



The **NEWSCASTER**

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

December 2015

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

VE4BB

Annual Christmas Party

Date: Monday, December 14, 2015
Time: 7:30 PM
Place: Dakota Collegiate - Cafeteria *See you there!*
661 Dakota Street (At Beliveau Rd.)

Other Important Dates...

Newscaster: Deadline December 30, 2015
WARC: Monthly Meeting Dates...
January 11, 2016
February 8, 2016
WSC: 2nd Thursday of month
Breakfast - Garden City Inn
ARES: Tuesday, December 15, 2015
Sir Wm Stephenson Library
765 Keewatin Street -
Presentation - Call-Outs &
Equipment
Other: - WARC Spring Flea Market
Sunday, April 17, 2016

WARC Executive for 2015-2016...

President	David Latour	ve4dla@gmail.com
Vice-Pres.	Rolf Bandlow	rolban@mymts.net
Treasurer	Bob Jacobs	rcjacobs@hotmail.ca
Secretary	Gerry Sherman	ve4gks@outlook.com
Membership	Ross Gibson	rossg@prefixservice.com
Programs	Peter Toth	ve4th@gmail.com
Director	Chris Dickens	dickens67@hotmail.com
Past President	Garth Blumm	ve4gwb@gmail.com
Public Information Officer....	Kurt Sargent	kurtsargent@gmail.com

From the President's desk ...

It's coming on to Christmas again. Time to service antennas and mobile rigs before it gets to instant-frostbite temps. Also time to think of others, even non-amateurs, who may be facing a rough winter ahead. There are many good charities and missions in Manitoba, and WARC encourages our members to give of time, money or effort to whichever makes most sense to them.

There is a new net on the air, one just for new hams or new-to-vhf/uhf hams, thanks to the Education group within WARC. Well done, David, Rob and Dan. Details will be found later in the Newscaster. Be sure to listen-in, these call-signs will soon be on the regular repeater network, looking for new friends.



Please be sure to attend our annual Christmas meeting at the usual time and place. The format is a little different, but there will still be friends, food and interesting events. I'm looking forward to seeing you all, and your close ones, then.

73,
David Latour VE4DLA
President

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

Seniors Club Holds AGM

By David VE4DAR

Winnipeg Senior Citizens Radio Club's monthly breakfast was held at the Canad Inn on McPhillips on November 12. Nineteen members and guests enjoyed good fellowship as shown in my photos. However, some confusion appeared during the AGM.



With the President having recently resigned, it fell to Gil VE4AG to chair the AGM. After a 20-minute delay spent searching for the minutes of the previous meeting, it was determined that a quorum was present so elections could proceed.

The 12 member Board was confirmed, as were Dennis VE4DMF as Secretary and Lawrence VE4SS as Treasurer. However, with no nominations for President and Vice President, those elections were tabled. There was no Treasurer's Report.



Bert VE4AND reported that the building's renovations were still occurring with no re-entry date certain.

Derek VE4HAY said the Constitution and Club Rules had been revised and sent for review by the Charities Directorate for approval, before being provided to the membership. At this point the Club is maintaining a charitable status. He also noted that he still hasn't seen a copy of the latest lease.

WSCRC's Christmas Party will be held at the Polo Park Canad Inn on December 1. Tickets are still available from Gil. Alf VE4ALF asked that wrapped gifts be brought for the draws.



WARC's next Basic Short Course is being planned by new Chief Instructor, Rob VE4SHS, for late February and March. After the location and dates are established, advertising and registrations will begin.

With the agenda achieved, folks had a final sip of coffee and bid farewells. I'm looking forward to December first. Best wishes for the Holiday Season and 2016.



P. S. Since the meeting, two members have been added to the Executive: Bert VE4AND as President and Gil VE4AG as Vice President.

Changes are happening at the VE4WSC clubrooms

As everyone knows the building is under renovations and we hope to be back in and cleaning up the mess by Christmas

In the meantime work was been done to switch our telephone and internet over to the VA4WAN Ham-Wan system. As such our telephone number has changed to 204-666-8435. Also please note that our web site has moved to www.ve4wsc.ampr.org so please bookmark this new site.

Our email address will also be changing very shortly and when it changes it will be posted on our new web site.

WSCRC's Christmas Luncheon

By David VE4DAR



On Tuesday, December 1st, 38 members and friends enjoyed a hot turkey dinner with all the trimmings at the Polo Park Canad Inn. It was the Winnipeg Senior Citizens Radio Club's annual Christmas Luncheon.



After the meal VP Gil VE4AG presented this year's Honour Awards to Dennis Forster and Derek Hay for their special efforts on behalf of the Club. The surprised look on Al VE4AEW was priceless when Alf VE4ALF presented him with a "Two-two" Award!



Twenty persons won the door prizes donated by club members. Winners of the special prizes draws were Ruth Mills, Lawrence Kyle, and Otto Pestyk.

Hey, Social Committee: What's next?



Greetings. This is your friendly MRS reminder about your 2016 membership renewal is coming due January 1, 2016.

Your renewal is VITAL to accomplish the many important services provided through the MRS. Annual memberships are the sole dependable source of funding available to the MRS and our continued existence would be impossible without the support of local amateurs like you!

We trust that as a user of the repeaters and the repeater system you will find great value in supporting the Manitoba Amateur Radio Society. We welcome your thoughts and ideas and encourage you to contact any member of the executive with any concerns you may have.

We would greatly appreciate if all current and prospective members renew their membership for this year and support the group.

Attached is a membership form that can be used, or you can join / renew at the website

<http://mb-repeater-society.ca/>

73, Dan ve4drk
MRS Membership Chair

RAC Bulletin

Revised RAC 0-30 MHz Band Plan Released

The revised RAC 0-30 MHz Band Plan has been released with the effective date of December 1, 2015. This replaces the January 1, 2015 Band Plan version. It incorporates several updates to reflect feedback received on the earlier version. The Band Plan graphics have also been changed to improve readability and make it easier to determine which segments are recommended for which modes, especially for those who are colour-blind.

The RAC 0-30 MHz Band Plan is available on the RAC web site: wp.rac.ca/rac-0-30-mhz-band-plan or by navigating through the "How to Start?" tab on the RAC home page. A downloadable PDF file is available by clicking the image. The French version may be found at wp.rac.ca/qc/rac-du-plan-de-bande-0-30-mhz

Hats off to Vince d'Eon, VE6LK for the many hours of work preparing the graphics through numerous revisions. Thanks to the RAC Band Planning Committee, chaired by Al Penney VO1NO, with members Mel Martin VE2DC, Ken Asmus VA3KA, Frank VanderZande VE7AV, and Don Moman VE6JY for the over one-year commitment in reviewing the old band plans and current practices. Thanks also to Claude Lalande VE2LCF and Dann St-Pierre VE6TD for their help in producing the French language version and to Eric Lysenko VE3EAL for his insights on improving readability. Finally, RAC would like to thank all those who provided comments on the January 1, 2015 Band Plan. This feedback was instrumental in producing a graphic of great use to Canadian Amateurs.

The RAC 0-30 MHz Band Plan is a living document. Comments and suggestions are welcome.

Please use the comment form wp.rac.ca/executives and select International Affairs Officer. Comments will be acknowledged and forwarded to the full RAC Band Planning Committee for consideration as future updates.

George Gorsline VE3YV

International Affairs Officer

Not a RAC Member??

You can join RAC today on-line...

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

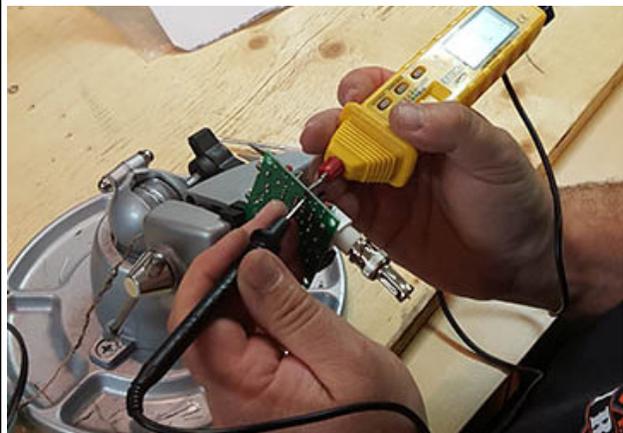
Build-It Session Photos

Submitted by Cary VE4EA

These photos are from the recent "Built-It Session" on Sunday, November 16, 2015



A group of 4 were present and learned some valuable kit building techniques.



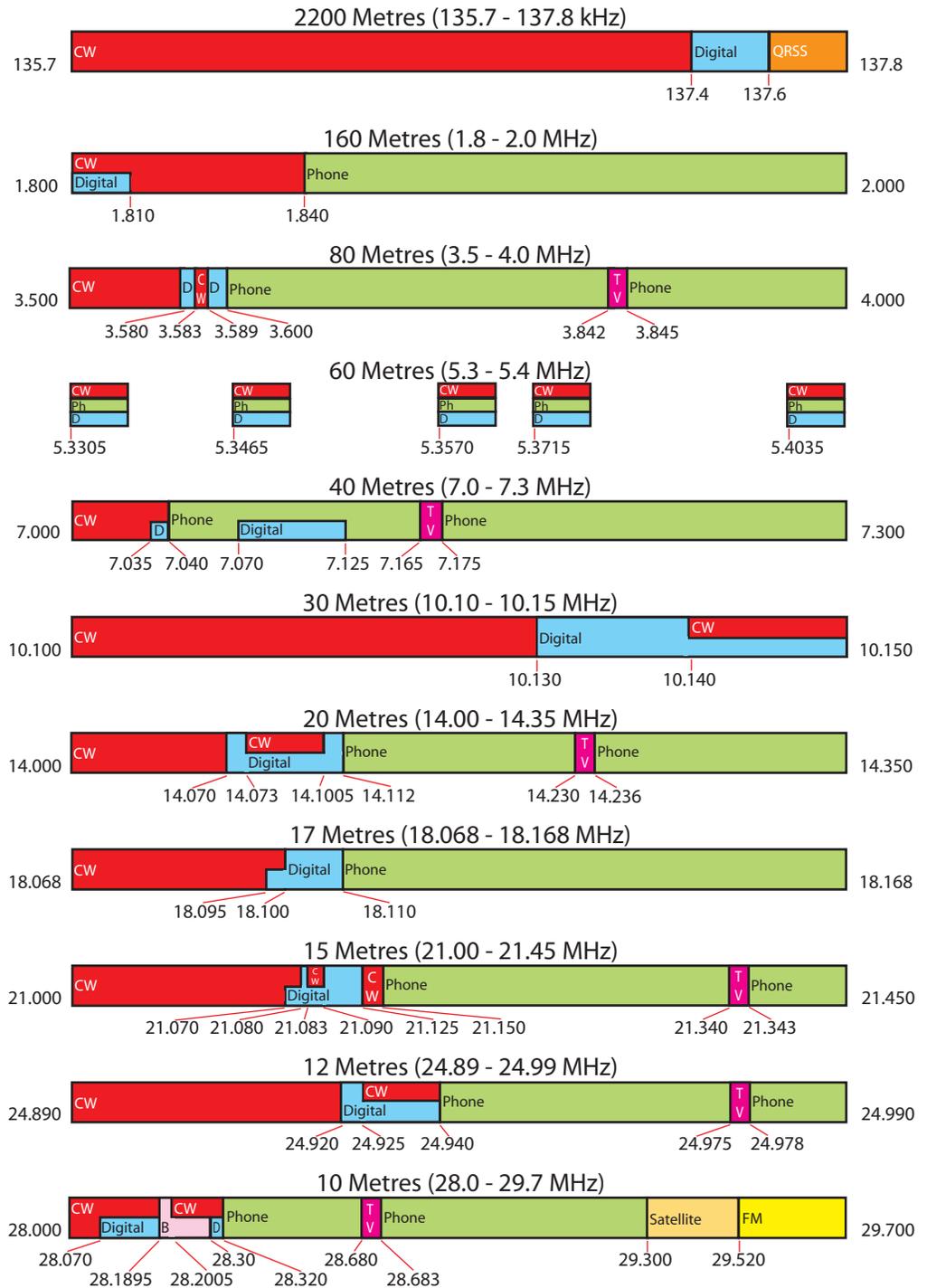
Peter Toth, VE4TTH, is a wonderful teacher.



Canadian 0 - 30MHz Band Plan

Effective Date:
December 1, 2015

1. This is a simplified version of the official RAC Band Plan. Not all permissible modes/activities are represented.
2. LSB is used on 160, 80 and 40m.
3. Consult various online resources for detailed information on what digital modes are used.
4. Maximum bandwidth permitted on 2200m is 100 Hz. Maximum power is 1 Watt EIRP.
5. Refer to the IC and RAC websites for full details before operating on the new 60m channels.
6. Remember not to allow your signal to spill over into adjoining band segments when operating close to the edges. During major weekend contests, activity in certain modes can spill over into other segments. Operators should avoid NCDXF beacons on 14.100, 18.110, 21.150, 24.930 and 28.200 MHz.
7. This graphic is a living document and will be reviewed and updated periodically to reflect changes in the band plans and operating habits.



www.rac.ca

Key		
CW	FM	SSTV
CW QRSS	Beacons	Digital
Phone	Satellite	

Contest Calendar

Extracted From

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

For December ...

Ten-Meter RTTY Contest	0000Z-2400Z, Dec 6
SARL Digital Contest	1300Z-1600Z, Dec 6
CQC Great Colorado Snowshoe Run	
	2100Z-2259Z, Dec 6
ARS Spartan Sprint	0200Z-0400Z, Dec 8
NAQCC CW Sprint	0130Z-0330Z, Dec 9
QRP Fox Hunt	0200Z-0330Z, Dec 9
Phone Fray	0230Z-0300Z, Dec 9
CWops Mini-CWT Test	1300Z-1400Z, Dec 9
	and 1900Z-2000Z, Dec 9
	and 0300Z-0400Z, Dec 10
NCCC RTTY Sprint	0145Z-0215Z, Dec 11
QRP Fox Hunt	0200Z-0330Z, Dec 11
NCCC Sprint	0230Z-0300Z, Dec 11
ARRL 10-Meter Contest	0000Z, Dec 12
	to 2400Z, Dec 13
SKCC Weekend Sprintathon	1200Z, Dec 12
	to 2400Z, Dec 13
International Naval Contest	1600Z, Dec 12
	to 1559Z, Dec 13
QRP ARCI Holiday Spirits Homebrew Sprint	
	2000Z-2359Z, Dec 13
QRP Fox Hunt	0200Z-0330Z, Dec 16
Phone Fray	0230Z-0300Z, Dec 16
CWops Mini-CWT Test	1300Z-1400Z, Dec 16
	and 1900Z-2000Z, Dec 16
	and 0300Z-0400Z, Dec 17
NAQCC CW Sprint	0130Z-0330Z, Dec 17
NCCC RTTY Sprint	0145Z-0215Z, Dec 18
QRP Fox Hunt	0200Z-0330Z, Dec 18
NCCC Sprint	0230Z-0300Z, Dec 18
Russian 160-Meter Contest	2000Z-2400Z, Dec 18
AGB-Party Contest	2100Z-2400Z, Dec 18
RAC Winter Contest	0000Z-2359Z, Dec 19
OK DX RTTY Contest	0000Z-2400Z, Dec 19
Feld Hell Sprint	0000Z-2359Z, Dec 19
Croatian CW Contest	1400Z, Dec 19
	to 1400Z, Dec 20
ARRL Rookie Roundup, CW	1800Z-2359Z, Dec 20
Run for the Bacon QRP Contest	0200Z-0400Z, Dec 21
SKCC Sprint	0000Z-0200Z, Dec 23
Phone Fray	0230Z-0300Z, Dec 23
CWops Mini-CWT Test	1300Z-1400Z, Dec 23
	and 1900Z-2000Z, Dec 23
	and 0300Z-0400Z, Dec 24
NCCC RTTY Sprint	0145Z-0215Z, Dec 25
NCCC Sprint	0230Z-0300Z, Dec 25
DARC Christmas Contest	0830Z-1059Z, Dec 26
World Wide Iron Ham Contest	1200Z, Dec 26
	to 1159Z, Dec 27
Stew Perry Topband Challenge	1500Z, Dec 26

	to 1500Z, Dec 27
RAEM Contest	0000Z-1159Z, Dec 27
Phone Fray	0230Z-0300Z, Dec 30
CWops Mini-CWT Test	1300Z-1400Z, Dec 30
	and 1900Z-2000Z, Dec 30
	and 0300Z-0400Z, Dec 31

Into January 2016...

AGB New Year Snowball Contest	0000Z-0100Z, Jan 1
NCCC RTTY Sprint	0145Z-0215Z, Jan 1
NCCC Sprint	0230Z-0300Z, Jan 1
SARTG New Year RTTY Contest	0800Z-1100Z, Jan 1
AGCW Happy New Year Contest	0900Z-1200Z, Jan 1
AGCW VHF/UHF Contest	1400Z-1700Z, Jan 1 (144)
	and 1700Z-1800Z, Jan 1 (432)
QRP ARCI New Years Sprint	1500Z-1800Z, Jan 1
PODXS 070 Club PSKFest	0000Z-2400Z, Jan 2
WW PMC Contest	1200Z, Jan 2
	to 1200Z, Jan 3
Original QRP Contest	1500Z, Jan 2
	to 1500Z, Jan 3
ARRL RTTY Roundup	1800Z, Jan 2
	to 2400Z, Jan 3
EUCW 160m Contest	2000Z-2300Z, Jan 2
	and 0400Z-0700Z, Jan 3
Kid's Day Contest	1800Z-2359Z, Jan 3
ARS Spartan Sprint	0200Z-0400Z, Jan 5
QRP Fox Hunt	0200Z-0330Z, Jan 6
CWops Mini-CWT Test	1300Z-1400Z, Jan 6
	and 1900Z-2000Z, Jan 6
	and 0300Z-0400Z, Jan 7
UKEICC 80m Contest	2000Z-2100Z, Jan 6

Good Luck In The Contest

Newbie Net By David VE4DAR

There's a new net on the VE4WPG repeater. It's called the Newbie Net; "newbie" for someone new at or inexperienced in some activity. 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.

Newbie Net is held Saturday mornings at 1000 o'clock local time. Net Control Operator is David VE4DAR. In time we hope to have trained some neophytes to be net control operators for this and other nets.

So if you are newly licenced in the past year or so, or just setting up your first station, check in Saturday mornings. We'd love to talk with you.

Winnipeg ARES

Jeff Dovyak VE4MBQ ve4mbq@rac.ca

Congratulations to Jim Sutton VE4SIG, Dick Maguire VE4HK and Susan Collings VE4SYM who were returned to office by acclamation (President, Secretary and Treasurer) for Winnipeg ARES Inc. Business items discussed at our 17 NOV Annual General Meeting included approval of the 2014-15 Financial Statement and approval of the 2015-16 Budget. Operationally, in the past year our activities have included:

Alerts, Call-Outs, Exercises & Tests	4
Public Service Events	5
Monthly Educational Meetings	11

A number of Winnipeg ARES members and affiliates donated new, unwrapped toys to the Salvation Army Toy Mountain campaign. Thanks to Sunday VE4SBS., and Garry VE4VD who photographed members upon request at our OCT & NOV meetings for the new ID card issue.

Thanks to Yori VE4ACX, Dick VE4HK and Brad VE4WTZ our new UHF repeater was set up 10 NOV downtown at our VE4ARC site. Special thanks to the Winnipeg Parade Committee for facilitating the new, 2-bay folded dipole UHF antenna.

Thirty-three Winnipeg ARES members and affiliates provided volunteer Amateur Radio communications for the Santa Claus/Grey Cup Parade SAT 28 NOV. The new VE4ARC UHF repeater worked very well. Our volunteers were:

VA4s RWT, PNO, MAC, DON, AJG.
VE4s KAZ, HK, JDH, SBS, VD, TRO, MAQ, RCA, JAH, DWG, JFK, BOY, DTF, GIS, TSY, ANF, HAZ, WX, GWN, FDM, GWB, CLK, DDW, CDM, SIG, GMB, RAI and MBQ.

Special Thanks to Richard VE4KAZ for the FT-8800 for UHF Net Control.



Richard VE4KAZ and Dick VE4HK at Parade Comm Centre

Photo Credit Jeff Dovyak VE4MBQ



Jack VA4PNO Outside WFPS MIRV

Photo Credit Don Gerrard VE4DWG

The next Winnipeg ARES General Meeting is TUE 15 DEC 1900h at Sir Wm Stephenson Library 765 Kee-watin Street. Please bring your about to expire Manitoba ARES photo-ID cards to exchange for a new card expiring in 5 years' time. The presentation will be Call-Outs & Equipment.

Planning for BSC 11 By David VE4DAR

Barely retired from teaching at Shaftesbury High School, Rob Striemer VE4SHS agreed to be WARC's Chief Instructor for the Basic Short Courses. Readers remember Rob for his leadership with satellite launches by weather balloons and in establishing the Telebridge Station. Perhaps you've seen Rob and colleague Adrian Deacon VA4AMD with students during Field Day and at recent Flea Markets?

Recently Rob and I met to review the course planning checklist. We decided to aim for having Basic Short Course 11 (BSC 11) in Feb/Mar so graduates could participate in satellite launches in the early Spring. Shaftesbury High School is the desired classroom location. Updating the Yellow Folder for students has been completed. Roger Froebe VE4RLF worked on updating the Elmer List. This time we plan to assign an Elmer to each student at registration. Rob is starting to contact potential instructors to develop a Course Schedule.

After the course dates and the classroom location have been confirmed, advertising will begin and registrations will be accepted. The new 2m net on Saturday mornings should help students and neophyte hams get on-the-air. Stay tuned!

Extra Extra Read All About It!!

At Press Time - Just Announced! The Basic Short Course 11 dates are February 20, 27, March 5, 12 and 19, 2016. Details are on-line at

WinnipegARC.org/basic_course.html

Pass it on to your family and friends

VA4WAN, Hamwan, Hinternet, HSMM

Who cares what the name is as long as works.

By Derek, VE4HAY



For the past two years a project has been slowly growing and moving along. It has changed names

many times along the way as the project grew. And to tell you the truth, we still don't know what to call the project. What I can tell you is that we are part of the Winnipeg Digital Radio Group, the same group that brought D-Star to Winnipeg. We have a callsign and we have a registered domain. So for now just call us VA4WAN.

VA4WAN is a group of amateur radio operators building a Winnipeg-wide wireless network using Wi-Fi devices that operate at frequencies that have been allocated by Industry Canada for amateur radio use (2.3GHz and 5.9GHz).

To date we have set up a site with 4 - 90 degree sector antennas on 2.3GHz providing 360 degree coverage (a small slice to the south east is not covered) to the city of Winnipeg. Connected to this is an intranet that can provide a host of capabilities to those who want to connect to us. We also have a very high-speed connection to the Internet through VE4LES, who owns an internet connection point les.net which has a presence on the Hurricane Electric pipe, a major provider of internet connectivity. As we are part of the AMPR.org community, for all intents and purposes, it looks like we are connected directly to the University of California San Diego. Our connection to Les.net is about ~100mbps upload and download. We take that connection and use it to provide outside access to portions of our intranet.

Already connected and running

We have a virtual server that has running on it;

- Asterisk – a telephony system providing voice over I/P (VOIP) telephone service to amateur radio users. Check our public Google link below for a listing of telephone extensions.
- Web server – provides web space to any amateur radio group who wants it for their use. Right now we have the va4wan.ampr.org and the ve4wsc.ampr.org websites on this server. The Manitoba Repeater Soci-

ety will be ported over shortly. If any other group wishes to move their site over, please contact William, VE4VR.

- We will be installing a collaboration server for those hams who want to learn about networking and servers or whatever. It is really up to the users to decide what they want on this server.

Right now we are providing a connection to the internet for the VE4WDR – D-Star gateway. The Manitoba Repeater Society is also planning on using us a connection for their intra/internet of repeaters. We can provide a connection for any other repeater group that wants or needs an internet connection for their repeater(s) as well.

There are plans to connect up with the University of Manitoba amateur radio club. Once this is formally and physically connected, we will have a redundant internet connection for both VA4Wan and Umars.

Our main site is located in the Osborne village area on a very tall apartment block and we have one remote site operating in the West end area of Winnipeg. We are partially installed a remote link to a site in Woodlands Manitoba. And a site is being negotiated in South St. Vital. Plus we are planning a remote site at the Winnipeg Seniors club and another in South Transcona.

We are actively looking for suitable sites in St. James/Charleswood and East or West Kildonan. To date the following users are connected to the system, VE4VR, VE4DRK, VE4HAY, VE4CST, VE4VB, VE4EA, VE4WSC and obtaining speeds of up & down to ~4mbps.

The Winnipeg Amateur Radio Club has asked us to do a presentation on our project, and we are working on putting something together right now for presentation in the spring. In the meantime, to learn more about what we are up to and what we are planning, check out our website, VE4wan.ampr.org. But I must warn you. Our efforts are on the network and getting it fully operational and not on keeping our web site updated.

For pictures of our equipment and our sites or a listing of users extensions for the telephony network then please check out our public Google page

<https://drive.google.com/folderview?id=0B0U7qbDYlypAaU94anR2S3cweHM&usp=sharing>

If you have any questions please ask and make sure you attend our WARC presentation in the Spring.

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 !

Ed VE4YU, at the controls!

Listen On-Line at ...

<http://www.cjnu.ca>

Notices...

WpgSDR...

Winnipeg Software-Defined Radio users group meetings starting soon!

Interested? Contact CStanners@gmail.com

Dayton Hamvention...

I have one available seat/bed for Dayton Hamvention – <http://hamvention.org> May 20-22

Leaving Winnipeg early May 18th (overnight in Peoria) – returning May 23rd evening (overnight in Alexandria May 22).

We will split the gas and hotel 4 ways.

Contact Derek, VE4Hay@shaw.ca if interested

Amateur Radios, Antennas, and more are available from your local

Winnipeg ICOM Dealer...

Micro-HighTech Communications Ltd.

NEW LOCATION

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/>

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!

Friendly Manitoba IRLP Net

Net - 145.450 Mhz - (Node # 1066)

On - The Great Lakes Reflector #9611

Wednesdays at 7:00 pm

This net connects you with the world using the internet as the backbone!

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, - newscaster@WinnipegARC.org



MEMBERSHIP APPLICATION / RENEWAL
(Please note: membership year is January 1st to December 31st)

Mail to:

**Membership Manitoba Repeater Society
C/O VE4WSC
598 St. Mary's Road
Winnipeg MB R2M 3L5**

<http://www.mb-repeater-society.ca>

Call Sign _____

Surname _____

Preferred First Name _____

Mailing Address _____

City _____ Prov _____

Postal Code _____

Home Phone _____

Work Phone _____

E-mail Address _____

Class of Member: Regular \$35.00 Addn'l Family Member \$15.00

Renewal _____ New _____ RAC Member Number _____ for a \$10.00/member rebate

Newsletter by E-mail _____ or Snail Mail _____

Would you be willing to help out on work at various repeater sites ? YES NO

Optional Information:

Current Occupation: _____

If Retired Former Occupation: _____

Skills: _____

Other Clubs to which you belong: _____

Club use only

Date _____

\$ _____

Cheque/Cash/Money Order

Recpt _____

Card Issued _____ Year _____