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MICROPALAEONTOLOGICAL REPORT ON A CORE SAMPLE FROM NO 2
BORE, PARISH OF GLENCOE SOUTH, GIPPSLAND,
VICTORIA.

by

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MICROPALAEONTOLOGICAL REPORT ON A CORE SAMPLES FROM NO. 2
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The core sample from No. 2 Bore Parish of Glencoe South was submitted by the Geological Survey of Victoria on behalf of the State Electricity Commission and came from the depth of 110-125 feet.

The rock is a grey marl containing abundant well preserved small foraminifera and decomposed fragments of bryozoa.

Amongst the species of foraminifera recognised are the following:

<u>Angulogerina</u> sp.nov.	<u>Glandulina</u> laevigata
<u>Anomalina</u> glabrata	<u>Globigerina</u> bulloides
<u>Anomalina</u> rotula	<u>Globigerinoides</u> trilobus
<u>Astrononion</u> australe	<u>Globulina</u> gibba
<u>Bolivina</u> hebes var.victoriensis	<u>Guttulina</u> irregularis
<u>Bolivina</u> scalarata var.retiformis	<u>Guttulina</u> lactea
<u>Bolivina</u> victoriana	<u>Guttulina</u> problema
<u>Bulimina</u> pupula	<u>Guttulina</u> (Sigmoidina) silvestrii
<u>Cassidulina</u> laevigata	<u>Gyroldina</u> soldanii
<u>Cassidulina</u> subglobosa	<u>Heronallenia</u> lingulata
<u>Cassidulina</u> subglobosa var. horizontalis	<u>Heronallenia</u> wilsoni
<u>Ceratobulimina</u> australis	<u>Lagena</u> bicarinata var. <u>occulosa</u>
<u>Cibicides</u> lobatulus	<u>Lagena</u> hexagona
<u>Cibicides</u> sorrentae	<u>Lagena</u> laevis
<u>Dentalina</u> obliqua	<u>Lagena</u> orbignyana
<u>Dentalina</u> soluta	<u>Lagena</u> plumigera
<u>Discorbis</u> bertheloti var. papillata	<u>Notorotalia</u> howchini
<u>Elphidium</u> crassatum	<u>Pullenia</u> quinqueloba
<u>Elphidium</u> sp.nov.	<u>Sigmomorphina</u> chapmani
<u>Eponides</u> elegans	<u>Siphonina</u> australis
<u>Eponides</u> scabriculus	<u>Trifarina</u> bradyi
	<u>Uvigerinella</u> australe
	<u>Vaginulinopsis</u> gippslandicus

Amongst these species, the most important zonal forms are Bulimina pupula and Vaginulinopsis gippslandicus which are characteristic of the assemblage in the Janjukian Stage (Lower Miocene).

These two species have not been found in beds stratigraphically higher than the Janjukian Stage and this sample at 110-125 feet is regarded of that age. Many of the other species have been regarded as typical of the Balcombian assemblage but it has been found in recent work that they make their first appearances in the underlying Janjukian.

The exact position of this State Electricity Commission Bore in the Parish of Glencoe South has not been indicated but evidence from earlier work in this area suggests that it must be in the north-west corner of the parish. In earlier bores examined from the Parish of Glencoe South, such as Tanjil-Point Addis, No. 2

Bore, typical Janjukian foraminifera were not recognised until below the depth of 900 feet, but these bores were situated to the east and south-east of the parish. In the parish north of Glencoe South, that is, in the Parish of Glencoe, a series of bores situated along its western boundary proved the Janjukian beds at a much shallower depth, as in No. 3 Bore, where typical foraminifera were recognised at 100 feet and in No. 4 Bore at 200 feet.

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