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COMMONWEALTH OF AUSTRALIA

DEPARTMENT OF NATIONAL DEVELOPMENT
BUREAU OF MINERAL RESOURCES
GEOLOGY AND GEOPHYSICS

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MICROPALAEONTOLOGICAL EXAMINATION OF SAMPLES FROM NO. 8 BORE, ON
THE WARATAH GYPSUM LEASES, PENONG, NORTH OF THE EASTERN SHORES
OF FOWLER'S BAY, SOUTH AUSTRALIA

by

I. Crespin

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EASTERN SHORES OF FOWLER'S BAY, SOUTH AUSTRALIA.

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19-20 feet. Chiefly fragments of gypsum, with poorly preserved foraminifera at 19 feet-19 feet 6 inches, and occasional thin shelled gasteropoda.

Foraminifera: Streblus beccarii.

20-22 feet. Chiefly gypsum with fragments of grey marl, numerous buff coloured rounded marly bodies, poorly preserved foraminifera and thin shelled gasteropoda.

Foraminifera: cf. Streblus beccarii, Elphidium argenteum, E. crispum, E. sp.

22-31 feet. Greyish calcareous sandstone, a little gypsum, foraminifera and ostracoda.

Foraminifera: Quinqueloculina vulgaris, Q. subpolygona, Q. ammonilla, Sigmoilina australis, S. schum-bergeri, Triloculina striatotriconula, T. tricarinata, Reussia armata, Marginopora vertebralis, Peneroplis planatus, Discorbis dimidiata, D. opercularis, D. cyclo-clypeus, D. globularis, D. turbo, D. acervulinoides, Cibicides refulgens, Elphidium crispum, E. rotatum, E. cf. adalaidensis (juv.), E. sp.

Ostracoda: Bairdia subdeltoidea.

31-40 feet. Whitish calcareous sandstone with a few foraminifera and mollusca but no gypsum.

Foraminifera: Triloculina trigonula, Marginopora vertebralis, E. cf. adalaidensis (juv.).

40-50 feet. Greyish sheely calcareous sandstone with very worn foraminifera.

Foraminifera: Discorbis dimidiata, Marginopora vertebralis, Elphidium crispum, E. rotatum.

Notes on the Samples.

The samples from 19 feet down to 22 feet in No. 8 Bore, Penong, which consist almost entirely of gypsum, are considered to be Subrecent in age, and those from 22 feet down to 50 feet, Pleistocene in age. These lower samples indicate comparatively warm, shallow water conditions and can be correlated with those from 27 feet 6 inches down to 62 feet in Bore L.O. Penong.

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