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MICROPALAEONTOLOGICAL EXAMINATION OF SAMPLES FROM THE ADELAIDE CEMENT
COMPANY'S BORE AT KLEIN POINT, YORKE PENINSULAR, SOUTH AUSTRALIA

by

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MICROPALAEONTOLOGICAL EXAMINATION OF SAMPLES FROM THE
ADELAIDE CEMENT COMPANY'S BORE AT KLEIN POINT,
YORKE PENINSULAR, SOUTH AUSTRALIA.

Report 1948/8.

10 feet. Cream coloured, calcareous, travertinous sandstone with a few poorly preserved bryozoa.

Bryozoa: Crisia sp.

25 feet. Hard, pinkish, crystalline, bryozoal limestone.

46 feet. Reddish, bryozoal limestone with poorly preserved foraminifera and bryozoa.

Foraminifera: Gaudryina rugosa, Bolivina victoriana, Uvigerinella sp., Sigmoidella elegantissima, Lenticulina sp., Eponides repandus, E. concentricus, Cibicides cf. margaritiferus, C. refulgens, C. victoriensis, Discorbis sp.

91 feet 6 inches. Whitish bryozoal limestone, with numerous fine angular quartz grains and small foraminifera.

Foraminifera: Uvigerinella sp., Lagena globosa, Guttulina irregularis, Planularia sp., Planorbulina mediterraneensis, Gypsina globulus, Cibicides sp.2, C. lobatulus, C. refulgens, Anomalina nonionoides, A. glabrata, Discorbis turbo, D. globularis, D. sp., Heronallenia wilsoni, Discorbinella biconcavus, Calcarina sp., Sherbonina atkinsoni, Elphidium sp.

101 feet 6 inches. Cream bryozoal limestone with numerous fine angular quartz grains, small foraminifera, fragments of pelecypoda (Chlamys sp.) and ostracoda.

Foraminifera: Cibicides refulgens, C. sp., Heronallenia wilsoni, cf. Baggina, Anomalina glabrata, Discorbis pileolus, Calcarina sp., cf. Mississippina, Elphidium howchini.

Ostracoda: Bairdia sp., Cythere sp.

Notes on the samples.

The sample taken at 10 feet is a travertinous sandstone which forms a covering over the marine deposits throughout South Australia and is Pleistocene to Recent in age.

From 25 feet down to 101 feet 6 inches, the rocks are bryozoal limestones and are of Middle Miocene age. The reddish to pinkish limestones at 25 feet and 46 feet are similar to the bryozoal limestones which outcrop near Edithburg and may be the equivalents of the bryozoal limestones in the Aldinga limestone south of Adelaide.

The limestones at 91 feet 6 inches and 101 feet 6 inches can be correlated with the lower portion of the Aldinga section, the typical foraminiferal species being Sherbonina atkinsoni which is fairly common at 91 feet 6 inches.


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