

Derek discussed the mailing costs and suggested perhaps a surcharge for a printed copy may be in the future.

Jeff, VE4MBQ, asked about a value for a surcharge, suggesting \$20. Derek explained that mailing costs differ depending on where it is being sent in Canada.

Craig, VE4CDM, asked if the issues will be archived and Derek advised they would pointing out that only the electronic versions would be saying that an agreement with the publisher prohibits previous versions from being archived in such a manor.

Derek passed out roses to the ladies.

³
DX-

Adam, VE4SN, reports the contact of choice has been HK0NA on every band, mode, plus digital. He did some research and the station has logged 920,000 QSOs. The best DXPedition in some time. Other DXPeditions are working digital only. Look for Pitcairn Island and the Congo. VE4TTH mentioned Christmas Island too.

Education -

We've run out of the study guides and Bob has ordered 6 more to be available for \$45.

WARC Spring Flea Market -

Dick, VE4HK, reported that April 15, 2012, is the highlight of the spring social season - the Spring Flea Market at the Heritage Victoria Community Club, 950 Sturgeon Road. Ruth, VE4YYL, is selling tables.

Doors open for socializing at 0930, and for vendors to set up at 0945. Doors will open at 1030 with draws being held at 1130. Admission is still \$3 and please remember to bring exact change.

Also be sure to stop by the ARES silent auction. Visit the WARC table to renew your membership or buy more raffle tickets for the D-Star radio.

Bring along your UHF VHF radios and manuals for testing at the MRS table.

Look on the KIJIJI web site for our ad and tell all your friends.

Guides on the Air -

Amateur Radio Service Centre
Industry Canada

P.O. Box 9654, Postal Station T
Ottawa, Ontario, K1G 6K9
Telephone: (613) 780-3333
Toll free: (888) 780-3333
Fax: (613) 998-5919

E-mail: spectrum.amateur@ic.gc.ca
http://strategis.ic.gc.ca/epic/internet/insmt-gst.nsf/en/h_sf01709e.html

IRLP Node 1066
145.450 MHz -600 KHz
(VE4WRS)

Comments or if you just want to reach us :

Winnipeg Amateur Radio Club
C/O VE4WSC
598 St.. Mary's Road
Winnipeg, MB R2M 3L5

Coming up this Sunday Jim, VE4SIG, has arranged a Guides on the Air event at the WSC. Unfortunately he will be in Disney Land so Bob, VE4RCJ is helping out. Bob reports he has 3 groups attending. Bob asked for some YL's to help out to show it's not just a "male" hobby.

New Business

Garth asked the membership how many would like to have new club jackets. 12 in a show of hands so Garth will look into it.

John, VE4JNF, advised that Fishing For The Cure is planned for June 2, 2012. The event takes place in Selkirk to help kids with cancer. Hams provide radio communications for the event and requires about 12 operators. See John if you wish to help out.

Good and Welfare -

Glen, VE4GWN, has raffle tickets so see him at the break.

Motion to adjourn by Glen, VE4GWN, 2nd by Rolf, VE4VZ, majority approved. Break, draws and D-Star presentation followed.

D-Star Mobile and Handheld

Amateur Radios are available from your local
Winnipeg ICOM Dealer...

Micro-HighTech Communications Ltd.

197 Leila Avenue, Winnipeg, MB
(204)-783-1885

Contact George Hill, VE4GDH
Visit Icom on the web..

[http://www.icomcanada.com/products/
amateur/amateur.html](http://www.icomcanada.com/products/amateur/amateur.html)

On The Web -

The following application note is excellent reading and all amateurs should be aware of this material..

[http://www.protectiongroup.com/
ProtectionTechnologyGroup/media/PTG/
WhitePapersandTechnicalNotes/1485-013.pdf](http://www.protectiongroup.com/ProtectionTechnologyGroup/media/PTG/WhitePapersandTechnicalNotes/1485-013.pdf)

Submitted by Ed, VE4EAR

Spray-on antennas..

[http://www.theregister.co.uk/2012/02/14/
spray_antennas/](http://www.theregister.co.uk/2012/02/14/spray_antennas/)

Submitted by Glen, VE4GWN

Winnipeg ARES

Jeff Dovyak VE4MBQ ve4mbq@rac.ca

Our February General Meeting featured a presentation on Call-Outs and Equipment. A PDF copy of the presentation was distributed by e-mail after the meeting.

Approximately 12 ARES members will be providing volunteer Amateur Radio Communications 3, 4 MAR for Klondike Derby at Camp Amisk. Some additional event information is available at:

http://klondike.shawwebspace.ca/asset/view/49764/41st_klondike_derby.pdf

Jim VE4GZ and Dick VE4HK are scheduled to attend the WEM Course mid-MAR.

Our next General Meeting is TUE 20 MAR 1900h at Sir Wm Stephenson Library 765 Keewatin Street. A guest speaker has been invited but is not confirmed at press time. If the invited speaker falls through we will do a roundtable on ARES "Go Kits".

CANWARN Spotter Training will be held SAT 24 MAR 0900-1200h in Selkirk Manitoba. Anyone interested should check with their local ARES Emergency Coordinator for more information and register by FRI 16 MAR. Any certified Amateur Radio Operator can be a CANWARN Spotter, ARES membership is not required.

We do need additional ARES members to volunteer as CANWARN Net Controllers – that position does require ARES membership and a federal security clearance (which is facilitated by Environment Canada). One-on-one mentoring is available for new CANWARN Net Controllers.

The spring flea market is quickly coming up and I am the organizer of the Winnipeg ARES silent auction.

The silent auction is the major way ARES receives its funding and I am currently seeking donations or perhaps a lead or two. Also, for the big day, I will be looking for help working the silent auction table.

If you have any thing you would like to donate, have a lead for donations, and or would like to help at the flea market please contact me.

Ed, VE4EIH
edihorton@hotmail.com
 Ph. 669-4260

See you at the flea market.

Manitoba Marathon

Jeff Dovyak VE4MBQ ve4mbq@rac.ca

Recruitment of Amateur Radio Operators for the 2012 Manitoba Marathon continues – we still need approximately 50 volunteer operators. As stated last month, we need a new Volunteer Registration form each year - those registration forms are posted on the WARC and Winnipeg ARES web-sites.

New for 2012, the Marathon Executive Director requires a driver licence photocopy from anyone operating a Marathon vehicle. Those copies will be collected at the 12 JUN Amateur Radio Briefing – Amateurs operating Marathon vehicles will be notified approximately 1 week in advance.

FLEA MARKET

The WARC Spring Flea Market is the highlight of the spring social season for all hams! Be sure to attend, and bring a friend. Doors open at 9:30 am for coffee, muffins and socializing. Buying begins 1 hour later at 10:30 am.

Spend some time cleaning up your shack, then box up those surplus goodies.

Contact Ruth VE4XYL ve4se@mts.net , 837-6915 or on the 2 meter nets to book your table. Good tables are going fast.

Admission is \$3.00 per person. *We ask that everyone bring exact change*

Tables are \$5.00 each for WARC members, \$10.00 each for everyone else.

Winnipeg Amateur Radio Club will be selling tickets for your choice of a DSTAR radio, or a \$500.00 gift certificate from Future Shop. Winnipeg ARES will have tables filled with wonderful prizes in the Silent Auction. Now for the important stuff!

The Flea Market is scheduled for

Heritage Victoria Community Club
950 Sturgeon Road
Sunday, April 15, 2012

Doors open for coffee and socializing, at 9:30 am. Set up for vendors is from 9:45 am until 10:30 am. Buying is from 10:30 am until around noon. All draws will begin at 11:30 am

For further information contact Dick VE4HK
ve4hk@rac.ca 256-3143 or on VE4WPG repeater

***WSCRC Happenings -
The Old Timers' Corner
by Ed Henderson VE4YU***

Winnipeg Senior Citizens Radio Club, VE4WSC, held their monthly Board meeting on February 15.

The Guides On The Air event took place on Saturday February 19. As Jim, VE4SIG, was away, Bob VE4RCJ assumed the reins. In four time periods, 7 leaders and 24 Guides, Pathfinders, Brownies and Cubs were introduced to the wonders of Amateur Radio. Assisting Bob VE4RCJ were Ed VE4OAK, Tom VE4SE, Ruth VE4XYL, Pat VE4PLG, Alf VE4ALF Kumara VE4WKP, Supun VE4WSP and Piyumi VE4WPL. There was great TV and newspaper media coverage. Thanks to all for volunteering!

WSCRC held a small sale at the club on Saturday, February 25, to dispose of some unneeded equipment and other items. Although attendance was low, we realized \$ 374.00 for club revenues.

Thanks to the following for their time and efforts to make this happen: Ed VE4OAK, Alf VE4ALF, Bert VE4AND, Adam VE4SN, Ed VE4YU, Paul VE4AEY and Al VE4AEW.

Thanks to the efforts of Adam VE4SN and Bruce VE4GR, 3 CW class members passed the CW exam. Welcome aboard!

On Monday, 27 February, we were privileged to have a visitor to the club from Israel. David VE4DAR brought his friend, Serge, 4X1IM, who spent a few hours with us. Serge, originally from Ukraine and now living in Haifa, Israel, is a champion contester and Dxer, having won several world championships from 1986 to 2001. Serge is also a real builder of equipment and antenna arrays and has written a book that is available on the internet. It is in Russian but the pictures tell a great story. Thanks David and Serge.

WSCRC is looking for anyone that understands Satellite Communications well and could assist in some training at our club. Can U help? Contact Ed VE4YU at 694-0667 or ve4yu@shaw.ca.

The next General meeting of Winnipeg Senior Citizens Radio Club will be held at Garden City Canad Inn on Wednesday, 21 March at 10AM.

All are welcome and encouraged to attend. Come at 9AM for breakfast.

Don't be a stranger – drop in for coffee or to twiddle the dials upstairs at WSCRC, 598 St. Mary's Road.

There is DX out there – try 15 & 20M at about 2200 to 0000Z or 4PM – 6PM local. Good Hunting!

For now 73 and keep 'Hamming it Up!!

***Serge Safonov 4X1IM Visits VE4WSC
By David VE4DAR***

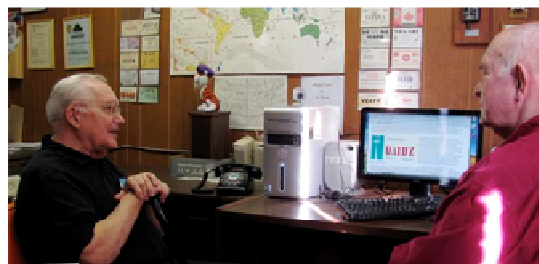
In Canada from Haifa, Israel, for the birth of their grandchild, Serge and Zena Safonov had time to get to know Winnipeg. On February 27, while their son Michael VE4DXX was at work, and Zena kept "waiting" Masha company, Serge and I visited the Winnipeg Senior Citizens Radio Club.

President Ed Oaks VE4OAK warmly welcomed Serge 4X1IM, a very accomplished contester as his QSL card notes. Then Adam VE4SN took Serge on a tour of the clubrooms. As they viewed older equipment in the museum, Serge told how he had built all of the equipment for his own station. When he wanted to express himself more fully, Serge, who was born in the Ukraine, slipped into Ukrainian with Adam.



When fellow contester Ed VE4YU arrived, the trio really got going, reminiscing and comparing notes. Our experience was enhanced when Serge shared the pictures from his book on the Internet. Unfortunately, none of us could read the Russian.

On the drive home Serge told me he was impressed with VE4WSC and the Seniors were fortunate to have such a place. Later I learned that Masha and her husband Michael VE4DXX were still waiting! We wish all the Safonov's well.



Contest Calendar

Extracted From

<http://www.hornucopia.com/contestcal/>

For March ...

RSGB 80m Club Championship, Data	2000Z-2130Z, Mar 5 to 2300Z, Mar 8 and 2300Z, Mar 10 to 2300Z, Mar 11
ARS Spartan Sprint	0200Z-0400Z, Mar 6
AGCW YL-CW Party	1900Z-2100Z, Mar 6
QRP Fox Hunt	0200Z-0330Z, Mar 7
AWA John Rollins Memorial DX Contest	2300Z, Mar 7 to 2300Z, Mar 8 and 2300Z, Mar 10 to 2300Z, Mar 11
QRP Fox Hunt	0200Z-0330Z, Mar 9
RSGB Commonwealth Contest	1000Z, Mar 10 to 1000Z, Mar 11
AGCW QRP Contest	1400Z-2000Z, Mar 10
QRP ARCI HF Grid Square Sprint	1500Z-1800Z, Mar 10
EA PSK63 Contest	1600Z, Mar 10 to 1600Z, Mar 11
Idaho QSO Party	1900Z, Mar 10 to 1900Z, Mar 11
North American Sprint, RTTY	0000Z-0400Z, Mar 11
SKCC Weekend Sprint	0000Z-2400Z, Mar 11
UBA Spring Contest, CW	0700Z-1100Z, Mar 11
NSARA Contest, SSB	1100Z-1500Z, Mar 11 and 1700Z-2100Z, Mar 11
Wisconsin QSO Party	1800Z, Mar 11 to 0100Z, Mar 12
NAQCC-EU Monthly Sprint	1800Z-2000Z, Mar 12
QRP Fox Hunt	0100Z-0230Z, Mar 14
CWops Mini-CWT Test	1300Z-1400Z, Mar 14 and 1900Z-2000Z, Mar 14 and 0300Z-0400Z, Mar 15
RSGB 80m Club Championship, CW	2000Z-2130Z, Mar 14
QRP Fox Hunt	0100Z-0230Z, Mar 16
10-10 Int. Mobile Contest	0001Z-2359Z, Mar 17
BARTG HF RTTY Contest	0200Z, Mar 17 to 0200Z, Mar 19
SARL VHF/UHF Analogue/Digital Contest	1000Z, Mar 17 to 1000Z, Mar 18
Russian DX Contest	1200Z, Mar 17 to 1200Z, Mar 18
Oklahoma QSO Party	1300Z, Mar 17 to 0100Z, Mar 18 and 1300Z-1900Z, Mar 18
Virginia QSO Party	1400Z, Mar 17 to 0200Z, Mar 18 and 1200Z-2400Z, Mar 18
AGCW VHF/UHF Contest	1400Z-1659Z, Mar 17 (144) and 1700Z-1759Z, Mar 17 (432)
Feld Hell Sprint	1600-1800 local, Mar 17

North Dakota QSO Party	1800Z, Mar 17 to 1800Z, Mar 18
UBA Spring Contest, 6m	0700Z-1100Z, Mar 18
Run for the Bacon QRP Contest	0100Z-0300Z, Mar 19
Bucharest Contest	1800Z-2059Z, Mar 19
CLARA HF Contest	1700Z, Mar 20 to 1700Z, Mar 21 and 1700Z, Mar 24 to 1700Z, Mar 25
QRP Fox Hunt	0100Z-0230Z, Mar 21
NAQCC Straight Key/Bug Sprint	0030Z-0230Z, Mar 22
RSGB 80m Club Championship, SSB	2000Z-2130Z, Mar 22
QRP Fox Hunt	0100Z-0230Z, Mar 23
CQ WW WPX Contest, SSB	0000Z, Mar 24 to 2359Z, Mar 25
UBA Spring Contest, 2m	0600Z-1000Z, Mar 25
NSARA Contest, CW	1100Z-1500Z, Mar 25 and 1700Z-2100Z, Mar 25
QRP Homebrewer Sprint	0000Z-0400Z, Mar 26
SKCC Sprint	0000Z-0200Z, Mar 28
CWops Mini-CWT Test	1300Z-1400Z, Mar 28 and 1900Z-2000Z, Mar 28 and 0300Z-0400Z, Mar 29
QRP Fox Hunt	0100Z-0230Z, Mar 30
Missouri QSO Party	1800Z, Mar 31 to 0500Z, Apr 1 and 1800Z-2359Z, Apr 1

For April ...

UBA Spring Contest, SSB	0600Z-1000Z, Apr 1
RSGB 80m Club Championship, CW	1900Z-2030Z, Apr 2
ARS Spartan Sprint	0100Z-0300Z, Apr 3
SARL 80m QSO Party	1700Z-2000Z, Apr 5

Good Luck In The Contest

Eyeball QSO at the Arches

Saturdays and sometimes Sundays

**McDonald's—St. James and Ellice
0745-0930 hours**

**Start your weekend right!
Get together with your fellow hams, talk tech, and
learn from others about the latest rigs.**

CAR TUNES

Radios are so much a part of the driving experience, it seems like cars have always had them. But they didn't. Here's the story:

SUNDOWN

One evening in 1929 two young men named William Lear and Elmer Wavering drove their girlfriends to a lookout point high above the Mississippi River town of Quincy, Illinois, to watch the sunset. It was a romantic night to be sure, but one of the women observed that it would be even nicer if they could listen to music in the car.

Lear and Wavering liked the idea. Both men had tinkered with radios – Lear had served as a radio operator in the U. S. Navy during World War I – and it wasn't long before they were taking apart a home radio and trying to get it to work in a car. But it wasn't as easy as it sounds: automobiles have ignition switches, generators, spark plugs, and other electrical equipment that generate noisy static interference, making it nearly impossible to listen to the radio when the engine was running.

SIGNING ON..

One by one, Lear and Wavering identified and eliminated each source of electrical interference. When they finally got their radio to work, they took it to a radio convention in Chicago . There they met Paul Galvin, owner of Galvin Manufacturing Corporation. He made a product called a “battery eliminator” a device that allowed battery-powered radios to run on household AC current.

But as more homes were wired for electricity, more radio manufacturers made AC-powered radios. Galvin needed a new product to manufacture. When he met Lear and Wavering at the radio convention, he found it. He believed that mass-produced, affordable car radios had the potential to become a huge business.

Lear and Wavering set up shop in Galvin's factory, and when they perfected their first radio, they installed it in his Studebaker. Then Galvin went to a local banker to apply for a loan. Thinking it might sweeten the deal, he had his men install a radio in the banker's Packard. Good idea, but it didn't work – half an hour after the installation, the banker's Packard caught on fire. (They didn't get the loan.) Galvin didn't give up. He drove his Studebaker nearly 800 miles to Atlantic City to show off the radio at the 1930 Radio Manufacturers Association convention. Too broke to afford a booth, he parked the car outside the convention hall and cranked up the radio so that passing conventioners could hear it. That idea worked – he got enough orders to put the radio into production.

WHAT'S IN A NAME?..

That first production model was called the 5T71. Galvin decided he needed to come up with something a little catchier. In those days many companies in the phonograph and radio businesses used the suffix “ola” for their names – Radiola, Columbiola, and Victrola were three of the biggest. Galvin decided to do the same thing, and since his radio was intended for use in a motor vehicle, he decided to call it the Motorola.

But even with the name change, the radio still had problems:

When Motorola went on sale in 1930, it cost about \$110 uninstalled, at a time when you could buy a brand-new car for \$650, and the country was sliding into the Great Depression. (By that measure, a radio for a new car would cost about \$3,000 today.) In 1930 it took two men several days to put in a car radio – the dashboard had to be taken apart so that the receiver and a single speaker could be installed, and the ceiling had to be cut open to install the antenna. These early radios ran on their own batteries, not on the car battery, so holes had to be cut into the floorboard to accommodate them. The installation manual had eight complete diagrams and 28 pages of instructions.

HIT THE ROAD..

Selling complicated car radios that cost 20 percent of the price of a brand-new car wouldn't have been easy in the best of times, let alone during the Great Depression – Galvin lost money in 1930 and struggled for a couple of years after that. But things picked up in 1933 when Ford began offering Motorola's pre-installed at the factory. In 1934 they got another boost when Galvin struck a deal with B. F. Goodrich tire company to sell and install them in its chain of tire stores. By then the price of the radio, installation included, had dropped to \$55. The Motorola car radio was off and running. (The name of the company would be officially changed from Galvin Manufacturing to “Motorola” in 1947.) In the meantime, Galvin continued to develop new uses for car radios. In 1936, the same year that it introduced push-button tuning, it also introduced the Motorola Police Cruiser, a standard car radio that was factory preset to a single frequency to pick up police broadcasts. In 1940 he developed with the first handheld two-way radio – the Handie-Talkie – for the U. S. Army.

A lot of the communications technologies that we take for granted today were born in Motorola labs in the years that followed World War II. In 1947 they came out with the first television to sell under \$200. In 1956 the company introduced the world's first pager; in 1969 it supplied the radio and television equipment that was used to televise Neil Armstrong's first steps on the Moon. In 1973 it invented the world's first handheld cellular phone.

Continued.....

Today Motorola is the second-largest cell phone manufacturer in the world. And it all started with the car radio.

WHATEVER HAPPENED TO...?

The two men who installed the first radio in Paul Galvin's car, Elmer Wavering and William Lear, ended up taking very different paths in life.

Wavering stayed with Motorola. In the 1950's he helped change the automobile experience again when he developed the first automotive alternator, replacing inefficient and unreliable generators. The invention led to such luxuries as power windows, power seats, and, eventually, air-conditioning.

Lear also continued inventing. He holds more than 150 patents. Remember eight-track tape players? Lear invented that. But what he's really famous for are his contributions to the field of aviation. He invented radio direction finders for planes, aided in the invention of the autopilot, designed the first fully automatic aircraft landing system, and in 1963 introduced his most famous invention of all, the Lear Jet, the world's first mass-produced, affordable business jet

(Not bad for a guy who dropped out of school after the eighth grade!)



RAC Bulletin 2012-015E - Earle Smith, VE6NM - SK 2012-02-25

It is with regret that Radio Amateurs of Canada has learned that Earle Smith, VE6NM, a RAC past President, passed away peacefully after an illness on Friday, February 24th.

Earle had served as President of RAC from late 2004 to the end of 2007 and was well respected by amateur radio operators both within Canada and Internationally.

He was a gentleman and friend to all hams and a strong advocate for amateur radio and for the Radio Ama-

teurs of Canada. All who knew Earle respected him as a leader, a friend and a force for good in the amateur radio community. We will miss him.

The amateur community can post condolences which will be forwarded to the family at <http://earlesmith.rac.ca>.

Geoff Bawden, VE4BAW
President and Chairman of Radio Amateurs of Canada

Consider Joining RAC Today

<https://www.rac.ca/store/membership-form-e.htm>

*From Your Midwest Director
Derek Hay, VE4HAY*

Deputy Director

Finally someone has stepped forward. Please welcome Allan Grant VA4AJG as the deputy Director for the Midwest region.

Possible new Band for Amateurs

On the afternoon of Tuesday, February 7 (Geneva time), Committee 4 of the 2012 World Radiocommunication Conference (WRC-12) approved Option 1 to satisfy Agenda Item 1.23, with minor editorial amendments to the text received from Working Group 4C.

Option 1 calls for a worldwide secondary allocation to the Amateur Service at 472-479 kHz, with a power limit of 1 W EIRP, with a provision for administrations to permit up to 5 W EIRP for stations located more than 800 km from certain countries that wish to protect their aeronautical radionavigation service (non-directional beacons) from any possible interference. All of the above only give the possibility.

Amateur Radio operators in Canada still need to apply to Industry Canada for the allocation. Radio Amateurs of Canada will be doing just that once everything passes in Geneva. Stay tuned, it will still be a long process.

What have you done to "promote amateur radio this week"

That line we credit to an old News stalwart, Peter Parker with using in his old VK1 and VK3 casts many years ago and it still stands true -WIA

Follow us on Facebook at ..

Winnipeg Amateur Radio Club - VE4BB

Follow us on Twitter at ..

@VE4BBWARC

VE4SLK Repeater -

Ed, VE4EDE, would like to announce that the Selkirk VE4SLK repeater is back on the air.

You will need to have your radio programmed with the Manitoba standard tone of 127.3 to access the machine. It also has a CTCSS output of 127.3.

VE4SLK is also now capable of passing P25 digital traffic. So if you are monitoring without the CTCSS enabled you will hear the digital signal, but won't hear any audio on a FM.

There is no hang time (squellch tail) which is needed for P25 and the future installation of an IRLP node.

For information on P25 contact Peter, VE4STK, 757-9027

At the moment it is a stand-alone repeater located on the hydro plant in Selkirk with UHF 444.150+ waiting to be installed.

Listen for Ed on Monday nights when he will be hosting an informal net on 146.730-

Cadet Course 1 Half Done By David, VE4DAR

Half the lessons of the 12-hour Introduction to Amateur Radio Course for Army Cadets have been taught.

Ten Cadets are still enrolled; one coming in from the Morris area!

The final quiz will be given on April 1st. Successful Cadets will receive a Certificate of Completion from the Winnipeg Amateur Radio Club.

Good luck Cadets!

VHF Nets

MRS Nets - 147.390 Mhz +

Sundays & Thursdays at 9:00 pm

This net covers Winnipeg and the MRS linked repeater system, and includes various announcements on amateur radio activities, plus Dick's "Swap and Shop"

**Seniors Morning Net 147.390 Mhz+
Weekdays at 9:00 am**

This net covers Winnipeg and hams of all ages are welcome to join in this net which is always a lot of fun!

**IRLP (Internet Radio Linking Project)
Net - 145.450 Mhz - Node # 1066
Wednesdays at 7:00 pm**

This net connects you with the world using your VHF rig and using the internet as the backbone!

D-Star Nets ...New to Winnipeg on VE4WDR

UHF 444.575+ DV Port B and/or

VHF 145.490- DV Port C

TransCanada D-Star Net - Fridays at 8:00 pm

On "Free Star" Reflector 21 (XRF021BO)

Ham Nation D-Star Net - Tuesdays at 9:15 pm

On "DPlus" Reflector 14 (REF014CL)

Six Meter Net - 50.238 Mhz

Wednesdays at 9:00 pm

HF Nets

MB Evening Phone Net - 3747 Khz

Daily at 7:00 PM CT

Prairie Traffic Net (CW) 3660 Khz

Daily at 01:30 UTC

Aurora # 2 Net 7055 Khz

Daily at 02:30 UTC

MB Wx Net 3743 Khz

Daily at 8:30 AMC

ARES Manitoba Monthly Readiness Net

4TH Sunday of each month

4:00 PM to 4:20 PM -7,075 Khz

4:00 PM to 4:15 PM -3,675 Khz LSB

Also.. VE4WRS IRLP, VE4ARC/TEU, Inter-lake, VE4FFR Flin Flon, IRLP Reflector 9003 to Flin Flon/Swan River/Pinawa, VE4SIX/DARC repeater, VE4TPN/VHF Thompson.

The Newscaster is the Official Publication of **Winnipeg Amateur Radio Club**

Please send your submissions/comments to the editor Mark VE4MAB, - newscaster@WinnipegARC.org