

The VMARS Equipment Directory – Part 7

Richard Hankins G7RVI

The Canadian VRL receiver

Type:	Single superhet communications receiver
Frequency Range:	1.4MHz to 28 MHz in 4 bands
Modes:	CW, MCW and AM R/T
Power requirements:	115V AC 50/60Hz into a separate PSU
Sensitivity:	3 μ V input for 50mW output (up to 14.5MHz)
Selectivity:	6kHz at -6dB; 35kHz at -36dB
Image response:	80dB at 1.6MHz; 43dB at 13.5MHz
Size (set and psu):	21" high x 20" wide x 15" deep
Weight:	103 lbs
Intermediate freq:	455kHz
Calibrator:	1MHz, 100kHz and 10kHz points.
Lineup:	2 x RF amplifiers (6K7 then 6L7), mixer (6K8), LO (6SJ7), 3 x IF amplifiers (2x6K7 then 6L7), detector (6H6), AVC amp (6K8), AVC rectifier & NL (6H6), BFO (6J7), AF amp (6SF5), AF output (6K6GT), rectifier (80), stabiliser (VR150-30), tuning indicator (6U5), cal osc (6K6GT), cal multivibrator (6C8GT), cal output (6K7).

Notes: This receiver was produced by the Vancouver Radio Laboratories (hence "VRL") and was notably used with the Canadian WS43 of WWII vintage, as well as general usage as a communications receiver. Alan Morriss reports its performance as excellent on 80m.



This is Alan Morriss, G4GEN's, VRL, much used recently on the VMARS 80m net. The set itself is in the lower two thirds of the cabinet, with the calibrator, psu and speaker at the top.