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

REPORT No. 1948/28

MICROEXAMINATION OF SAMPLES FROM MORNINGTON FOSSIL
BEACH, 400 FEET NORTH OF SMALL ROCKY POINT AND
IMMEDIATELY WEST OF OLD LIME KILNS AT FOSSIL BEACH.

by

I. Crespin
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MICROEXAMINATION OF SAMPLES FROM
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Sample 1. Grey marl containing pyrites, foraminifera (miliolines common,) bryozoa and ostracoda.

Foraminifera: Pyrgo bulloides, Quinqueloculina vulgaris, Q. agglutinans, Q. lamarekiana, Sigmoilina asperula, S. victoriensis, S. schlumbergeri, Cornuspira crassisepta, Textularia carinata, T. sagittula, Dorothia parri, Cassidulinoides chapmani, Lagena marginata, Dentalina raphanistrum, Glandulina laevigata, Lenticulina rotulata, L. sp. 1, Sphaeroidina bulloides, Cancris australis, Cibicides sp., Siphonina australis, Anomalina rotula, A. glabrata, Nonion pompiloides.

Ostracoda: Bairdia amygdaloides, Macrocypris decora.

Sample 2. Grey marl with pyrites, foraminifera (Globigerinae common), bryozoa, and small pteropod, Vaginella.

Foraminifera: Quinqueloculina agglutinans, Textularia carinata, Listerella bradyana, Lagena orbignyana, Globigerina bulloides, Globigerinoides trilobus, Cancris australis, Siphonina australis, Anomalina glabrata, Notorotalia howchini, Cibicides sorrentae.

Sample 3. Grey marl with gypsum, minute foraminifera and pteropoda Vaginella.

Foraminifera: Dorothia parri, Listerella bradyana (juv.) Bolivina hebes var. victoriana, B. cf. acerosa, B. sp., Lagena orbignyana, Dentalina soluta, D. cf. subcostata, Glandulina laevigata, Sigmoidella elegantissima (juv.), Uvigerinella australis, Pullenia bulloides, Sphaeroidina bulloides, Spirillina decorata, Siphonina australis, Cancris australis, Discorbinella planoconcava, Discorbis sp., D. bertheloti var. papillata, Cibicides victoriensis, Eponides scabriculus, Astrononion australe.

Sample 4. Grey marl with pyrites and cast of minute pelecypoda, but no foraminifera.

Sample 5. Greyish, micaceous marl, with gypsum. No foraminifera.

Sample 6. Grey marl with gypsum and ? jarosite. No foraminifera.

Sample 7. Quartz sand. No fossils.

NOTE ON THE SAMPLES.

Samples 1, 2, and 3 contain foraminifera but tests are not numerous. Many of the species have been described by Chapman, Parr and Collins from beds referred to the Balcombian stage in Victoria and especially from the Fossil Beach locality at Mornington. Small species are moderately common in Sample 3. There is a slight facies change in this sample from that in Samples 1 and 2, in which Quinqueloculina agglutinans, Textularia carinata and Dorothia parri are prominent.

No foraminifera are present in the grey marls of Samples 4, 5, and 6.

Sample 7 represents the Recent sands which cover the marine deposits in the Mornington Peninsula.

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