

The "Eagle Five"

(Continued from page 17.)

ing and fixed vanes are certain to short through it.

Conclusion.

IF the constructor carefully assembles and wires up this receiver—and there is nothing very difficult in doing this—we are confident that it will give him no trouble whatever.

With regard to its capabilities. We first tested this set between 11.0 and 12.0 p.m. one evening, and in that time no less than 24 Australians were heard on the loudspeaker at strengths varying from R4 to R9. This, and other tests, convinced us that for dx work there is very little to choose between this receiver and the "Outspan Five"—one of the most popular sets we have described. This statement, combined with the fact that the "Eagle Five" may be built, including the valves, at a cost not exceeding £8/10/—an unusually low price for such a set—makes this receiver one which every constructor will want to build.

Laboratory Jottings

Simplex Condensers

A NEW line of fixed condensers has been introduced by Standard Telephone and Cables, and several of these have been tested in our laboratory. The main features about the new condensers are a still greater reduction in size and an improvement in their capabilities to withstand high voltages. Another factor which set

		Upon Delivery.	
		M.F. Megohms	
2 M.F.	1.9	3000	
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1 M.F.	0.91	4220	
0.5 M.F.	0.50	6330	
0.1 M.F.	0.09	7600	

constructors will appreciate is that they are cheaper than their predecessors.

It will be remembered that Standard Telephones and Cables some time ago introduced a condenser which was considerably smaller than the average fixed condenser on the market. This was made possible by the use of an improved dielectric, and the new Standard being smaller, should find great favour with constructors.

Our tests were for capacity and insulation, and all condensers withstood the testing voltages of a thousand volts d.c. applied from 3 to 5 minutes, and upon testing for capacity showed

no appreciable alteration. A condenser was immersed in water for five hours and again tested, but there was no change in insulation or of capacity.

Tested on a.c. to ascertain at what voltage a condenser would actually break down, we found that after 750 volts a.c. had been applied for two hours, the insulation failed. This is rather remarkable, as a condenser of this rating should have gone long before this. Our general conclusion is that the "Simplex" Standard Condensers are entirely satisfactory. They carry our recommendation.

	During 4 days.	During 12 days.
	M.F. Megohms	M.F. Megohms
1.9	2920	1.9 2846
1.9	2846	1.9 2533
1.9	2642	1.9 2533
0.94	4200	0.97 4000
0.52	6300	0.52 6000
0.09	7000	0.09 3600

THE following figures have been taken from the report of the International Telephone Laboratories. They indicate the resistance of the condenser upon delivery and after having been stored at 80 per cent. humidity for four days and for twelve. The figures indicate the state of affairs after 1000 volts d.c. had been applied for 3 minutes:—

The standard requirements of the Telephone Laboratories for condensers upon delivery are:

2 MF min	100 megohm
1 " "	200 "
0.5 " "	400 "
0.1 " "	2000 "

The Melodies of Brahms

(Continued from page 1.)

the good fortune to become a pupil of Teresa Carreno, then acknowledged by Continental critics as the greatest living woman pianist. Many music lovers still remember Carreno's triumphant tours through New Zealand, though it is many years since she gave her farewell recital in this Dominion. Mr. Short was also privileged to attend the artists' class held twice a week by the great Hungarian pianist, Ernst Dohnanyi, by special permission of the director of the world-famous Berlin Hochschule. It may be noted here that Mischa Levitzki, whose superb playing enthralled many audiences throughout the Dominion a few months ago, graduated from this class.

After the death of Teresa Carreno Mr. Short continued his studies with Josef Weiss, the greatest of present-day Hungarian pianists, and a favourite pupil of the great Liszt. Josef Weiss was the first pianist in Europe to give complete programmes of compositions by Brahms, and Mr. Short seized the

opportunity to make a special study of the works by this composer.

Always in the promotion of his art, Mr. Short has resided at various times in London, Berlin, Paris, Vienna, and New York, frequently in close association with many of the world's most eminent artists. Before the war he became in Berlin a busy teacher of the Carreno system of muscular relaxation. He has played with marked success in different European countries, while throughout the Dominion he will be remembered as pianist to the Notariello Concert Company which toured New Zealand about ten years ago under the management of Messrs. J. and N. Tait.

Mr. Short's concert work has everywhere earned the highest praise of the critics. In the arena of public service he has given lecture recitals at many of the leading schools and colleges in the North Island, while in Wellington his name has been prominently associated with many brilliantly successful recitals.

N.Z. Short-wave Club

Secretarial Notes

OWING to lack of notice I regret that two leading lights of the club could not be included in the deputation to the Postmaster-General, namely, Messrs. Roy Clarke (ZL2AW) and E. Hackett. Those present were the president, Mr. F. W. Sellens, Mr. H. E. Evans, and myself. We were very well received and our request for club notes to be broadcasted will receive consideration.

I recently received a very favourable reply from the Prime Minister re a suggestion for publicity, and, shortly, I hope to be able to place details before members.

A number of letters still come to hand asking for information from beginners. I am only too pleased to reply, and, if a 2d stamp is enclosed, I will forward some club information.

It is most likely that the next Wellington meeting will be held early in December.

It has been suggested by our Auckland representative, Mr. L. Saunders, that club members in various places hold "Field Days"—that is, take sets out in the open and see what results are like. That is a good idea, but, of course, permission would have to be obtained from the radio inspector to remove the set.

As most of the members will be going to other places this Christmas, I would like those desiring members' addresses in various places to write in as early as possible, otherwise, with overtime, etc., letters may be delayed.

Any letters addressed A. B. McDonagh, Secretary, New Zealand Short Wave Club, Wellington, New Zealand, will always find me.

P.S.—A letter came to hand recently addressed: "N.Z. Short Wave Club, Wellington."

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