

It is concluded that this form belongs either to the Verbeekinidae (Permian) or the Neoschwagerinidae (Mid-Upper Permian) because of its thick walls and thick swollen septa (or possibly septula). Preservation is not sufficiently good in any of the equatorial sections available to distinguish septula from septa. Seven whorls were counted on one specimen in equatorial section and the proloculus was measured on another specimen as 0.35 mm. In the best saggittal sections observed there is a tendency for the septa to become convoluted towards the poles of the test as in the Verbeekinidae.

A superficial resemblance to both *Pseudodoliolina* and *Neoschwagerina* was noted but the material examined did not allow a definite identification to be made.

The only other New Zealand occurrences of fusulines known so far are those in limestones of the Waipapa Group, in Sheets N8, N11, N16, Northland (Hornibrook, 1951; Hay, 1960).

At a locality two and a half miles south-east of Benmore Dam, S117/667, along strike from locality 666, the limestone contains indeterminate shell fragments and rare solitary corals. The following description was kindly supplied by Professor Dorothy Hill:

Family Polyoeliidae. A solitary Rugosan with tachylasmoid major septa of unequal length and long thickened minor septa. No sign of dissepiments.

Professor Hill first recognised the fusulines. They indicate a Permian age, whereas the corals can only be placed as ?Silurian to Permian.

The following data may now be added to the list of fossil localities in the Torlesse Group of Campbell and Warren:

S117/666, Akatarewa Stream, 909273, Y. K. Shu, 1964, in place, Verbeekinid or Neoschwagerinid fusuline, N. de B. Hornibrook, 1964.

S117/667, 9 chs N of Waitaki River, 896263, Y. K. Shu, 1964, in place, Polyoeliid rugose coral, D. Hill, 1964.

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