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Micropalaeontological examination of samples
from Bore No. 3684 on the property of P.A. McGirr,
Lauradale, Bourke, Northern N.S.W.

by

I. Crespin

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Mineral Resources Survey,
CANBERRA, A.C.T.
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MICROPALAEONTOLOGICAL EXAMINATION OF SAMPLES
FROM BORE NO. 3864 ON THE PROPERTY OF P.A. MCGIRR, LAURADALE,
BOURKE, NORTHERN NEW SOUTH WALES.

Report No. 1945/36.

50 feet - Whitish chalky rock with some ironstaining.

200-300 feet - Greenish brown carbonaceous sandstone with glauconite.

350-400 feet - Greenish grey, carbonaceous sandstone and shale, with glauconite and foraminifera (Haplophragmoides spp., Ammobaculites sp., cf. Flabellamina, Marginulina bullata, Planulina cretacea).

500-550 feet - Ditto, but no foraminifera present.

650-800 feet - Grey carbonaceous shale, with foraminifera (Haplophragmoides sp., Ammobaculites sp., Dorothia bullata (c), Trochammina parvula, T. raggatti, Lenticulina gunderbookaensis, L. sp., Anomalina rubiginosa, Planulina cretacea) and radiolaria (at 750 feet).

850-900 feet - Green glauconitic, carbonaceous sandstone, with foraminifera (Ammobaculites sp., Haplophragmoides sp., Lenticulina gunderbookaensis, Saracenaria sp., Eponides sp., Planulina cretacea).

950-1000 feet - Dark greenish grey, carbonaceous sandstone with foraminifera (Ammobaculites sp., Trochammina parvula, Marginulina sp., Lenticulina cf. gunderbookaensis, L. sp., L. grata, Planulina cretacea), ostracod indeterminate and fragments of pelecypoda.

The series of samples examined from Bore No. 3864 on P.A. McGirr's property near Bourke is from 50 feet down to 1000 feet.

From 200 feet down to the last sample at 1000 feet the sediments consist of greenish to gray carbonaceous shales and sandstones, typical of the Lower Cretaceous deposits found in the bore sections in the Great Artesian Basin. A micro-fauna is present and consists of foraminifera referable to Lower Cretaceous forms, as well as a few radiolaria, fragments of pelecypoda and ostracoda.

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