



The **NEWSCASTER**

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

February 2017

Facebook [Winnipeg Amateur Radio Club - VE4BB](#) Twitter [@ve4bbwarc](#)

VE4BB

Manitoba QSO Party Discussion

Date: Monday, February 13, 2017

Time: 7:30 PM

Place: Dakota Collegiate - Cafeteria *See You There*
661 Dakota Street (At Beliveau Road)

Other Important Dates:

Newscaster: Deadline March 1, 2017

WARC: Monthly Meeting Dates
March 13, 2017
April 10, 2017

WSC: 2nd Thursday of the month
Breakfast - Garden City Inn

ARES: Tuesday, February 21, 2017
Sir Wm Stephenson Library
765 Keewatin Street - Presentation will
be a review of Klondike Derby by
Richard Kazuk VE4KAZ.

Other: Home Brew Night - April 10, 2017
Spring Flea Market
Sunday, April 23, 2017

WARC Executive for 2016-2017...

President	Peter Toth	ve4tth@gmail.com
Vice-Pres.	John Romanec	ve4vjr@gmail.com
Treasurer	David Latour	ve4dla@gmail.com
Secretary	Gerry Sherman	ve4gks@outlook.com
Membership	Jessy Blanchette	ve4jbb@gmail.com
Programs	Your Executive	
Director	Gary Goodman	va4rwt@shaw.ca
Director	David Freemantle	
Past President	David Latour	ve4dla@gmail.com
Public Information Officer....		
	Kurt Sargent	kurtsargent@gmail.com

Fallen from the President's Desk ...-

Winter Blues got you down?

It's no secret that at this time of the year, people get a little cabin fever. It comes from a lack of sunlight, cold temperatures, and a limited amount of things to do for many people. Now if you ice fish, ski, snowmobile, and engage in the dozens of winter activities that many people do, you may not feel so blue. You may LOOK blue from the cold, but your spirits will be high. But for those that can't or choose not to play in the ice and snow, the winter can be a bit of a downer.

I have the PERFECT cure ladies and gentlemen!

Nothing can beat back those winter blues, and raise your spirits, quite like the smell of smoke and solder can! I have 2 kits remaining for the builders club, for anyone who wishes to raise their spirits and create something useful to boot!

Let's face it, we hams come in all sizes and shapes, not everyone is an electronics whiz. Which is why building stuff with other hams, some who are very experienced, and others who may be a little less experienced, just make sense.

This time we are building that "transistor tester" that I detailed previously, but I am including in it a project that will help take the mystery and fear out of SMD technology (Surface Mounted Devices). Those tiny little bits of mystery, that every cell phone and computer is just filled with! The second kit isn't so much a kit, as a practice and learning tool. Sure it will light up and blink like the dickens once powered up. But it has in it a lot of components included that are there merely for practice and have no function at all. I will provide the specialty soldering tools that uses hot air (hot enough to light wood on fire!), and conventional soldering tools that are used in a new way. I have magnifying glasses, which is a must for this kind of work, but bring reading glasses as well. I will also bring a microscope I have, that is specially designed for working on SMD devices.

You do need a somewhat steady hand for this kind of work, but considering the item you are working on will only cost \$5.00 in total, if you make a mess, it won't be

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

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a great loss, and you will have learned a lot in the process.

So if you are interested, send me an email, and we will set it up. Remember I have only two "kits" left, but in interest suddenly surges, I can always order more!

In closing, I just want to make sure everyone know that the next meeting on February 13th will be the same time, except we will be in the Cafeteria downstairs instead of the theatre.

See you all there!

73

Peter Toth
VE4TTH

WARC Meeting Minutes
Taken by Gerry VE4GKS
Monday, January 9, 2017

Called to order 01:30

Roll call as usual

Minutes from December approved.

Discussion on tower course

Finance –

\$590 December income, \$12246 bank balance, \$7746 working capital

Membership -

Try & reach past members

Jeff gave ARES report –

Looking for Klondike Derby volunteers

RAC -

Peter is assistant RAC director for prairie region.

Discussion on Winter Field Day –

May rent an ice fishing shack.

IC 7300 is on the way.

February meeting will be a different location or date.

Following the break –

A presentation by MRS.

Winnipeg ARES
Jeff Dovyak VE4MBQ
ve4mbq@rac.ca

Our January General Meeting featured a presentation on Call-Outs and Equipment with a discussion that resulted in some homework for the EC.

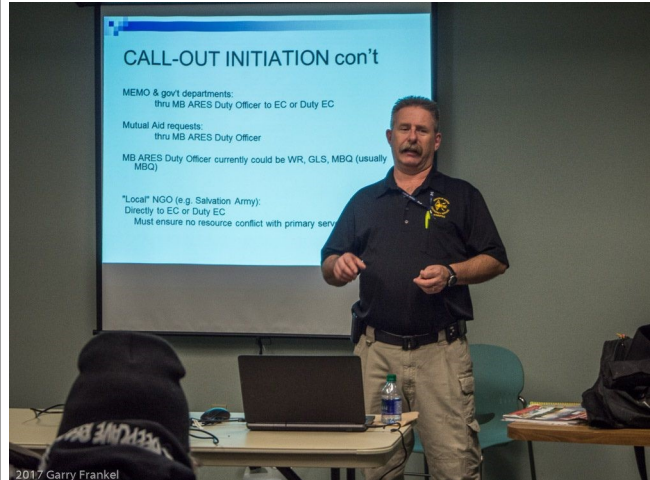


Photo Credit Garry Frankel VE4VD

Welcome our newest Winnipeg ARES member
Brendan Christianson VA4RAD!

We are still recruiting volunteer operators for the 2017 Scouts Canada Klondike Derby 04, 05 MAR at Camp Amisk, off Waverly just south of the Perimeter Hwy. Outdoor duty, approximately 0830-1600h both days, all-weather event. If interested in volunteering please advise VE4MBQ asap.

Our next General Meeting will be TUE 21 FEB 1900h Sir Wm Stephenson Library 765 Keewatin Street. Presentation will be a review of Klondike Derby by Richard Kazuk VE4KAZ.

Amateur Radios, Antennas, and more ...

Winnipeg ICOM Dealer...

Micro-HighTech Communications Ltd.

2223 Henderson Hwy, East St. Paul, MB
(Just south of perimeter hwy)

Ph. (204)-783-1885 Fax (204) 779-7522
Contact George Hill, VE4GDH

Visit their web site..

<http://www.microhightech.ca/>

Spotlight On: Paul Arsenault VE4AEY ***By David VE4DAR***

At the Seniors Picnic in September, Paul Arsenault VE4AEY told me it was while working at the airport in Armstrong, Ontario that a friend got Paul interested in Amateur Radio. He encouraged Paul to study on his own to get his ticket. "It was tough then (1966). You had to draw and explain circuit diagrams from memory."



Paul's friend's station consisted of a Heathkit DX100 transmitter and a NCX3 receiver. Paul bought the station for \$100. "It took up half the kitchen table!"

Paul's most memorable contact was with the Queen Mary on her last voyage before retirement. "I have a certificate showing the exact location during the contact."

What have you got out of amateur radio over the years? "A lot of foreign friends from more than 20 countries. I met some of them in the USA, while down there during the winter months. I made lots of friends through many contacts."

Nostalgia Radio ***CJNU 93.7***

CJNU 93.7 FM is where you'll hear the very best easy listening music that has been popular over the past eight decade!

<http://www.cjnu.ca>

What part of ham radio interested you most? "CW because it was the hardest to communicate with. After working evening shift, I would come home and work CW to the early morning hours."

Paul enjoyed doing public service. While in Armstrong, Ontario, he passed messages related to a fire at Sioux Lookout. More recently Paul served as the ARES representative for Manitoba's Interlake.

Advice to new hams: "Don't get discouraged. If you don't pass the exam the first time, keep trying."

Future for amateur radio? "It's dying out. It will keep going, but with not as many on the air on HF."

Thanks for this, Paul.

WARC's Basic Short Course 13

Information to pass on to your family and friends!

The Winnipeg Amateur Radio Club's upgraded Basic Short Course is now open to applications on a first come, first served basis. Tuition of \$75 covers two study books and all instruction.

Running five Saturdays
9:00 am to 4:00 pm

February 25, March 4, 11, 18 and 25, 2017

At Shaftsbury High School
2240 Grant Avenue
Winnipeg, Manitoba

Send those interested to....

http://winnipegarc.org/basic_course.html

Manitoba Marathon ***Jeff Dovyak VE4MBQ*** ***ve4mbq@rac.ca***

Thanks to Mark VE4MAB and the guys from the MSMM group including Dan VE4DRK and Wyatt VE4WDZ the on-line volunteer registration form for the 2017 Manitoba Marathon is now live on the WARC web-site:

http://www.winnipegarc.org/marathon_with_form.html

We will partner Amateurs new to the event with Amateurs who have worked the Marathon previously.

The 2017 Amateur Radio Group Volunteer Briefing is TUE 13 JUNE 1900h Crescentwood CC 1170 Corydon Avenue (Map 24 D2 in the Sherlock Map Book).

Contest Calendar

Extracted From

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

For February ...

RSGB 80m Club Championship, SSB

2000Z-2130Z, Feb 6
 ARS Spartan Sprint 0200Z-0400Z, Feb 7
 QRP Fox Hunt 0200Z-0330Z, Feb 8
 Phone Fray 0230Z-0300Z, Feb 8
 CWops Mini-CWT Test 1300Z-1400Z, Feb 8

and 1900Z-2000Z, Feb 8
 and 0300Z-0400Z, Feb 9

NCCC RTTY Sprint 0145Z-0215Z, Feb 10
 QRP Fox Hunt 0200Z-0330Z, Feb 10
 NCCC Sprint Ladder 0230Z-0300Z, Feb 10
 CQ WW RTTY WPX Contest 0000Z, Feb 11

to 2359Z, Feb 12

SARL Field Day Contest 1000Z, Feb 11
 to 1000Z, Feb 12

Asia-Pacific Spring Sprint, CW 1100Z-1300Z, Feb 11
 Dutch PACC Contest 1200Z, Feb 11

to 1200Z, Feb 12

KCJ Topband Contest 1200Z, Feb 11
 to 1200Z, Feb 12

SKCC Weekend Sprintathon 1200Z, Feb 11
 to 2400Z, Feb 12

OMISS QSO Party 1500Z, Feb 11 to 1500Z, Feb 12
 New Hampshire QSO Party 1600Z, Feb 11

to 2200Z, Feb 12

FISTS Winter Unlimited Sprint 1700Z-2100Z, Feb 11
 AWA Amplitude Modulation QSO Party

2300Z, Feb 11 to 2300Z, Feb 12

Balkan HF Contest 1200Z-1800Z, Feb 12

CQC Winter QSO Party 0100Z-0259Z, Feb 13

ARRL School Club Roundup 1300Z, Feb 13
 to 2359Z, Feb 17

PODXS 070 Club Valentine Sprint 0000Z-2359Z, Feb 14

QRP Fox Hunt 0200Z-0330Z, Feb 15

Phone Fray 0230Z-0300Z, Feb 15

CWops Mini-CWT Test 1300Z-1400Z, Feb 15

and 1900Z-2000Z, Feb 15

and 0300Z-0400Z, Feb 16

AGCW Semi-Automatic Key Evening 1900Z-2030Z, Feb 15

RSGB 80m Club Championship, Data 2000Z-2130Z, Feb 15

NCCC RTTY Sprint 0145Z-0215Z, Feb 17

QRP Fox Hunt 0200Z-0330Z, Feb 17

NCCC Sprint Ladder 0230Z-0300Z, Feb 17

ARRL Inter. DX Contest, CW 0000Z, Feb 18
 to 2400Z, Feb 19

Novice Rig Roundup 0000Z, Feb 18
 to 2400Z, Feb 26

SARL Youth Day Sprint 0800Z-1000Z, Feb 18

Russian PSK WW Contest 1200Z, Feb 18

to 1159Z, Feb 19

Feld Hell Sprint 1900Z-2059Z, Feb 18

Run for the Bacon QRP Contest 0200Z-0400Z, Feb 20

SKCC Sprint 0000Z-0200Z, Feb 22

NAQCC CW Sprint 0130Z-0330Z, Feb 22

QRP Fox Hunt 0200Z-0330Z, Feb 22
 Phone Fray 0230Z-0300Z, Feb 22
 CWops Mini-CWT Test 1300Z-1400Z, Feb 22

and 1900Z-2000Z, Feb 22

and 0300Z-0400Z, Feb 23

UKEICC 80m Contest 2000Z-2100Z, Feb 22

RSGB 80m Club Championship, CW 2000Z-2130Z, Feb 23

NCCC RTTY Sprint 0145Z-0215Z, Feb 24

QRP Fox Hunt 0200Z-0330Z, Feb 24

NCCC Sprint Ladder 0230Z-0300Z, Feb 24

CQ 160-Meter Contest, SSB 2200Z, Feb 24

to 2200Z, Feb 26

REF Contest, SSB 0600Z, Feb 25

to 1800Z, Feb 26

UBA DX Contest, CW 1300Z, Feb 25 to 1300Z, Feb 26

South Carolina QSO Party 1500Z, Feb 25

to 0159Z, Feb 26

North American QSO Party, RTTY 1800Z, Feb 25

to 0559Z, Feb 26

High Speed Club CW Contest 0900Z-1100Z, Feb 26

and 1500Z-1700Z, Feb 26

SARL Digital Contest 1300Z-1600Z, Feb 26

North Carolina QSO Party 1500Z, Feb 26

to 0059Z, Feb 27

Into March....

QRP Fox Hunt 0200Z-0330Z, Mar 1

Phone Fray 0230Z-0300Z, Mar 1

CWops Mini-CWT Test 1300Z-1400Z, Mar 1

and 1900Z-2000Z, Mar 1

and 0300Z-0400Z, Mar 2

UKEICC 80m Contest 2000Z-2100Z, Mar 1

NRAU 10m Activity Contest 1800Z-1900Z, Mar 2 (CW)

and 1900Z-2000Z, Mar 2 (SSB)

and 2000Z-2100Z, Mar 2 (FM)

and 2100Z-2200Z, Mar 2 (Dig)

NCCC RTTY Sprint 0145Z-0215Z, Mar 3

QRP Fox Hunt 0200Z-0330Z, Mar 3

NCCC Sprint 0230Z-0300Z, Mar 3

ARRL Inter. DX Contest, SSB 0000Z, Mar 4

to 2400Z, Mar 5

Wake-Up! QRP Sprint 0600Z-0629Z, Mar 4

and 0630Z-0659Z, Mar 4

and 0700Z-0729Z, Mar 4

and 0730Z-0800Z, Mar 4

Open Ukraine RTTY Championship

1800Z-2059Z, Mar 4 (Low Band)

and 2100Z-2359Z, Mar 4 (Low Band)

and 0800Z-1059Z, Mar 5 (High Band)

and 1100Z-1359Z, Mar 5 (High Band)

UBA Spring Contest, CW 0700Z-1100Z, Mar 5

DARC 10-Meter Digital Contest 1100Z-1700Z, Mar 5

SARL Hamnet 40m Simulated Emerg Contest

1200Z-1400Z, Mar 5

NSARA Contest 1200Z-1600Z, Mar 5

and 1800Z-2200Z, Mar 5

RSGB 80m Club Championship, Data 2000Z-2130Z, Mar 6

ARS Spartan Sprint 0200Z-0400Z, Mar 7

AGCW YL-CW Party 1900Z-2100Z, Mar 7

Good Luck In The Contest



Are you a
RAC member??

<http://www.rac.ca>

*From your Radio Amateurs of Canada
Midwest Region Director*

CHANGES:

Derek Hay (VE4HAY) has completed his six year term as your MidWest Director as of the end of 2016.

You may have heard that I have taken over from him. Some of you may recall that I previously served as Director from 2002 until the end of 2008.

Because this area is so large, it is virtually impossible for me to visit the various clubs to properly represent RAC, so Four MidWest Amateurs have agreed to serve as Assistant Directors:

1. Joe Musgrave (VE5JM) in Lloydminster
2. Dave Scarfe (VE5UO) in Saskatoon
3. Doug Pfaff (VE5DCP) in Regina
4. Peter Toth (VE4TTH) in Selkirk

These four gentlemen will serve as RAC representatives on a local basis.

NEWS FROM RAC:

You may know that the RAC Board of Directors, along with the RAC Executive members, meet, in an on-line conference call, every two months to deal with current issues that affect Canadian Amateurs. The last meeting was held on the 26th of January and some issues arose which might be of general interest:

- Multi-year RAC memberships are once again possible, for up to three years. To sign up, it is necessary to telephone or write to the RAC office as it is not yet on the WEBSITE.
- A call sign study is being undertaken as both Ontario and BC are running out of available 2x2 call signs. Recommendations will be made to Innovation, Science and Economic Development Canada (ISEC). We used to call them Industry Canada – this is their new name.
- As you know, Canada is celebrating 150 years as a country this year and Amateurs may use the

special prefixes to draw attention to the occasion and generally confuse the rest of the world

VE4 may use CG4, VE5 may use CG5
VA4 may use CF4, VA4 may use CF5

If you use the special call signs, be prepared for QSL card requests, of course.

- Are you aware of RAC's Scholarship Fund? RAC may award a \$500 scholarship to students of science, technology, engineering or mathematics programs who are also Amateur Radio operators. If you know someone who qualifies, suggest that they apply.

Midwest Region Director

Bjarne (Bj.) Madsen – VE5FX
PO Box 2860
Tisdale, SK S0E 1T0
Phone: 306-873-4346
Fax: 306-873-5536
Email: ve5fx@rac.ca

Assistant Director

Peter Toth – VE4TTH
Lockport, MB
ve4tth@gmail.com



The Manitoba Repeater Society operates and maintains a linked repeater system across southern Manitoba, including Winnipeg.

If you are a user of any of these repeaters, we urge you to support the group by becoming a member.

VE4MAN - Starbuck, VE4CDN - Morris,
VE4PLP - Portage, VE4MRS - Bruxelles,
VE4GIM - Gimli, VE4MIL - Milner Ridge
VE4EMB - Hadashville, VE4FAL - Falcon Lake,
VE4WPG - Winnipeg, VE4VJ - Winnipeg, VE4WRS
- Autopatch & IRLP link Winnipeg

Links to repeaters in Ontario, Brandon, Selkirk and soon to be the Dauphin & area.

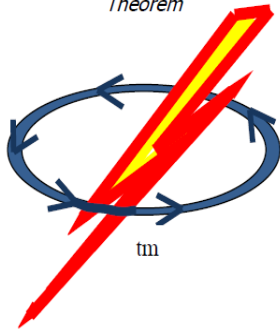
info@mb-repeater-society.ca
<http://www.mb-repeater-society.ca/>
<http://www.facebook.com/ManitobaRepeaterSociety>

THE POYNTING VECTOR ANTENNA

By TED HART AND PAUL BIRKE

THE POYNTING VECTOR ANTENNA™

*A New Antenna Concept Based on the Poynting Vector
Theorem*



Ted Hart BSEE, PEng Inventor
W5QJR

Paul V Birke BASc MEng PEng
VE3PVB

First Edition 2016

© 2016 by Ted Hart and Paul V Birke

Two Engineers, Ted Hart from Georgia in the USA and Paul Birke from Ontario, Canada have teamed up to write this book. With over 100 years of combined antenna and electrical engineering experience, they have applied the Poynting Vector Theorem of 1884 to fabricate a new antenna technology. The result is the Poynting Vector Antenna that has a much smaller footprint, only a small fraction of the size of an equivalent Hertz Antenna. The wide frequency tuning range, high efficiency, and large instantaneous bandwidth place this antenna in a unique category all alone.

The book gives theoretical explanations and practical examples which underpin the engineering basis of this new and unique antenna, which is a radical departure from the conventional Hertz antenna. The evolution of this antenna concept is presented as well as simple examples that may be readily copied, and finally what the Authors believe to be the ultimate physical configuration in the shape of a Flute.

The theoretical explanation of Radiation Resistance and other new Physics concepts are presented. This includes suggested changes to Maxwell's equations.

Radio Amateurs will enjoy versions of this antenna as

well as the Military and other communication services from AM Broadcast frequencies through VHF. Military and commercial versions may be obtained via communication to Ted Hart, the owner of the associated patents.

"I now feel that the most consistent application of the Maxwellian spirit is to define "radiation" to be the flow of energy described by the Poynting Vector."

Professor Kirk T. McDonald
Joseph Henry Laboratories, Princeton University
August 7, 2012

HIGHLIGHTS OF WHAT IS IN THE BOOK:

The first five chapters provide both technical and historical background. Then, Chapter 6 details the antenna suggested for Hams to copy. The detailed example is for 40 meters. It includes three alternate feed networks and associated performance parameters to allow the reader a choice. This 40 meter design can be scaled for any Ham band from 160 thru 2 meters. There is a 160 meter antenna design detailed also in Chapter 6. For alternative designs the full range (6 – 160 meters) of Flat Antennas (Guillotine) are detailed in Chapter 15. Another alternative design is given in Chapter 16. Chapter 17 covers a new concept antenna developed while writing the book. Chapter 18 details the Flute™ design, the ultimate performance antenna. This antenna could be difficult for Hams to copy for the relatively small performance enhancement over the Chapter 6 design. The major enhancement is bandwidth.

The book does go into great detail to fully explain the theory behind the antenna as well as the outstanding performance parameters. Comparison to a conventional Hertz antenna illustrates why this antenna is the antenna of choice except for directional beam antennas. The book and the subject of Poynting Vector antennas would not be complete without the detailed theory. Any Ham can build and use one of the antennas; alternatively, the book provides information not previously available to the professional antenna designers. This includes the first ever theoretical explanation of how Radiation Resistance is developed in an antenna. It also blows away the long held concept that small antennas cannot be effective. Specifically the Chu-Wheeler concept is no longer valid. While doing research for the book Paul (the co-author) realized that Maxwell's Equations need revision to cover all cases, a change that has been need by the Physics community for more than 100 years. Ted and Paul tried to cover all the bases. For that reason it took four years of dedicated effort for them to develop the book.

*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

Manitoba Repeater Society memberships *expired* on Dec 31, 2016. Renew your MRS membership by visiting our website & using PayPal

<http://www.mbrepeatersociety.ca>
Membership Manitoba Repeater Society
C/O VE4WSC
598 St. Mary's Road

FOR IMMEDIATE RELEASE Manitoba Radio Amateurs Lead in Commemorating Vimy Centennial

Manitoba Radio Amateurs took to the airwaves to tell the world of Canada's victory at the Battle of Vimy Ridge. Starting on January 22 and for the next six days, seven operators told the Vimy story to more than 3200 Amateur Radio stations around the world.

VE100VIMY/VE4, the call sign used by the Manitoba operators, was issued specially for the occasion by Innovation, Science and Economic Development Canada. The call sign was issued to the Vimy Commemorative Station Society based in Richmond, BC. The Society was formed in 2012 and with the cooperation of the Amateur's national organization, Radio Amateurs of Canada, organized operations in all thirteen of Canada's Amateur Radio call sign areas. Each call sign area activates VE100VIMY for a week from January to March. The culmination of the Society's Vimy initiative will be round the clock operation from April 1 to 9, by an international group of Amateurs at the Battle site at Vimy, France. More information may be found on the Society's website at ve100vimy.ca.

Manitoba Radio Amateurs participating were: Rene Raimbault, VE4TV; Ed Richardson, VE4EAR; Dan Keizer, VE4DRK; Harm Hazeu, VE4HAZ; Lee Drory, VE4DXR; Rob Kaufmann, VE4GV; and Cary Rubenfeld, VE4EA. They talked with Amateurs on 6 continents, 48 provinces and states and 62 countries including Japan, Germany, Qatar and Argentina and more remote places like the Falkland Islands.



Ed Richardson VE4EAR talks to the world about the Battle of Vimy Ridge as VE100VIMY/VE4

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Canadians are celebrating Canada's sesquicentennial this year, 150 proud years as a nation. The Battle of Vimy Ridge is seen as an important step in the development of Canada's nationhood. Manitoba Radio Amateurs are justly proud leading in Canada's commemoration of the centennial of the Battle of Vimy Ridge. Lest we forget!

Contact:

Hugh McCully, VE3AYR
Publicity Director
Vimy Commemorative Station Society
941-342-0131/905-333-0826
ve3ayr@gmail.com
610 Barons Court
Burlington, ON L7R 4E4

Winnipeg Digital Repeater Group System Upgrades

You can dig your 1.2 Ghz D-Star radios out of moth balls! Thanks to donations from Ethann VE7KOJ and George VE4GHR we were able to obtain the module, duplexer, feedline and antenna to add the 1.2 Ghz Voice Module to the VE4WDR D-Star system at a frequency of 1285.0 with a -12 offset in DV mode.



Garth VE4GWB securing the antenna mounting brackets

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D-Star System Upgrades continued...

On November 27, 2016, with thanks to the VA4WAN HSMM project, we mounted our 1.2 Ghz voice antenna at the top of their tower to give separation from the 1.2 Ghz data antenna about 30 feet away. Can only go so far on a roof top Hi Hi.

Garth has been testing it while 18 wheel mobile and has good coverage through most of the city on either 1 or 10 watts with a good 1.2 Ghz mag mount. Trouble spots while mobile on the outskirts of the city in residential areas have cropped up. A base station from anywhere in the city with a antenna outside shouldn't have a problem.

For 1.2 Ghz it is important to use a well mounted mobile or base antenna with a good feel line. Even 10 feet of RG58 has over a 3 Db of loss. A mag mount is not recommended for permanent use, however, if using a mag mount use RG8 mini with teflon dielectric.

If anyone has questions about operating 1.2 contact Garth on air or at ve4gwb@gmail.com

The 1.2 Ghz Data module needs a connector replaced so will remain down until warmer weather when outside work can be completed.

Winnipeg Amateur Radio Club Spring Flea Market

Sunday, April 23, 2017, at
Heritage Victoria Community Centre
950 Sturgeon Rd, Winnipeg MB.

Doors open for coffee and EyeBall contacts at 9:30

Vendor Setup will begin at 9:45
Doors open for the flea market at 10:30
Prize Draws will be held at 11:30

For tables please contact Ruth VE4XYL at
ve4se.xyl@gmail.com or 204-837-6915
to book your table.

Table rental is \$5.00 for members,
\$10.00 for non-members.

WARC Call Sign & Name Badges

David VE4DLA has the following badges ready for you to pick up at the next WARC meeting....

VE4JEF, VE4TJW, VE4NAZ, VE4DVD, VA4AIV,
VE4RHW, VE4IO, VE4AFK, VE4XMN, VA4DRJ and
VA4RYN

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 and Dick's "Swap & Shop"

The 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!

Newbie Net 147.390 Mhz+ Saturdays at 10:00 am

This net is intended to give students and neophyte hams a chance to learn more about our hobby and to practice their on-air skills.

D-Star Nets on the VE4WDR System using

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)
HamNation D-Star Net Wednesday at 9:15pm
On "DPlus" Reflector 14 (REF014CL)
Ozark Mtn. D-Star Net - Sundays at 8:00 pm
On "DPlus" Reflector 1 (REF001CL)
More nets <http://www.dstarinfo.com/nets.aspx>

HF Nets

MB Evening Phone Net - 3747 Khz Daily at 7:00 PM Local Time (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 Local Time (CT)

ARES Manitoba Monthly Readiness Net

4TH Sunday of each month
4:00 PM - 4:10 PM -7,075 Khz
4:10 PM - 4:20PM -3,675 Khz LSB 5,375 USB
Manitoba IRLP Nodes - Use reflector 9003
Winnipeg VE4WSC (Node 1809) Pinawa VE4PIN
(Node 1981), Flin Flon VE5ROD (Node 1750),
DARC Swan River VE4SRR (Node 1700)

The Newscaster is the Official Publication of **Winnipeg Amateur Radio Club**
Please send your submissions/comments to the editor Mark VE4MAB, - ve4mab@outlook.com