



2. Mr. R. [unclear] 26.10.81

UNIVERSITY OF QUEENSLAND

DEPARTMENT OF GEOLOGY AND MINERALOGY
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3. Miss Archer

4. J. Douglas

15 October, 1981.

Dr. J.G. Douglas,
Department of Minerals & Energy,
Geological Survey Division,
107 Russell St.,
Melbourne,
Vic. 3000.

Dear Jack,

Many thanks for your letter and the enclosures, particularly the Saraxanathia photograph which Geoff is very pleased to have. He would greatly appreciate any further teaching specimens should you have any to spare.

The samples from drill 21, Apollo Bay have only just been prepared and I've quickly assessed four of these. The organic matter is carbonised, severely so in the lowest (1375 m) sample in which the spores are poorly preserved and mostly fragmented. Results are as follows:

- 937 m D. speciosus Zone; C. hughesi Subzone, uppermost unit.
- 1093 m ie. with D. speciosus, C. hughesi and F. asymmetricus and
- 1281 m lacking species diagnostic of younger palynostratigraphic units.
- 1375 m D. speciosus Zone; C. hughesi Subzone, unit not determined.

(V. back Aphan)

If you would like microfloral lists, let me know and I will send them. I would be interested to see some of the higher cores, particularly any that may contain assemblages of the C. paradoxa and younger Zones.

Geoff joins me in sending best regards,

Mary

Mary Dettmann

Comparison with Ferguson Hill, Ross beach etc. This could be seen
in section (In Ferguson Hill basement schists underlay C. hughesi Subzone
middle unit).

10/10/81

1000 m is upper aphan
(110 m y.)

60°C B.H.T at 1475 m
48°C at 825