



The **NEWSCASTER**

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

February 2019

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VE4BB

The Benefits of RAC

By RAC President - Glenn MacDonell

Date: Tuesday, February 12, 2019

Time: 7:30 PM **New Weekday & Location**

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

Other Important Dates:

News caster: Deadline February 28, 2019

WARC: Monthly Meeting Dates **2nd Tuesdays**
March 12, 2019 - Rob Streimer VE4SHS on
Winnipeg Schools High Altitude Balloon
Program
April 9, 2019 - "Home Brew - Show & Tell"
May 19, 2019 - TBA
June 11, 2019 - TBA & Elections

ARES: Tuesday, February 19, 2018
Sir Wm Stephenson Library
765 Keewatin Street -
Operation Lifesaver By Randy Antonip
of GSAR

Other: The WARC 2019 Centennial
Conference and Hamfest
Sunday, June 2, 2019

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

WARC Executive for 2018-2019...

President	Colin Mantay	ve4cem@rac.ca
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	Roberto Urrea	va4.rul@gmail.com
Education	Roberto Urrea	va4.rul@gmail.com
Past President	Peter Toth	ve4tth@gmail.com
Public Information Officer....	Vacant	

Message From The President,

It was cold out, but we managed to brave the weather and hold Winter Field Day! I would like to send a huge thanks to Bill (VE4BEF) and his wife Melissa (VE4???, soon?) for hosting the event at their place.

Bill went through great effort to ensure we had an authentic HAM shack (complete with heat) and a nice shop space to work on cables and antennas. Melissa was very generous to spend her time cooking and putting out an amazing spread. Thank you both for your efforts, it was a fantastic weekend!

Since Ron's (VE4PL) presentation on magnetic loops and the workshops himself and Ken (VE4KGK) have held, a few magnetic loops have been build and John's (VE4VJR) antenna made an appearance at Winter Field Day for a session of test and tune.

Also making an appearance was a home-made double ended 2M J-Pole antenna which was wired and propped up with 32 feet of military grade fibreglass tent poles and pulled off a simplex QSO over 20 miles using a 5-watt HT, receiving an RST of 59!

We were also happy to host a father and son who are enrolled in BSC17 starting up at the end of this month. With plenty of experienced operators on hand, as well as some experimentation in antenna design, they were both full of great questions and are well on their way to passing their exams!

Our centennial celebration planning committee is running full steam ahead and full of ideas to ensure that our main event, the WARC 2019 Centennial Conference and Hamfest, will be one to remember. We've officially secured the special event callsign VX4WARC that we'll be able to use during the month of June.

We're looking to spread the history of WARC far and wide and RAC has graciously offered to help us out. If there's any members who are interested in writing a few articles about the history of WARC and our upcoming events we would love to hear from you!

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
Other notes of interest, John (VE4VJR) has taken over as trustee of the club's callsign, VE4BB and has been making an effort to update our QRZ webpage as well as set up a LotW account for the club. David (VE4DLA) has just become an official examiner and is able to offer Basic, Advanced and Morse Code certifications! Thank you gentlemen for taking on these additional responsibilities!

Spring is just around the corner and 2019 is off to a great start! Stay warm and 73!

Sincerely,
Colin Mantay, VE4CEM
President

WARC Meeting Minutes January 8, 2019 Taken by Gerry VE4GKS

Meeting called to order 01:30

Introductions as usual.

- December minutes approved as usual.
- Treasurer's report - \$5870 in bank (+ self insurance)
- Membership – 92 members
- DX – Adam says rather quiet
- Work going on on the antenna trailer.
- VE4PL won the 50/50 – donated proceeds back to the club.

Following a short break, VE4PL gave a presentation on magnetic loop antennas.

2017 OSCAR Award Recipient

The 2017 Recipient was Derek Hay VE4HAY for his ceaseless efforts over many years and in many positions to promote amateur radio at the local, regional and national levels, to broaden the range of amateur radio activities and to expand our interests into the 21st century.



Derek was unable to attend the December 2017 meeting to receive the award in person

Celebrate WARC's 100th WARC 2019 Centennial Conference and Hamfest

Sunday, June 2, 2019

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

*The event will include a much longer
Flea Market and we plan to have education
forums and other services for hams.*

Stay "Tuned" for more details!

Contact Cary VE4EA carys1@gmail.com

Digital Voice Amateur Radio – Where are we in Winnipeg.

In an effort to develop some education on the various digital formats available to Amateur Radio operators in Winnipeg, I would like to put together a panel of experts on the topic. This panel will then be front and center at one of the forums at the Winnipeg Hamfest this summer or at a WARC meeting in the fall. Where we will discuss all things Digital Voice and where we are in Winnipeg.

The panel will be moderated so that this does not turn into a sales pitch, or does not slag one format against another. It will be an open discussion on each format type, where the expert can talk about their format and what is installed in Winnipeg for maybe 10 minutes. Then the moderator will ask questions to get clarification on anything said and ask about future plans for each digital format in Winnipeg. The conversation will then be opened up to the audience for a town hall type Q&A.

At this time I am asking for volunteers to step forward or to be recommended for the panel on each of the following digital formats

D-Star
Fusion I
Fusion II
DMR - Mototurbo
DMR - MARS
DMR – Brandmeister
P25
NXDN
Transcoding

So if you believe you know a lot about one of these formats, and know someone is an expert on one of the formats, please contact me.

Derek VE4HAY
VE4HAY@shaw.ca

Spotlight On: Rand Shipman VE4RI

By David VE4DAR

What got you interested in Amateur Radio? “I was always interested in electronics. I built a Morse Code practice oscillator in Grade 7 electrical shops. At Garden City Collegiate we had a club station (VE4GY) started by teacher Ed Kowalchuck VE4CZ. Later, teacher Duncan McCrae VE4DA helped me get my ham ticket in March, 1971. About 20 kids got started there.”

“I built a SB303 receiver while studying at the University of Manitoba. My first transmitter was built with a plan from QST. I also bought some used equipment.”

Contacts or moments that stick out in memory? “I had been out of the hobby for about 10 years, when one Christmas Eve, I decided to send Ho Ho Ho in Morse on 40m. My contact agreed to play Santa for my three boys. (After prompting in CW,) he came back with what each had asked for and was going to get from Santa for Christmas!”

“Another time GW4OES told me his brother had been killed in an air crash in Winnipeg during WW2. I took photos of the grave site and sent them to him.”

What have you got out of ham radio over the years? “I’ve gotten friends. I talked with a pal in Australia every Saturday. We share experiences and interests.”

Any part of ham radio that interested you particularly? “Chasing DX. I have 241 confirmed stations. I like talking with rare stations. I’ve talked with Father Moren, 9N1MN, a priest from Winnipeg living in Nepal. Another was the American base at Murdo Bay, Antarctica.”

Public Service? “In high school, our club station set up in shopping centres to promote our hobby. Now I’m a member of WSCRC’s board.”

Advice for new hams? “Join WARC, RAC and WSCRC – no longer has an age limit. Get on the air, even if it’s just to listen. Learn to tune out all the distractions. Don’t be afraid to call CQ.”

Future of Amateur Radio? “It’s important to get kids back into our hobby, especially in the new digital technologies. Make it look novel again.”

Thanks, Rand, for more than 40 years serving our hobby.

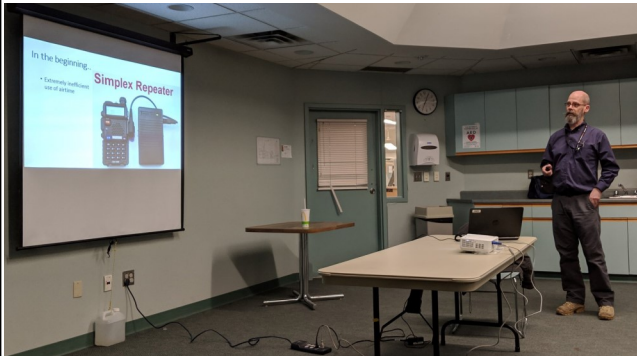


Winnipeg ARES

Jeff Dovyak VE4MBQ

ve4mbq@rac.ca

Jim Sutton gave us a very dynamic presentation on Cross Band Repeaters at our January meeting and donated a dual-band antenna kit to Winnipeg ARES.



*Jim VE4SIG presenting on Cross Band Repeaters
Photo Credit John Erwin VE4WX*

Richard VE4KAZ is coordinating Amateur Radio for Klondike Derby SAT & SUN 02, 03 MAR at Camp Amisk off Waverly. He still needs ten volunteer operators, you can register directly via e-mail ve4kaz@rac.ca

CANWARN Spotter training will be SAT 23 MAR in Carman MB. Pre-registration is required thru ve4mbq@rac.ca final details being arranged now.

Randy Antonio from Winnipeg GSAR is scheduled to present on Operation Lifesaver (which seems to be operationalized Fox Hunting) at our next General Meeting TUE 19 FEB 1900h at Sir William Stephenson Library 765 Keewatin Street. There will also be a special presentation at the FEB General Meeting.

Manitoba Marathon

Jeff Dovyak VE4MBQ

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 sixty-five (65) volunteer operators. Register thru the WARC web-site...

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). Notes from the 2018 ARES operation are posted on Wpg ARES and WARC web-sites:

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

<http://www.winnipegarc.org/>

Manitoba Repeater Society

C/O VE4WSC
598 St. Mary's Road
Winnipeg MB R2M 3L5
info@mb-repeater-society.ca
<http://www.mb-repeater-society.ca>

MRS Is Seeking Net Controllers

The Manitoba Repeater Society is looking for 4 new Net Controllers for the Sunday and Thursday 2 meter nets, held at 9:00 pm, both evenings.

When you join our happy crew, you will be properly trained. You will be asked to call a net about four times over three months. I will do my best to schedule controllers on the days or dates they prefer.

Net Controllers require a 2 meter or 440MHz base station. A handheld will not do.

To join our group of Net Controllers, contact me, Dick VE4HK. I am available on VE4WPG repeater a lot of the time. My e-mail is ve4hk@rac.ca. Landline 204-256-3143. I am at coffee most Saturday mornings, and at coffee at Timmies a couple of times a week. You can see me at the February WARC meeting.

73

Dick Maguire VE4HK
MRS 2 Meter Net Coordinator

Notice for anyone planning on building Magnetic Loop Antennas

I am currently "out of stock" on 7/8 Heliac to build Magnetic Loop antennas. I expect to have another batch of Heliac late April or early May, once the yard holding our sea storage container is dry. It is not fun dealing with ankle deep water, or a quagmire.

I spoke with Ron VE4PL, our Mag-loop Master, today. He recommended 12 foot lengths for the Heliac to make a 3 foot diameter circle.

If you are interested in having a length of Heliac to make your very own Magnetic Loop send me an e-mail ve4hk@rac.ca and I will put you on a list. Make sure you include your name, e-mail address, and telephone number.

73

Dick VE4HK

Loop building classes are finished... Until March

At our last class a number of loops were constructed. We had a lot of fun making them, and getting them tuned. If anyone has any variable capacitors of any size or value they would like to donate to the Seniors club please drop them off, or contact Ken ve4kgk, or myself, and they will be put to good use. A few pictures of some of the guys - Ron VE4PL, Mike VE4AES, Ken VE4KGG, Rand VE4RI and John VE4VJR.



73

Ron
VE4PL

Contest Calendar

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

February 2019

ARS Spartan Sprint	0200Z-0400Z, Feb 5
QRP Fox Hunt	0200Z-0330Z, Feb 6
Phone Fray	0230Z-0300Z, Feb 6
CWops Mini-CWT Test	1300Z-1400Z, Feb 6 and 1900Z-2000Z, Feb 6 and 0300Z-0400Z, Feb 7
UKEICC 80m Contest	2000Z-2100Z, Feb 6
NRAU 10m Activity Contest	1800Z-1900Z, Feb 7 (CW) and 1900Z-2000Z, Feb 7 (SSB) and 2000Z-2100Z, Feb 7 (FM) and 2100Z-2200Z, Feb 7 (Dig)
SKCC Sprint Europe	2000Z-2200Z, Feb 7
NCCC RTTY Sprint	0145Z-0215Z, Feb 8
QRP Fox Hunt	0200Z-0330Z, Feb 8
NCCC Sprint Ladder	0230Z-0300Z, Feb 8
CQ WW RTTY WPX Contest	0000Z, Feb 9 to 2359Z, Feb 10
SARL Field Day Contest	1000Z, Feb 9 to 1000Z, Feb 10
Asia-Pacific Spring Sprint, CW	1100Z-1300Z, Feb 9
Dutch PACC Contest	1200Z, Feb 9 to 1200Z, Feb 10
SKCC Weekend Sprintathon	1200Z, Feb 9 to 2400Z, Feb 10
KCJ Topband Contest	1200Z, Feb 9 to 1200Z, Feb 10
YLRL YL-OM Contes	1400Z, Feb 9 to 0200Z, Feb 11
OMISS QSO Party	1500Z, Feb 9 to 1500Z, Feb 10
FISTS Winter Unlimited Sprint	1700Z-2100Z, Feb 9
RSGB 1.8 MHz Contest	1900Z-2300Z, Feb 9
Balkan HF Contest	1300Z-1700Z, Feb 10
4 States QRP Group Second Sunday Sprint	0100Z-0300Z, Feb 11
CQC Winter QSO Party	0100Z-0259Z, Feb 11
ARRL School Club Roundup	1300Z, Feb 11 to 2359Z, Feb 15
NAQCC CW Sprint	0130Z-0330Z, Feb 13
QRP Fox Hunt	0200Z-0330Z, Feb 13
Phone Fray	0230Z-0300Z, Feb 13
CWops Mini-CWT Test	1300Z-1400Z, Feb 13 and 1900Z-2000Z, Feb 13 and 0300Z-0400Z, Feb 14
RSGB 80m Club Championship, Data	2000Z-2130Z, Feb 13
PODXS 070 Club Valentine Sprint	0000Z-2359Z, Feb 14
NCCC RTTY Sprint	0145Z-0215Z, Feb 15
QRP Fox Hunt	0200Z-0330Z, Feb 15
NCCC Sprint Ladder	0230Z-0300Z, Feb 15
ARRL Inter. DX Contest, CW	0000Z, Feb 16 to 2400Z, Feb 17
SARL Youth Day Sprint	0800Z-1000Z, Feb 16
Russian PSK WW Contest	1200Z, Feb 16 to 1159Z, Feb 17
Feld Hell Sprint	1900Z-2059Z, Feb 17
AWA Amplitude Modulation QSO Party	2300Z, Feb 16 to 2300Z, Feb 17
Run for the Bacon QRP Contest	0200Z-0400Z, Feb 18
QRP Fox Hunt	0200Z-0330Z, Feb 20
Phone Fray	0230Z-0300Z, Feb 20

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 a 15% discount on any size qty of QSL cards.
 Be sure to present your membership card.

CWops Mini-CWT Test	1300Z-1400Z, Feb 20 and 1900Z-2000Z, Feb 20 and 0300Z-0400Z, Feb 21
AGCW Semi-Automatic Key Evening	1900Z-2030Z, Feb 21
NCCC RTTY Sprint	0145Z-0215Z, Feb 22
QRP Fox Hunt	0200Z-0330Z, Feb 22
NCCC Sprint Ladder	0230Z-0300Z, Feb 22
CQ 160-Meter Contest, SSB	2200Z, Feb 22 to 2200Z, Feb 24
REF Contest, SSB	0600Z, Feb 23 to 1800Z, Feb 24
UBA DX Contest, CW	1300Z, Feb 23 to 1300Z, Feb 24
South Carolina QSO Party	1500Z, Feb 23 to 0159Z, Feb 24
NA Collegiate Championship, RTTY	1800Z, Feb 23 to 0559Z, Feb 24
North American QSO Party, RTTY	1800Z, Feb 23 to 0559Z, Feb 24
High Speed Club CW Contest	0900Z-1100Z, Feb 24 and 1500Z-1700Z, Feb 24
SARL Digital Contest	1400Z-1700Z, Feb 24
Classic Exchange, Phone	1400Z, Feb 24 to 0800Z, Feb 25 and 1400Z, Feb 26 to 0800Z, Feb 27
North Carolina QSO Party	1500Z, Feb 24 to 0059Z, Feb 25
SKCC Sprint	0000Z-0200Z, Feb 27
QRP Fox Hunt	0200Z-0330Z, Feb 27
Phone Fray	0230Z-0300Z, Feb 27
CWops Mini-CWT Test	1300Z-1400Z, Feb 27 and 1900Z-2000Z, Feb 27 and 0300Z-0400Z, Feb 28
UKEICC 80m Contest	2000Z-2100Z, Feb 27
RSGB 80m Club Championship, CW	2000Z-2130Z, Feb 28

Into March 2019 ...

NCCC RTTY Sprint	0145Z-0215Z, Mar 1
QRP Fox Hunt	0200Z-0330Z, Mar 1
NCCC Sprint Ladder	0230Z-0300Z, Mar 1
Novice Rig Roundup	0000Z, Mar 2 to 2359Z, Mar 10
ARRL Inter. DX Contest, SSB	0000Z, Mar 2 to 2400Z, Mar 3
Wake-Up! QRP Sprint	0600Z-0629Z, Mar 2 and 0630Z-0659Z, Mar 2 and 0700Z-0729Z, Mar 2 and 0730Z-0800Z, Mar 2
Open Ukraine RTTY Championship	1800Z-2059Z, Mar 2 (Low Band) and 2100Z-2359Z, Mar 2 (Low Band) and 0800Z-1059Z, Mar 3 (High Band) and 1100Z-1359Z, Mar 3 (High Band)
UBA Spring Contest, CW	0700Z-1100Z, Mar 3
SARL Hamnet 40m Simulated Emerg Contest	1200Z-1400Z, Mar 3
NSARA Contest	1200Z-1600Z, Mar 3 and 1800Z-2200Z, Mar 3
RSGB 80m Club Championship, Data	2000Z-2130Z, Mar 4

THE WIRELESS SET No. 52 (CANADIAN) RESTORATION PROJECT

By David VE4DTD

The Canadian Marconi Company in Montreal designed and built the Wireless Set No. 52 Canadian, but the set was not always known by that name.

As the 1930's progressed, it became evident some serious form of World conflict was looming ahead and Canada began an evaluation and upgrade of it's military equipment. Among these items was an order for a number of Wireless Sets No. 9 from England. These were medium range sets intended primarily for Divisional Level Signals communication. They could work in R/T, MCW or CW Mode on a frequency range of 1.875 to 5.0 MHz, with an RF output choice of either 5W or 10W. Range was up to 35 miles.

Canadian Marconi was given the production contract for the Wireless Set No. 9 in 1939 and after sorting out a few North American production requirements, the set entered Canadian service in 1942. The set proved very popular in the field and Marconi's engineers were already at work on improvements that came into being in 1943 with the Wireless Set No. 9 Mk I. This version essentially doubled the range of the earlier set, on the same frequencies and was also very well received in the field by both Canadian and British forces. And the Marconi engineers were still very much busy making more improvements.

By late 1943, Marconi had preproduction versions of their Wireless Set No. 9 Mk II delivered to Canadian and British evaluation teams for acceptance trials. Although the set still looked like the earlier No.9 Sets in general layout, and the basic set in its carrier occupied the same footprint and mounting pattern as the earlier No.9 Sets, the British determined that the improvements were too many and significant to call it a Wireless Set No. 9 Mk II, and they assigned it the new nomenclature of Wireless Set No. 52 Canadian. This undoubtedly created some production ripples for Marconi. The name of the wireless set had to be changed on all documentation, data plates etc., and production serial numbers could no longer continue in sequence from the existing Wireless Set No. 9 numbering system. In spite of all these last minute changes, production commenced near the start of 1944.

The Wireless Set No. 52 Canadian was still a Brigade and Divisional HQ level communications tool, but it now entered the realm of Medium to High Power capability.

In RT Mode, the power output in Watts was LP 2 – 4, MP 15 – 20 and HP 45 – 75. If operating the set in CW Mode, the output in Watts was: LP 2, MP 18 – 30 and in HP 70 – 110. It should be noted, however, the set was never designed for full time continuous High Power Operation. The two dynamotors used in transmission could not handle an extended workload for long

periods and would overheat, tripping built in protectors to shut them down. For this reason, the Sender was equipped with a key lock on the Power Selection Switch that prevented the Sender from being turned to High Power, without first being unlocked. High Power was basically an 'Emergency Mode' used as a last resort to get important messages out.

By the time Canadian Marconi were working on the design of the Wireless Set No. 52, the British Army (and by default the Canadian Army) were starting to realize they did not have enough available frequencies to accommodate the surge in wireless communications that had developed from the start of the war. Marconi addressed this problem by taking the standard 2.0 to 8.0 MC frequency range and expanding it on the 52-Set to 1.75 MC to 16 MC in three bands as follows: 1.75 to 4 MC, 3.5 to 8.0 MC and 7 to 16 MC.

The majority of tubes (valves) used in the Wireless Set No. 52 were Canadian equivalents of the British ARP3 and 12Y4G. The exceptions were in the Sender where only one ARP3 served as the Speech Amplifier. The Power Amplifier was an 813 and all other requirements were filled by the 6V6G.

In the Receiver, all valves were ARP3's except the Detector and AVC, and the Noise Limiter, which were both 12Y4G's and the three 12SC7's used in the built in Crystal Calibrator.

Apart from the two dynamotors in the Main Set Supply Unit that fed the Sender, there was also a removable Vibrator Supply that powered the Receiver. Both the Main Set Supply Unit and the Sender were equipped with Blower Fans to keep them cool while operating. The Receiver Supply was located in the lower right front of the Supply Unit, behind the two headphone clips.

Input Power was 12.5 Volts DC. The Receiver pulled roughly 3 to 6 Amps. In Low and Medium Power, the Sender drew 31 to 35 Amps. In High Power, this jumped to the 45 to 57 Amp Range.

The basic set itself consisted of five separate units: Receiver, Supply Unit, Sender, Coil, Aerial Tuning No. 2A, and the Carrier No. 4, of which the first three items are the complete chassis and are contained within the Carrier No. 4. The Coil, Aerial Tuning No. 2A fastens onto the outside of the Carrier No. 4, either on the top right, or right hand side. And that all weights in at 270 pounds.

Once the Carrier No. 4 is mounted in a vehicle, or on a Wireless Table, the three main components can be independently unbolted from the Carrier and pulled out for servicing. A power bar is fitted to the back of the upper rear of the Carrier No. 4 that holds five rectangular Bakelite plugs. Each plug can accommodate up to eight contacts. At the upper rear of each of the Receiver, Supply Unit and Sender are corresponding sockets

Continued.....

7
that connect with the power bar when each piece is fully slid into the Carrier No. 4. There is one for the Receiver and two each for the Supply Unit and Sender. This arrangement feeds power from the Supply Unit to each of the Receiver and Sender and also allows 'communication. Between all three units for proper sync between them for tuning and power demands between transmit and receive modes.

The Coil, Aerial Tuning No. 2A is the only item of the actual set that is mounted in a wooden case. This is to reduce the risk of either the input conductor from the Sender, or the output transmission line to the Aerial, from coming in contact with any metal edges. These were both unshielded, single conductor cables, which would be only too happy to arc out to any metal touching them, with very disastrous results.

Unlike the venerable 19-Set, operating the Wireless Set No. 52 Canadian, was not to be taken lightly. It had to be turned on in a certain sequence and it was extremely important to sync the Receiver to the Sender correctly before operation. You could fry the set and/or yourself very easily if you did not follow procedures. Having and reading the manual were so important to the proper operation of this set that a metal storage case for the manual is actually fitted to the top left of the Carrier No. 4.

This covers the basic Wireless Set No. 52 Canadian Kit, with the exception of the Remote Receiver and it's Remote Supply Unit.

The Remote Receiver was identical in design to the Main Set Receiver in every way, with the exception of the Data Plate which identified the unit as a Remote Receiver, with it's own part number, and the fact it came in its own steel carry case. The Remote Supply Unit was a direct descendant of it's counterpart for the Wireless Set No. 9 Remote Receiver, differing only in a couple of minor internal design changes. The 52-Set Remote Supply Unit was called a ZE-12 Remote Supply. The one for the Wireless Set No. 9 was the ZE-11 Remote Supply.

These Remote Supply Units were equipped with an 8 foot AC Cord and Line Plug and a Selector Switch allowing use of either 115 Volt or 230 Volt AC Mains. Further, by moving a Selector Plug to the appropriate Socket, one could change from an AC Power Input to a 12 Volt DC Input. The various switches would direct power through either the Vibrator section for DC operation, or OZ4A circuits for AC operation. Weight of the Remote Receiver was 45 pounds and the Remote Supply Unit another 26 pounds.

In truth, the Wireless Set No. 52 Canadian does not stop with just the aforementioned items, 12 Kits in total made up a fully operational Station. These were numbered as follows:

- 1 Set Kit
 - 2 Operating Kit
 - 3 Remote Control & Ground Station Kit
 - 4 Vertical Aerial Kit
- 7

- 5 Remote Receiver Kit
- 6 Tent Kit
- 7 Set Battery Kit
- 8 Set Battery Kit
- 9 Set Battery Kit
- 10 Set Battery Kit
- 11 Remote Receiver Battery Kit
- 12 Remote Receiver Battery Kit

Kits 1 to 6 inclusive were a complete Vehicle or Ground Installation. The remaining kits were variously rated Storage Cell Batteries, rated either in differing Amp Hours Output or Operating Temperature Conditions.

Kit 3 included a pair of Wireless Remote Control Units No. 1 and a Cable Reel needed to set them up, along with a Chorehorse and Switchboard, Charging No. C5.

Kit 4 included the 34 foot and 20 foot telescopic steel aerial masts with all their support kit. Interestingly, the large set of horizontal aerial reels that were used with the Wireless Set No. 19, were not used with the 52-Set. A single four section horizontal aerial was supplied. You changed operating frequencies by disconnecting one or more sections of the horizontal aerial.

I first ran across a Coil, Aerial Tuning No. 2A for the 52-Set in the 1970's but was so focused on 19-Sets at that time, I did nothing with it for years and eventually gave it away. About a year ago, I was bitten by the 52-Set Bug. After giving it some thought, I decided to try and find all the necessary pieces to get a basic Wireless Set No. 52 back up and running and on the air (with any luck). I had already constructed a 134 dipole aerial for my 19-Sets and so really had no valid excuses not to try and take on the project.

Currently, I have found a Main Set Receiver, a Remote Receiver with it's Remote Supply and a spare receiver for parts as required. In addition, I have located another Coil, Aerial Tuning No. 2A. The Remote Supply Unit is now back up and running correctly and I have the Remote Receiver back up and running to the point where I need to test all the valves before proceeding further. The Main Set Receiver is not too far behind and I hope to get it to the same point at the Remote Receiver sometime this Winter, or Spring.

Continued...

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

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

A side project is to build a British Valve Adapter to use with my Precision Model 614 Tube Tester so I can make certain all valves in use with the receivers are in good working order, before moving on with the restoration.

If anyone happens to have a Main Set Supply Unit, Sender or Carrier No. 4 in good condition sitting gathering dust, please let me know. They will find a good home with this project.

I have added photos, with comments, of the various 52-Set components, which hopefully will help make sense of it all. If you have any questions, please do not hesitate to contact me.

73

David VE4DTD

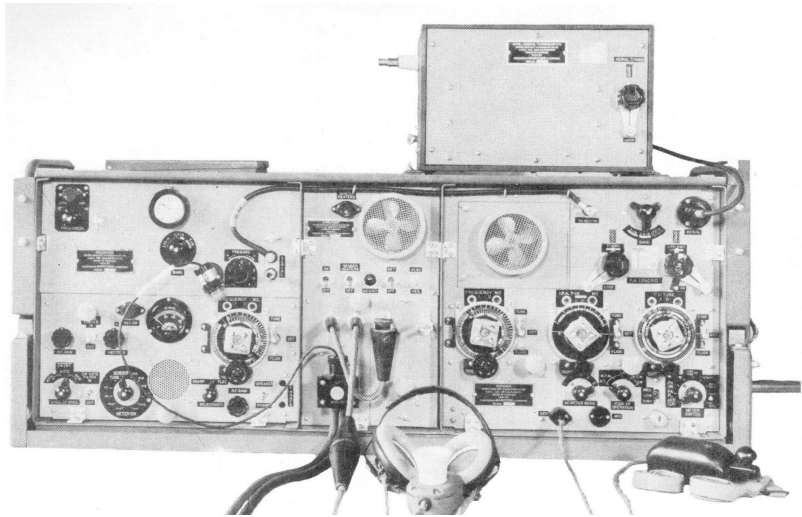
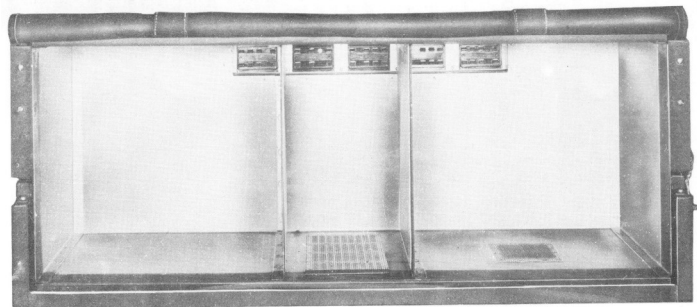


Photo 1 shows the complete main 52-Set installed in its Carrier No. 4 with some accessories fitted.

Photo 2 shows the empty Carrier No. 4 Assembly.



Note the large screened ventilation hole for the Supply Unit and the smaller one in the right side Sender compartment. The bank of Bakelite connectors can be readily seen along the upper rear of the Carrier No. 4 and in this photo, the canvas front cover is rolled up in its 'stored' position across the top of the Carrier No. 4.

Photo 3 shows all the main parts of the complete 52-Set station all laid out.

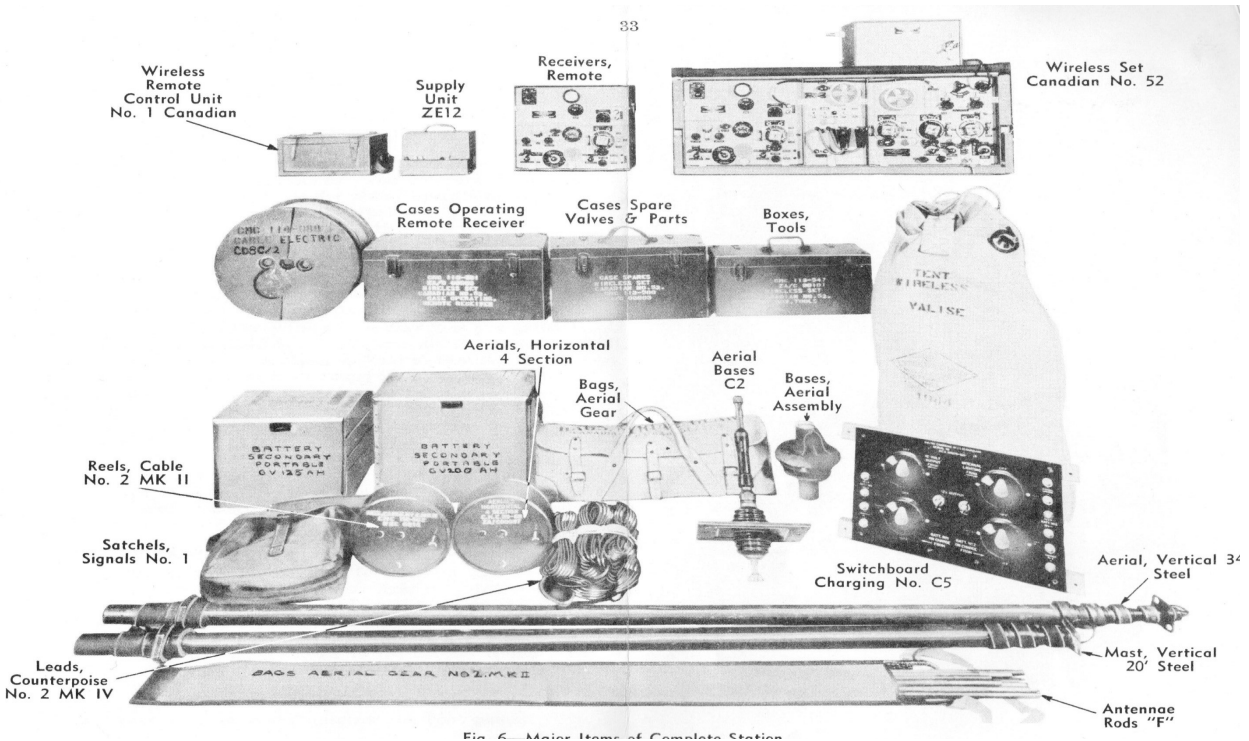


Fig. 6. Main Items of Complete Station

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

**MRS Memberships Expired on December 31
You Can Renew Today On-Line**

The Winnipeg Seniors Citizens Radio club (VE4WSC)

Is open Saturdays 9:30 AM - 2:00 PM

The club is also open Monday – Friday from 10:00am – 2:00pm (could be earlier; could be later)

Members and Non-members (visitors & guests) are invited to come down and use the facilities and the radios. Have a coffee and talk with your fellow hams.

There is free Wi-Fi, a television (local digital), North America telephone calling, a work shop with some tools and test equipment and of course HF, VHF & UHF radios waiting for an operator.

Anyone who wants to start a group project is encouraged to contact the WSC executive and schedule the event so that we are not double booking the facilities.

The current calendar of events is on the VE4WSC web site - <http://www.ve4wsc.ampr.org/>

Free parking as long as you are either behind the build or along the fence, as long as you directly behind and

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)

within the edges of the building you are ok to park. Sign in upstairs and record your plate number. Parking is also available on the street (check signs for hours).

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