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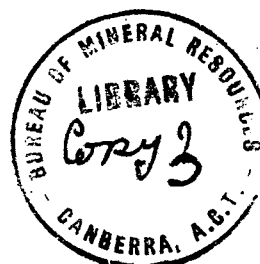
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MICROPALAEONTOLOGICAL EXAMINATION OF TWO SAMPLES FROM THE
JOINT COAL BOARD BORE, CAMBERWELL, NEAR SINGLETON,
NEW SOUTH WALES.

by

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The two samples submitted for micropalaeontological examination, came from the depths of 290 feet and 320 feet respectively. They consisted of hard, dark grey, carbonaceous shale. Crushings of the rocks yielded a small assemblage of arenaceous foraminifera and pyritic casts of ostracoda of Permian age. A list of the forms in each sample is as follows:

<u>290 feet.</u>	Foraminifera -	<u>Hyperamminoides acicula</u> Parr
	Ostracoda -	<u>Microkellinella aequivalvis</u> (Crespin) cf. <u>Silenites grayi</u> (Crespin)
<u>320 feet.</u>	Ostracoda -	<u>Microkellinella aequivalvis</u> (Crespin) Intermediate pyritic casts

A similar assemblage of foraminifera and ostracoda was present in the Kulnura Bore near Wyong between the depths of 4,810 feet and 4,985 feet. Microfossils of Permian age were found in that bore between the depths of 3,778 feet and 6,120 feet, and they were referred to the Upper Marine Series.

The horizon at which the microfossils occurred in the bore at Camberwell is most probably equivalent in age to the Branxton Stage of the Upper Marine Series. It is also most probably similar to that present in the Ravensworth Bore between the depths of 1351 feet and 1441 feet.
