



# The NEWSCASTER

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

April 2019

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

VE4BB

## Home Brew Night Show & Tell

Date: Tuesday, April 9, 2019

Time: 7:30 PM

Place: Royal Canadian Legion Branch 252  
426 Osborne Street, Winnipeg, MB  
(Across from the Winnipeg Transit garage)

### Other Important Dates:

Newscaster: Deadline May 2, 2019

WARC: Monthly Meeting Dates **2nd Tuesdays**  
May 14, 2019 - TBA  
June 11, 2019 - TBA & Elections  
September 10, 2019 - Welcome Back  
October 8, 2019 - AGM  
November 12, 2019 -  
December 10, 2019 -

ARES: Tuesday, April 23, 2018 (4th Tuesday)  
Sir Wm Stephenson Library  
765 Keewatin Street -  
Presentation TBA

Other: The WARC 2019 Centennial  
Conference and Hamfest  
Sunday, June 2, 2019  
<http://WARC100.ca> Preregister and save \$\$

Marathon Briefing - June 11, 2019  
Manitoba Marathon - June 16, 2019

Field Day - June 22 to June 23, 2019

### WARC Executive for 2018-2019...

President	Colin Mantay	<a href="mailto:ve4cem@rac.ca">ve4cem@rac.ca</a>
Vice-Pres.	John Romanec	<a href="mailto:ve4vjr@gmail.com">ve4vjr@gmail.com</a>
Treasurer	David Latour	<a href="mailto:ve4dla@gmail.com">ve4dla@gmail.com</a>
Secretary	Gerry Sherman	<a href="mailto:ve4gks@outlook.com">ve4gks@outlook.com</a>
Membership	Jessy Blanchette	<a href="mailto:ve4jbb@gmail.com">ve4jbb@gmail.com</a>
Programs	Roberto Urrea	<a href="mailto:va4.rul@gmail.com">va4.rul@gmail.com</a>
Education	Roberto Urrea	<a href="mailto:va4.rul@gmail.com">va4.rul@gmail.com</a>
Past President	Peter Toth	<a href="mailto:ve4tth@gmail.com">ve4tth@gmail.com</a>
Public Information Officer....	Vacant	

### Message From The President,

Spring has sprung! I think... While the grass is still partially covered in snow, I am very happy to report that there has been plenty of activity in the world of amateur radio!

Basic Short Course 17 has just wrapped up and David Rosner (VE4DAR) has written an excellent article below ("WSC Was Humming!") that includes the official numbers! From my perspective, it was once again a privilege to have had the opportunity to instruct a few of the chapters from the study guide!

It's always interesting to hear what projects newly certified amateurs plan on accomplishing with their certifications! There's always so many plans for stations and applications of amateur radio! What impresses me the most is a few students have already reached out looking for more opportunities to learn about radio as well as get opinions on how to go about completing their projects.

Speaking of projects! Work on the WARC Portable Antenna Tower has begun! We had purchased a used utility trailer, built on top of a boat trailer back in January. The trailer has been stripped back down to basics and is ready to be converted into a portable tower with generator and storage for all the gadgets we'll need to setup a station!



Continued...

### 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

2  
Hopefully within the next few weeks, we can "raid" the infamous WARC storage trailer and see what kinds of goodies we can find to install on our trailer and hopefully have available for next Field Day! I'm hoping that once the equipment has been moved to a more suitable location we can hold a "test and tune" day where we can gather, test out equipment and antennas and throw around some ideas to build "the ultimate" portable antenna system.

Ticket and table sales are well underway for the Hamfest and Conference. We've already had a few requests for TWO tables for one vendor which means there should be a fantastic selection of radio gear looking for its place in someone's station somewhere!

If you haven't already heard, tickets our massive Hamfest and Conference Raffle are now available! Limited to only 300 tickets at \$10 each, they're sure to go quickly especially given 1st prize is an IC-7300, 2nd prize is an IC-2730 and 3rd prize is \$200 from Radioworld! Many thanks to Radioworld and ICOM in helping support 100 years of amateur radio in Winnipeg!

Don't forget, April is HOME BREW MONTH! Even if your project isn't 100% finished, don't be shy and bring it to the next WARC meeting and show it off! I am very much looking forward to seeing who's working on what!

Sincerely,

Colin Mantay, VE4CEM  
President

### ***WARC Meeting Minutes***

***March 12, 2019***

***Taken by Gerry VE4GKS***

Meeting opened at 00:30

Introductions as usual

*Treasurer's Report* - February revenue \$903, expenses 205. PayPal balance \$1600, bank balance \$12029, working capital \$7379

*Membership Report* - 95 members.

We have our special 100th anniversary call.

*ARES Report* - VE4HK gave the ARES report.

*DX Report* - VE4TTH reports there is some DX, although signals are weak.

Work is proceeding on our centennial celebrations.

50/50 \$11.50 to VE4SE

The program was given by Rob Streimer on The Shaftesbury High Altitude Balloon flights.

## ***Celebrate WARC's 100th***

***WARC 2019 Centennial Conference  
and Hamfest - Sunday, June 2, 2019***

***Dakota Community Centre,  
1188 Dakota St., Winnipeg, MB***

***Flea market, commercial vendors, speakers,  
and more in planning stages!  
All the things your heart desires.  
Basic and Advanced exams.***

***Doors open for coffee at 0830 - Vendor setup at 0900  
Open to the public 1000-1400  
Speakers are being planned  
Exams at 1000-1200 only***

***Ham vendor tables are \$20 (Includes 1 admission).  
Admission is \$15 at the door (\$10 for Pre-Registration)  
Children 12 and under plus 18 and under with  
Student ID are FREE admission!  
Commercial Vendor Tables \$50***

***You can save \$\$ - Pre-register via PayPal at  
[WARC100.ca](http://WARC100.ca)***

***Contact Cary VE4EA [carys1@gmail.com](mailto:carys1@gmail.com)***

### ***Manitoba Marathon***

***Jeff Dovyak VE4MBQ  
[ve4mbq@rac.ca](mailto:ve4mbq@rac.ca)***

The 2019 Manitoba Marathon will be SUN 16 JUNE. New Amateur operators will be paired up with Amateurs experienced with the event.

We still need approximately twenty-five (25) volunteer operators. New Amateurs and Amateurs new to the Manitoba Marathon will be paired with someone who has done the Marathon previously. Register thru the WARC web-site,

[http://winnipegarc.org/marathon\\_volunteer\\_form.html](http://winnipegarc.org/marathon_volunteer_form.html)

The 2019 Amateur Radio Group Volunteer Briefing is TUE 11 JUNE 1900h Crescentwood CC 1170 Corydon Avenue (Map 24 D2 in the Sherlock Map Book).

  
**204.899.3350**  
1798 St Matthews Ave  
Winnipeg, MB R3H 0A5

**Discount for  
"WARC"  
members**

**Print It On is offering WARC members  
a 15% discount on any size qty of QSL cards.**

**Be sure to present your membership card.**

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**Winnipeg ARES**  
**Jeff Dovyak VE4MBQ**  
**ve4mbq@rac.ca**

Twelve Winnipeg ARES members and affiliates provided volunteer communications 01, 02 MAR at Camp Amisk for Scouts Canada Klondike Derby. Thanks to Richard Kazuk VE4KAZ for coordinating this event for ARES. A number of our operators did double-duty, we really need sixteen to twenty volunteers for this event. Volunteers were: VE4s FDM, GWB, TRO, KIZ, JFK, CLK, CIB, CDM, VID, DTF, JAH and KAZ.

Dick Maguire VE4HK was presented with a Radio Amateurs of Canada Volunteer Appreciation award at our March General Meeting in recognition of the many years he served as Winnipeg ARES Secretary. Thanks to Manitoba Section Manager Jan Schippers VE4JS for acting on our recommendation.



2018 Garry Frankel

Jeff VE4MBQ, Dick VE4HK and Kurt VE4GIS  
*Photo Credit Garry Frankel VE4VD.*

Randy Antonio from Winnipeg GSAR gave us a presentation on the Project Lifesaver Manitoba Initiative which operationalizes Fox Hunting for vulnerable people who may wander away from caregivers.

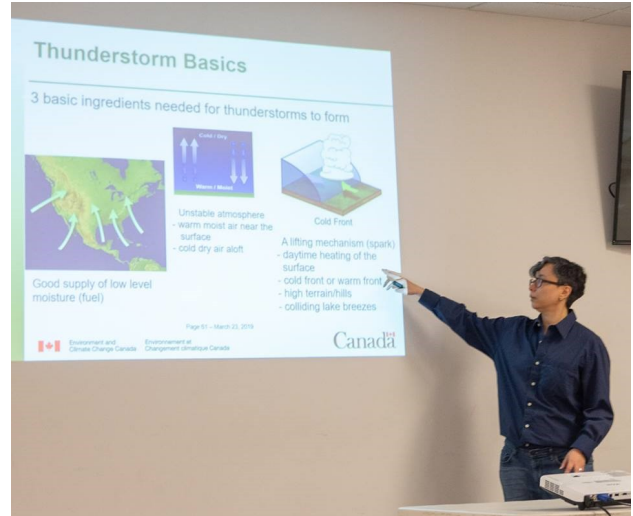


2018 Garry Frankel

Randy Antonio and Dr Barb Evans from Winnipeg GSAR  
*Photo Credit Garry Frankel VE4VD.*

CANWARN Spotter training was held SAT 23 MAR at the Carman Fire Hall. Led by Warning Preparedness Meteorologist Natalie Hasell VE4NAT, we had twenty-four participants. Special thanks to Bill Boskwick VE4BOZ for looking after local arrangements and Fire Chief Ben Vanderzwaag for hosting us. We picked up five new Spotters. Participants were:

VE4s: PER, CY, BOZ, GLS, MHZ, NQ, DJS, STL, DWG, GKS, GWN, YYL, VD, WX, SYM, TRO, KON, NAT, MBQ and VA4WAG and Nathan MacGregor, Victoria Anderson, Natasha Vidnes and Ben Vanderzwaag.



Warning Preparedness Meteorologist Natalie Hasell VE4NAT

*Photo Credit Garry Frankel VE4VD*



The crowd at Spotter training.

*Photo Credit Garry Frankel VE4VD*

At press time it is not known what role if any ARES members may play in 2019 Flood Operations south of Winnipeg or in Winnipeg. Our next General Meeting will be TUE 23 APR (**4th TUE of the month this time**), 1900h at Sir Wm Stephenson Library 765 Keewatin Street.

## Contest Calendar

Extracted From

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

### April 2019

NAQCC CW Sprint 0030Z-0230Z, Apr 10  
 Phone Fray 0230Z-0300Z, Apr 10  
 CWops Mini-CWT Test 1300Z-1400Z, Apr 10  
 and 1900Z-2000Z, Apr 10  
 and 0300Z-0400Z, Apr 11

RSGB 80m Club Championship, SSB  
 1900Z-2030Z, Apr 10  
 0145Z-0215Z, Apr 12

NCCC RTTY Sprint 0230Z-0300Z, Apr 12  
 NCCC Sprint 0000Z-2359Z, Apr 13  
 QRP ARCI Spring QSO Party 0700Z, Apr 13 to 1300Z, Apr 14  
 JIDX CW Contest 1200Z, Apr 14 to 1200Z, Apr 15  
 F9AA Cup, PSK 1200Z, Apr 13 to 1200Z, Apr 14  
 FT8 DX Contest 1200Z, Apr 13 to 1200Z, Apr 14  
 OK/OM DX Contest, SSB 1200Z, Apr 13 to 1200Z, Apr 14  
 SKCC Weekend Sprintathon 1200Z, Apr 13 to 2400Z, Apr 14  
 Texas State Parks on the Air 1400Z, Apr 13 to 0200Z, Apr 14  
 and 1400Z-2000Z, Apr 14

New Mexico QSO Party 1400Z, Apr 13 to 0200Z, Apr 14  
 North Dakota QSO Party 1800Z, Apr 13 to 1800Z, Apr 14  
 Georgia QSO Party 1800Z, Apr 13 to 0359Z, Apr 14  
 and 1400Z-2359Z, Apr 14

Yuri Gagarin International DX Contest  
 2100Z, Apr 13 to 2100Z, Apr 14

WAB 3.5/7/14 MHz Data Modes  
 1000Z-1200Z, Apr 14 (FT8)  
 and 1200Z-1400Z, Apr 14 (RTTY)  
 and 1400Z-1600Z, Apr 14 (PSK)  
 and 1600Z-1800Z, Apr 14 (FT8)  
 and 1800Z-2000Z, Apr 14 (RTTY)  
 and 2000Z-2200Z, Apr 14 (PSK)

International Vintage Contest HF 1200Z-1800Z, Apr 14  
 Hungarian Straight Key Contest 1500Z-1600Z, Apr 14  
 ARRL Rookie Roundup, SSB 1800Z-2359Z, Apr 14

4 States QRP Group Second Sunday Sprint  
 0000Z-0200Z, Apr 15

222 MHz Spring Sprint 1900 local - 2300 local, Apr 16  
 Phone Fray 0230Z-0300Z, Apr 17  
 CWops Mini-CWT Test 1300Z-1400Z, Apr 17  
 and 1900Z-2000Z, Apr 17  
 and 0300Z-0400Z, Apr 18

NCCC RTTY Sprint 0145Z-0215Z, Apr 19  
 NCCC Sprint 0230Z-0300Z, Apr 19  
 Holyland DX Contest 2100Z, Apr 19 to 2100Z, Apr 20  
 ES Open HF Championship 0500Z-0559Z, Apr 20  
 and 0600Z-0659Z, Apr 20  
 and 0700Z-0759Z, Apr 20  
 and 0800Z-0859Z, Apr 20

Worked All Provinces of China DX Contest  
 0600Z, Apr 20 to 0559Z, Apr 21

QRP to the Field 0800-1800 local, Apr 20

CQMM DX Contest 0900Z, Apr 20 to 2359Z, Apr 21

YU DX Contest 1200Z, Apr 20 to 1159Z, Apr 21

Nebraska QSO Party 1300Z, Apr 20 to 0200Z, Apr 21  
 and 1300Z-2200Z, Apr 21

Michigan QSO Party 1600Z, Apr 20 to 0400Z, Apr 21

EA-QRP CW Contest 1700Z-2000Z, Apr 20 (10-20m)  
 and 2000Z-2300Z, Apr 20 (40-80m)  
 and 0700Z-0900Z, Apr 21 (40m)  
 and 0900Z-1200Z, Apr 21 (20-10m)

Ontario QSO Party 1800Z, Apr 20 to 0500Z, Apr 21  
 and 1200Z-1800Z, Apr 21

Feld Hell Sprint 1800Z-2159Z, Apr 20

Run for the Bacon QRP Contest 0100Z-0300Z, Apr 22

SKCC Sprint 0000Z-0200Z, Apr 24

Phone Fray 0230Z-0300Z, Apr 24

CWops Mini-CWT Test 1300Z-1400Z, Apr 24  
 and 1900Z-2000Z, Apr 24  
 and 0300Z-0400Z, Apr 25

432 MHz Spring Sprint 1900 local - 2300 local, Apr 24

UKEICC 80m Contest 2000Z-2100Z, Apr 24

RSGB 80m Club Championship, Data  
 1900Z-2030Z, Apr 25  
 0145Z-0215Z, Apr 26  
 0230Z-0300Z, Apr 26

NCCC RTTY Sprint  
 NCCC Sprint  
 10-10 Int. Spring Contest, Digital  
 0001Z, Apr 27 to 2359Z, Apr 28  
 1200Z, Apr 27 to 1200Z, Apr 28  
 1300Z, Apr 27 to 1259Z, Apr 28  
 1600Z, Apr 27 to 0159Z, Apr 28  
 and 1200Z-2159Z, Apr 28

SP DX RTTY Contest  
 Helvetia Contest  
 Florida QSO Party  
 1700Z-2059Z, Apr 28  
 1300Z-1400Z, Apr 29  
 and 1900Z-2000Z, Apr 29  
 and 0300Z-0400Z, Apr 30

### Into May ....

Phone Fray 0230Z-0300Z, May 1  
 CWops Mini-CWT Test 1300Z-1400Z, May 1  
 and 1900Z-2000Z, May 1  
 and 0300Z-0400Z, May 2

AGCW QRP/QRP Party 1300Z-1900Z, May 1

NRAU 10m Activity Contest 1700Z-1800Z, May 2 (CW)  
 and 1800Z-1900Z, May 2 (SSB)  
 and 1900Z-2000Z, May 2 (FM)  
 and 2000Z-2100Z, May 2 (Dig)

SKCC Sprint Europe 1900Z-2100Z, May 2  
 NCCC RTTY Sprint 0145Z-0215Z, May 3  
 NCCC Sprint 0230Z-0300Z, May 3  
 MIE 33 Contest 2300Z, May 3 to 0300Z, May 4

Araucaria World Wide VHF Contest  
 0000Z, May 4 to 1600Z, May 5

10-10 Int. Spring Contest, CW  
 0001Z, May 4 to 2359Z, May 5

SBMS 2.3 GHz and Up Contest and Club Challenge  
 0600 local, May 4 to 2359 local, May 5

Microwave Spring Sprint 0800-1400 local, May 4

ARI International DX Contest  
 1200Z, May 4 to 1159Z, May 5  
 1300Z, May 4 to 0700Z, May 5  
 1500Z, May 4 to 0300Z, May 5

7th Call Area QSO Party 1700Z-2100Z, May 4

Indiana QSO Party 1700Z, May 4 to 2359Z, May 5

FISTS Spring Slow Speed Sprint 2000Z, May 4 to 0500Z, May 5  
 and 1300Z-2400Z, May 5

### Good Luck In The Contest

*Amateur Radios, Antennas, and more ...*

**Winnipeg ICOM Dealer...**

**Micro-HighTech Communications Ltd.**

***MOVED MARCH 1 !! 2 doors down to...***

2217 Henderson Hwy, East St. Paul, MB  
 (Just south of perimeter hwy)

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

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

## ***Good Planning Pays Off at VE4WSC's Annual General Meeting*** ***By David VE4DAR***

Good planning paid off at the Winnipeg Senior Citizens Radio Club's Annual General Meeting on March 27. How so?

President Derek Hay was able to waltz the 20 attendees through the agenda swiftly and smoothly because of good planning and preparation. Many reports had been published earlier in Sparks; and the previous minutes, financial report and audit had been circulated by email, so they only needed discussion and approval at the meeting. The agenda was provided before the meeting on line. All these actions made the meeting more efficient and faster.



These Executives were elected: President Derek Hay; Vice President Gary Goodman; Treasurer Drago Lambeta; Secretary Dennis Forster. Board of Directors elected were Bert Andrews, Irv Cosgrove, Gil Frederick, Alf Keber, Lawrence Kyle, Ed Oakes, John Wharry, Mike Beishaw and Paul Reisdorf. Henry Hessner was appointed Auditor for the fiscal year ending December 31, 2019.

Sue Collings will coordinate the Christmas Luncheon on December 3. The Club will participate in the Doors Open Winnipeg event on May 25 & 26.



Discussion around WARC's 100th Anniversary and HamFest on June 2 provided very interesting stories about early amateur radio in Manitoba. Advance tickets are now available. Well done, Derek and your team!

## ***Spotlight On: Ed Oakes VE4OAK*** ***By David VE4DAR***

I diverted busy Ed Oakes VE4OAK from his duties at WSC's Open Doors event in May. Ed had served as President of the Seniors Club and continues helping at various community events.



What got you interested in amateur radio? I had been a CB'er in Brandon, but when the DOC deregulated that band, I didn't like what was happening, such as the foul language being used on the air. So I turned to ham radio.

Take a class or on you own? Andy Anderson from Brandon's DOC office got me started. He told me what I had to do; got me the book and I studied on my own.

Build your own station or buy commercial equipment? I bought commercial. I've always just been on 2m, not on HF.

Any contacts or moments that stick out in memory? While I lived in Brandon, I belonged to the Brandon club. But there were few events there. In Winnipeg, I've enjoyed being part of the Manitoba Marathon and the Parkinson Walks.

What have you gotten out of ham radio over the years? Good experiences, friendships. I like the flea markets. I'm still a member of the Brandon club.

Public Service? Manitoba Marathon, Parkinson Walks, Amateur Radio Museum during the Thresherman's Reunion. (Ed served as President of the Seniors Club and still calls the Net on Friday's mornings.)

Advice for new hams? Get active; don't just get your license and do nothing. Get on the air!

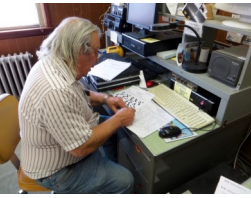
What's the future of amateur radio? Depends on how the government deals with us. I hope they don't deregulate amateur radio and folks with no training or license get on the air.

Thanks for taking time for this, Ed.

## WSC Was Humming!

By David VE4DAR

Visiting the Winnipeg Senior Citizens Radio Club on Saturday morning, March 23, was impossible. It was already full! Students writing exams for their ham ticket filled the classroom, and the kitchen. Delegated examiners, Bob VE4RCJ and Drago VE4DBV, sat poised red pens in hand in Operating Room 2 along with WARC President Colin



VE4CEM ready to register new grads with a free WARC membership. Duty Operator, parents, and drivers were huddled in Room 1 and the hallways. The place was just a humming!



Kudos go to WARC's Chief Instructor, Roberto VA4RUL, and his instruction team, for graduating Basic Short Course 17. Most of the 24 writing the Basic Exam were from BSC 17; others were doing a re-write. All were aiming for 80+ to get their HF privileges. Four U of M students were seeking the Advanced Qualification. The grand total writing was 28.

Talking with some students waiting for exam results I was surprised to hear, "I studied on my own. I didn't know there was a course here." And it was good to hear, "There were five females in the class."

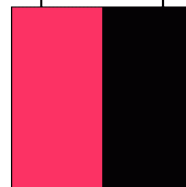
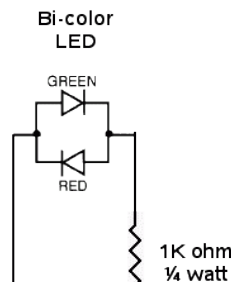
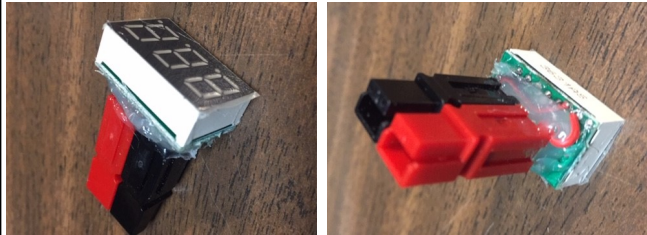
Roberto tells me four got the Basic Qualification; 11 Basic with Honours; and 3 got the Advanced Qualification.

Good job, everyone!

## Power Pole Project

Submitted by Mike VE3MKX

Quick and easy Power pole projects... You will end up making more than one !! ;) Polarity checker and Voltage checker - Picture shows both items plugged into a 3d printed distribution box - available for printing from [Thingiverse.com](http://Thingiverse.com) - <http://tinyurl.com/y3lnw2ww>

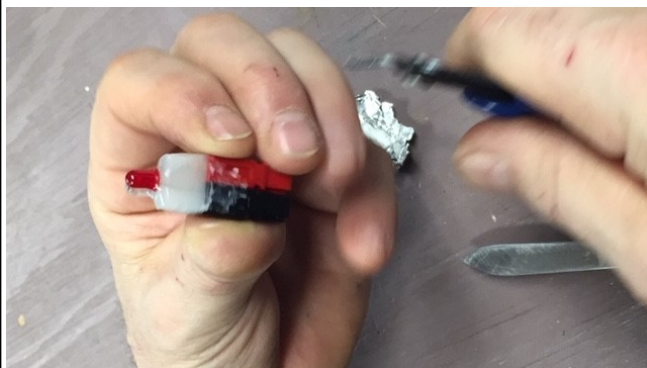


Anderson  
Powerpole  
Connector

Mini Voltage checker -A great device for checking battery or power supply voltages before or during use. This project uses a cheap eBay digital display, which is soldered to power pole connectors then hot glued to the back of the display, to be later heat shrunk..

Black-2-wire-Mini-DC-5-30V-Voltmeter -LED-Panel-3-Digital-Display-Voltage-Meter/ is

available on eBay <http://tinyurl.com/y2lv5jmd>



With Power pole connectors, some ham's actually wire them backwards ! To ensure your rig is safe, plug the checker into the outlet, if it lights up Green your good. If its Red - do not connect the polarity is backwards !

73 Mike  
VE3MKX

## *Manitoba Repeater Society*

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](mailto:info@mb-repeater-society.ca)  
<http://www.mb-repeater-society.ca/>  
<http://www.facebook.com/ManitobaRepeaterSociety>  
**MRS Memberships Expired on December 31**

### *The Manitoba Repeater Society Inc. Annual General Meeting*

The Manitoba Repeater Society Inc. Annual General Meeting will be held

**Tuesday, April 23, 7:00 pm  
Norberry-Glenlee Community Centre**

The address is 26 Molgat Ave, directly behind the Autopac building and Dairy Queen on St. Mary's Road. Guests can park on the Louis Riel School Division parking lot, right next door, if necessary.

All members, prospective members, and interested amateurs are invited to attend.

There will be reports from various committees, including an audited financial statement from the past year, and a proposed budget for 2019-2020.

The Technical Chair will present a report on the state of our repeaters, and our plans to modernize our system in the upcoming years. The executive will answer any questions from the audience.

The meeting will conclude with elections to the executive. Are you interested in running for office?

Do you know someone who would be an asset on the executive? If the answer is yes, please e-mail me ASAP, [ve4hk@rac.ca](mailto:ve4hk@rac.ca).

#### 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!

**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 Net (Afternoon) 7055 Khz**  
Daily at 23:30 UTC

**Aurora # 2 Net (Evening) 7055 Khz**  
Daily at 02:30 UTC

**MB Wx Net 3743 Khz**  
Daily at 8:30 Local Time (CT)

We are especially looking for technicians with 2 way radio experience to assist with our repeaters.

73

Dick Maguire  
VE4HK

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