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COMMONWEALTH OF AUSTRALIA

DEPARTMENT OF NATIONAL DEVELOPMENT
BUREAU OF MINERAL RESOURCES
GEOLOGY AND GEOPHYSICS

RECORDS

1954/55

NOTES ON LIMESTONE SAMPLES FROM VARINGA NORTH HOMESTEAD,
CARNARVON BASIN, WESTERN AUSTRALIA

by

I. Crespin

NOTES ON LIMESTONE SAMPLES FROM YARINGA NORTH
HOMESTEAD, CARNARVON BASIN, WESTERN AUSTRALIA

by
I. Crespin.

Record No. 1954/55.

Three specimens of limestone were forwarded for micropalaeontological examination by D. Johnstone of West Australia Petroleum Company Pty. Ltd. on November 1st 1954. Palaeontological and stratigraphical notes on these specimens follow;

(R6652) (R6653)
MR. (WAPET) 139/and MR(WAPET)140/- 1 mile north-west of Yaringa.

North Homestead

These two samples are tough, cream, crystalline limestones containing abundant foraminifera. Numerous beautiful sections of different genera of the family Miliolidae are present. The following Foraminifera were recognised:

Austroltrillina howchini
Quinqueloculina spp.
Triloculina tricarinata
Spiroploculina canaliculata
Pyrgo bulloides
Pyrgo spp.
Sorites cf. marginalis.
Marginopora sp.

Both the lithology and foraminiferal assemblage of these limestones are typical of the upper part of the Trealla Limestone of the northern part of the Carnarvon Basin. The age of the limestones is referred to "f₁-?f₂" Stage or the equivalent of the top of the Lower Miocene.

MR.(WAPET)142/(R6654) - 6½ miles north-east of Yaringa
North Homestead.

This sample is represented by an ochreous limestone with foraminifera, bryozoa and numerous glauconite grains. The following foraminifera were recognised:

Asterocyclina cf. aster
Discocyclina sp.
Operculina sp. (common)
cf. Crespinella

This limestone is typical of the Giralia Calcareenite. It is Eocene in age and most probably the equivalent of "B" Stage.