

# A “Simple AM Transmitter” Competition - NZVRS AGM 2017

The NZVRS would like to hold an open competition for “A Simple AM Transmitter” designed and constructed by members, to be held at the 2017 NZVRS AGM in July in Auckland. The simple transmitter should be capable of sending a modulated AM signal into the Broadcast Band generally for the purpose of enabling a suitable audio programme to be broadcast for vintage radios. Audio input material will be provided by the judges from an 8, 600 or 1k Ohm source. The transmitter is expected to broadcast on approximately 1 MHz for example 1,008kHz with a low level (less than 0.5 watt erp) signal. This competition is open to all financial members who may submit up to two (2) entries each and the overall winning entry will be determined by judging the entries against the general criteria outlined below. The judges (at their sole discretion) may also allocate “Certificates of Merit” recognizing any special attributes such as the most innovative, the smallest, the largest, the most vintage looking, the simplest, the most complex etc to those entries deemed worthy of such an award.

The entry requirements are; that the device be made by a financial member, be self contained (but may have a separate power supply unit), have brief instructions and/or explanations of use and operation (with a sketch of the controls if necessary), a sketch of the circuit, have their own power supplies where required (although this will not be judged), be anonymous (ie no makers names), have an output power of less than 0.5 watt and to be received at the venue before 11 am on the morning of the AGM. Out of town members are especially invited to submit entries – either via a nominated sponsor or sent to the secretary. The following judging points may be used as a guide to determine the winner or allocation of awards, but these are entirely at the judges’ prerogative;

<b>Design</b>	<ul style="list-style-type: none"> <li>○ Overall design (technique fit for purpose)</li> <li>○ Authenticity and any innovation demonstrated.</li> <li>○ Elegance in design techniques</li> <li>○ Degree of simplicity or complexity (not always an advantage)</li> <li>○ Adaptation of technology</li> </ul>	25
<b>Construction</b>	<ul style="list-style-type: none"> <li>○ Construction techniques employed</li> <li>○ General look and eye appeal (eg simplicity and elegance)</li> <li>○ Execution skills and aesthetics</li> <li>○ Interesting componentry and materials</li> <li>○ Degree of difficulty</li> </ul>	25
<b>Performance</b>	<ul style="list-style-type: none"> <li>○ Device performance (including any relevant factors such as excessive power, distortion and stability).</li> <li>○ Ease and simplicity of operation</li> <li>○ Be safe in working practice</li> </ul>	25
<b>Additional items</b>	<ul style="list-style-type: none"> <li>○ Inventiveness</li> <li>○ Novelty value</li> <li>○ Originality</li> <li>○ Merits of supporting documentation</li> <li>○ Vintage look (if appropriate)</li> <li>○ Size</li> <li>○ Attractiveness</li> <li>○ Exceptional features</li> <li>○ Additional point for using the Club’s VR100 / 6U7 vales</li> <li>○ Judge’s choice</li> </ul>	25
	Total points	100

**PLEASE NOTE:**

1. Closing time for the competition is at 11 am on the day of the 2017 AGM at the AGM venue, 990 Great North Rd, Western Springs, Auckland.
2. The supporting instructions, sketch of controls, any circuit and descriptive text will be used only to determine the judging criteria. The ‘printed quality’ of the instructions will not be directly judged however their merit (clarity, simplicity etc) may well be worth a bonus point.
3. The “testing” of the device will be entirely at the discretion of the judges and limited to their range of available instruments.
4. Any submitter’s identification will be coded, obscured or otherwise deleted from the judges’ copy.
5. Members are welcome to submit up to two entries each.
6. The overall winner gets a free NZVRS subscription for the following year.
7. Any award of merit or recognition in any category is totally optional and at the sole discretion of the judges.
8. The judges’ decisions on the day are final and binding, no correspondence or justifications will be entered into.

Good luck to all participants.