

Emsian Chitinozoa from the Buchan area of southeastern Australia

Theresa Winchester-Seeto

Acta Palaeontologica Polonica 41 (2), 1996: 149-230

Emsian chitinozoans from two sections through the Taravale Formation, near Buchan, southeastern Australia are documented. The fauna bears little resemblance to those extracted from contemporaneous successions in other parts of the globe. Seven chitinozoan assemblages are recognised with local stratigraphic application. Possible reasons for the unique composition of the fauna include biased preservation, highly developed ednemisa chim in the Emsian and an usual depositional environment. The last suggests a degree of facies dependency in chitinozoans. Fifteen new species: *Angochitina chillkalla*, *A. kurnai*, *A. warrungang*, *Bursachitina* (*Bursachitina*) *ngarigo*, *B. (B.) talentii*, *B. (Amplichitina) bidawal*, *B. (A.) jaimathang*, *B. (A.) kurritigo*, *B. (A.) rasilis*, *Eisenackitina birubi*, *E. hebata*, *E. subditiva*, *E. warnangatte*, *E.? vieta* and *E. yaraan* are described. Two new subgenera are erected, *Bursachitina* (*Bursachitina*) and *B. (Amplichitina)*.

Key words: Chitinozoa, Devonian, Australia, taxonomy, stratigraphic distribution, palaeobiogeography

This is an open-access article distributed under the terms of the Creative Commons Attribution License (for details please see creativecommons.org), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.