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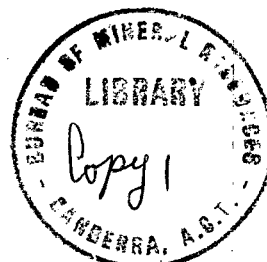
COMMONWEALTH OF AUSTRALIA.

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

REPORT No. 1948/26

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MICROPALAEONTOLOGICAL EXAMINATION OF SAMPLES FROM
E. MILES BORE (WI/2/3) - COVE PRE PURCHASE, PARISH
OF DINYARRAK, COUNTY OF LOWAN, VICTORIA.

by

I. Crespin
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MICROPALAEONTOLOGICAL EXAMINATION OF SAMPLES
FROM E. MILES BORE (WI/2/3) - COVE PRE PURCHASE
PARISH OF DINYARRAK, COUNTY OF LONAN, VICTORIA.

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- 0-15 feet. No sample.
- 15-65 feet. Yellowish to ochreous sandstone with fine angular grains of quartz. No fossils.
- 65-87 feet. Coarse ochreous sandstone, with fine angular to coarse, rounded quartz grains. No fossils.
- 87-93 feet. Ochreous, fine grained micaceous sandstone. No fossils.
- 93-131 Feet. No samples.
- 131-133 feet. Fragments of grey flinty limestone containing foraminifera and bryozoa indeterminate. Also fragment of ochreous sandstone.
- 133-150 feet. Whitish bryozoal limestone with fragments of flinty rock and poorly preserved foraminifera, and ostracoda.

Foraminifera: Bolivina victoriana, Cassidulina subglobosa, Ehrenbergina serrata, Guttulina irregularis, G. problema, Globigerinoides trilobus, Globigerina bulloides, Globorotalia dehiscens, Siphonina australis, Eponides scabriculus, E. repandus, E. concentricus, Cibicides sp. 2, Elphidium crassatum, Crespinella umbonifera, Amphistegina lessonii, Operculina victoriensis.

Ostracoda: Bairdia amygdaloides, Cytheropteron batesfordiense.

- 150-210 feet. Green coloured, bryozoal limestone with poorly preserved foraminifera and bryozoa.

Foraminifera: Textularia sp., Fronicularia sp. nov., Sigmomorphina subregularis, Sigmoidella elegantissima, Carpenteria rotaliformis, Gypsina howchini, Discorbis balcombensis, Elphidium parri, Crespinella umbonifera, Amphistegina lessonii, Operculina victoriensis (c).

- 210-250 feet. Whitish bryozoal limestone with foraminifera.

Foraminifera: Guttulina (Sigmoidina) silvestrii, Sigmoidella elegantissima, S. kagaensis, Sigmomorphina subregularis, Carpenteria rotaliformis, Calcarina verriculata, Elphidium crassatum, E. chapmani, Crespinella umbonifera, Amphistegina lessonii, Operculina victoriensis.

STRATIGRAPHIC NOTES ON THE SAMPLES.

Eleven samples from 15 feet down to 250 feet were submitted for micropalaeontological examination from E. Miles Bore, Parish of Dinyarrak, County of Lonan which forms part of the Wimmera area.

The following stratigraphic horizons were present in the bores:

Recent to Pleistocene - Surface down to 93 feet.

Middle Miocene (Balcombian Stage) - 131 feet down to 250 feet

Ninety-three feet of unfossiliferous sandstones covered the marine Tertiary deposits in this bore.

The first fossiliferous sample was met with at 131 feet and it has been referred to the Middle Miocene. It consisted of bryozoal limestone and fragments of flinty limestone, similar material being encountered in Campbell's Bore from 718 feet down to 851 feet. Bryozoal limestones continued down to 250 feet. They contained a foraminiferal assemblage characteristic of the Balcombian stage. The upper portion of the stage with Austrotrillina howchini and Marginopora vertebralis was absent, but the lower part with Crespinella umbonifera and Operculina victoriensis was well represented.

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31st May, 1948.
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