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COMMONWEALTH OF AUSTRALIA.

DEPARTMENT OF SUPPLY AND SHIPPING.
BUREAU OF MINERAL RESOURCES
GEOLOGY AND GEOPHYSICS.

REPORT No1948/5.

MICROPALAEONTOLOGICAL EXAMINATION OF SAMPLES
FROM BORE No. 3954 ON THE PROPERTY OF MRS. D. McLEISH
"THURN", QUAMBONE ROAD, COONAMBLE,
NORTHERN NEW SOUTH WALES.

by

I. Crespin.

Commonwealth Palaeontologist.

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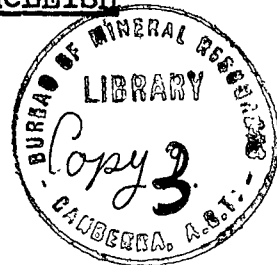
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"THURN", QUAMBONE ROAD, COONAMBLE,

NORTH NEW SOUTH WALES.

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Report No. 1948/5.



- 0 - 21 feet : Reddish to whitish sandstone.
- 71 feet : Coarse sandstone with limonitic particles.
- 111 - 198 feet : Ochreous to whitish sandstone. Consisting of fine angular quartz grains.
- 219 feet : Dark to light grey, carbonaceous shale.
- 269 feet : Brownish grey carbonaceous shale.
- 319-519 feet : Grey to fawnish carbonaceous shale.
- 569-619 feet : Grey carbonaceous shale pyrites and fragments of black limestone.
- 648-668 feet : Dark fawnish calcareous shale apparently included in grey calcareous sandstone containing carbonaceous remains.
- 718 feet : Dark grey to brownish carbonaceous shale and calcareous shale.
- 818-1018 Feet : Coaly particles and pale grey carbonaceous shale.
- 1072 feet : Fine grey shale.
- 1092 feet : Quartz sand.
- 1105 feet : Fine grey shale.
- 1115 feet : Coal.
- 1117 feet : Quartz sand.
- 1156 feet : Quartz sand and shale particles.
- 1161 feet : Quartz sand.
- 1231 feet : Quartz sand and fragments of light grey carbonaceous and micaceous shale.
- 1281 feet : Coarse angular quartz grains.
- 1331 feet : Black carbonaceous shale, fine particles of grey shale and quartz grains.
- 1381 feet : Dark grey carbonaceous shale.
- 1409-2035 feet : Coarse and fine quartz sand.
- 2082 feet : Coal (Düller notes coal seam).
- 2087-2092 feet : Quartz sand.
- 2120 feet : Hard grey sandstone.
- 2120-2130 feet : Hard grey shale.

NOTES ON THE SAMPLES.

The samples examined from Bore No. 3954, were taken from the surface down to the depth of 2130 feet.

No micro-fossils are present to indicate a definite age of the bed. The samples from the surface down to 1,018 feet are chiefly carbonaceous shales, which are typical of the Lower Cretaceous deposits in other bores in the Great Artesian Basin in

Northern New South Wales.

Coal is recorded at 1,115 feet and at 2,012 feet. Those shallow seams are intercalated between thick beds of quartz sands and may be Jurassic in age.

Similar unfossiliferous beds were recorded from Bore No. 3805 on the property of Mrs. F.F. Bennett, "Muttama", Quambone, about 10 miles south-west of Bore No. 3954 on Mrs. McLeish's property, "Thurn", in which samples from the depth of 17 feet down to 1,984 feet were examined. Quartz sands occurred from the depth of 1,025 feet down to the basin of the bore at 1,984 feet.

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