

Emsian Chitinozoa from the Buchan area of southeastern Australia

Theresa Winchester-Seeto

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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

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