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REPORT No. 1947/76.

PRELIMINARY NOTES ON ROCK SAMPLES FROM
THE NORTHERN FLINDERS RANGE AREA.

by

I. Crespin.

Commonwealth Palaeontologist.

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Report No. 1947/76.

A preliminary micropalaeontological examination has been made of some of the samples submitted by the Frome - Broken Hill Co. Pty. Ltd., on November 3rd, 1947, from the Northern Flinders Range area with the view to giving assistance to the reconnaissance work now in progress.

The samples examined are Nos. 67, 70, 102, 113, 114, 115, 116, 118, 122 and 125.

All these samples contain microfossils which are represented by arenaceous and hyaline foraminifera and ostracoda. The arenaceous foraminifera occur in the buff coloured and limonitic shales of Nos. 67, 70, 102, 113, 114, 115, 116 and 122. They are common in some of the samples but are generally poorly preserved and crushed. The hyaline forms and the ostracoda are restricted to the grey carbonaceous shales of Nos. 118 and 125.

The two foraminiferal assemblages are characteristic of surface and subsurface deposits of Lower Cretaceous age throughout the Great Artesian Basin.

Some of the species figured by the writer in her paper "Some Lower Cretaceous Foraminifera from Bores in the Great Artesian Basin, Northern New South Wales" (1944) have been recognised. They include:-

Haplophragmoides chapmani

Trochammina raggatti

Spiroplectammina cushmani

Lenticulina gunderbookaensis

Marginulina subcretacea

A more detailed list of the foraminifera and ostracoda will be given in the final report.

CANBERRA, A.C.T.
4th December, 1947.

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