

"Bonnie Black Bess," who evidently carried Dick Turpin somewhere and then died—(Bess, not Dick). Then a boy who, according to his mamma has been told by hundreds to "try the wireless." His turn would indeed "try" listeners in.

One impression that remained is that of a girl who stood up and sang, a little nervously, of "Love's Garden of Roses." In her one could visualise how she'd dreamed and lain awake at nights, for weeks, hearing her name in the lips of all Australia—a real radio star. As the last note dies, she gazes tremulously at the window, to the musical director, and by her look, her dreams seem broken, beyond repair.

But no one who has attended a trial at 3LO, Melbourne, can complain of unfair treatment. It surpasses me how the musical director never seems to be exhausted. He said to me as I departed, "There is always the glamour of the unexpected." Glamour or no glamour, I think I'd just be an ordinary citizen and listen-in to those who have passed successfully at 3LO Melbourne.

TESTS WHICH PROVE RADION IS THE SUPREME INSULATION.

Radion excels in the five most important characteristics required of an insulating material—low angle phase difference, low dielectric constant, high resistivity, lowest absorption of moisture and lowest power factor loss.

As a result of exhaustive tests made upon specimens of Radion and twelve other standard materials offered as insulation in the radio industry in America conducted by the New York Electrical Testing Laboratories in co-operation with the United States Bureau of Standards, proved Radion to be the best material for radio use made.

No other radio material in the world can show anyway near the tests as shown below:

- (1) Radion has the lowest angle phase difference 0.5 to 0.6
Phenolic Materials . . 2.0 to 3.7
- (2) Radion has the lowest dielectric constant 3.9
Phenolic Materials . . 5.8 to 7.4
- (3) Radion has the highest resistivity (megohms-cm) 1.0×10^8

- Phenolic Materials 1.4×10^4 to 2.2×10^6 .
- (4) Radion has the lowest absorption of moisture. In air, .005% to .02% in water, .08% to .11%.

- Phenolic Materials: In air, .28% to .49%; in water, 1.42% to 7.81%.
- (5) Radion has the lowest power factor loss: .875% to 1.05%.



150 American stations logged by Tasmanian amateur using Weco valves

EXTRACT from a letter dated April 21, 1925, sent to Western Electric Coy. Ltd., London, by Mr. W. A. Smith, 37 Cascade Road, Hobart.

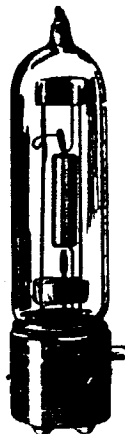
"I am writing to you for the purpose of bringing before your notice some very interesting experiences I have had with a couple of your Weco valves (white spots).

I purchased these two little valves about six months ago to build a portable low loss receiver. This consisted of detector and one-step audio frequency amplification, and I received all Australian and New Zealand experimenters working below 100 metres at loud speaker strength on a small loud speaker. Also, with phones, about 150 American Amateur Stations have been logged (between 70 and 90 metres).

American Broadcasting Station K.D.K.A. 63 metres quite a fair strength on small speaker. This set has been worked under all conditions. On the top of Mt. Wellington, 1466 ft. above sea level, these valves gave us some very fine results, Australian and American stations being received again, three pairs of phones being used. While on the mountain a heavy fog or mist came over and not having any cover for ourselves or the set, we decided to continue experiments and note the effect moisture had on signal strength, the set, etc. Well, signal strength dropped considerably, but the valves oscillated freely while the induction coils were quite wet. I think, sir, this is quite a severe test and speaks highly for the Weco.

Another test is that of robustness and after trying hard I am satisfied that these little tubes are very nigh unbreakable. On one occasion I placed them in my coat pocket and a little later forgetting they were in my coat took the coat out and shook it well. Remembering valves were in the pocket I at once tested them and found them to be quite undamaged.

On another occasion a friend of mine was helping me test some transmitting circuits and chokes and in rushing along the test bench to reach the ammeter knocked the set containing these doomed valves on to the floor, a drop of 3 ft. 6 ins. Well a few remarks passed between us and my friend offered to stand the expense. 'Anyway,' I said 'we'll test them in case one is alright.' 'Not worth your while,' replied my friend. However, I tested them and found them both to be O.K. to my great surprise, and I think this wonderful for valves and it speaks well for the makers."



REDUCED PRICE

WECO VALVES are now available from regular radio dealers, at

17/6

Western Electric Company
(Australia) Ltd.

192-4 Castlereagh Street, SYDNEY. Phone: City 336 and 356.
And 588 Bourke St., MELBOURNE. Phone: Cent. 8336 and 8949.

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