

# **Stratigraphic constraints on the Lower Cretaceous Orallo Formation, southeastern Queensland: U–Pb dating of bentonite and palynostratigraphy of associated strata**

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## **SUPPLEMENTARY PAPERS**

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## **Supplementary paper**

Appendix: Species identified in palynological samples

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### Spores

- Anapiculatisporites pristidentatus* Reiser & Williams 1969
- Aequitriradites hispidus* Dettmann & Playford 1968
- Aequitriradites inornatus* Backhouse 1988
- Aequitriradites norrisii* Backhouse 1988
- Aequitriradites spinulosus* (Cookson & Dettmann) Cookson & Dettmann 1961
- Aequitriradites verrucosus* (Cookson & Dettmann) Cookson & Dettmann 1961
- '*Annulispora canalicula*' (Filatoff) emend. McKellar in press
- Annulispora folliculosa* (Rogalska) de Jersey 1959
- '*Antulsporites regius*' (Drozhaschich) McKellar in press
- '*Antulsporites saevus*' (Balme) Archangelsky & Gamero emend. McKellar in press
- Apiculatisporis augathellaensis* Sajjadi & Playford ex Sajjadi & Playford 2003
- Aratrisporites* sp. nov.
- Baculatisporites comaumensis* (Cookson) Potonié 1956
- Biretisporites spectabilis* Dettmann 1963
- Biretisporites vallatus* Sajjadi & Playford 2002
- Calamospora tener* (Leschik) de Jersey 1962
- Camarozonosporites* sp. nov.
- '*Camarozonosporites pudens*' (Balme) McKellar in press
- Camarozonosporites ramosus* (de Jersey) McKellar 1974
- cf. *Obtusisporis modestus*
- Cibotioidites tuberculiformis* (Cookson) Skarby 1974
- '*Cibotioidites volkheimeri*' (Filatoff) McKellar in press
- Cibotiumspora juncta* (Kara-Murza) Zhang 1978
- Clavatisporites conspicuus* Playford in Playford et al. 1982
- Concavissimisporites punctatus* (Delcourt & Sprumont) Brenner 1963
- '*Concavissimisporites verrucosus*' (Delcourt & Sprumont) emend. McKellar in press
- Contignisporites burgeri* Filatoff, McKellar & Price in Filatoff & Price 1988
- Contignisporites* sp. nov.
- Contignisporites cooksoniae* (Balme) Dettmann 1963
- Contignisporites crenatus* Varma & Ramanujam 1984
- Contignisporites glebulentus* Dettmann emend. Filatoff & Price 1988
- Contignisporites* sp. A
- Contignisporites* sp. cf. *C. glebulentus*
- '*Converrucosisporites parviturulus*' McKellar in press
- '*Converrucosisporites pricei*' McKellar in press
- Converrucosisporites* sp. A
- Convolutispora prisca* (McKellar) Sajjadi & Playford 2002a
- Coronatispora perforata* Dettmann 1963
- Coronatispora* sp. A
- Coronatispora telata* (Balme) Dettmann 1963
- Couperisporites tabulatus* Dettmann 1963
- '*Curvaturaspora frankonense*' (Achilles) McKellar in press
- Cyathidites australis* Couper 1953
- Cyathidites minor* Couper 1953
- '*Dejerseysporites biannuliverrucatus*' McKellar in press
- '*Dejerseysporites verrucosus*' (Pocock) McKellar in press
- Densoisporites circumundulatus* (Brenner) Playford 1971
- '*Densoisporites filatoffii*' McKellar in press
- Densoisporites velatus* Weyland & Krieger emend. Krasnova 1961
- Dictyophyllidites harrisii* Couper 1958
- Dictyophyllidites mortonii* (de Jersey) Playford & Dettmann 1965
- Dictyotosporites complex* Cookson & Dettmann 1958
- Dictyotosporites* sp. nov.
- '*Dictyotosporites obscurus*' McKellar in press
- '*Dictyotosporites sandrana*' McKellar in press
- Foraminisporis dailyi* (Cookson & Dettmann) Dettmann 1963
- Foraminisporis* sp. cf. *F. asymmetricus*
- Foraminisporis* sp. cf. *F. trilobatus*
- Neoraistrickia* sp. B
- Neoraistrickia suratensis* McKellar 1974
- Neoraistrickia trichosa* Filatoff 1975
- Neoraistrickia truncata* (Cookson) Potonié 1956
- '*Neoraistrickia walloonensis*' (de Jersey) McKellar in press
- Nevesisporites undatus* Backhouse 1988
- '*Nevesisporites vallatus*' de Jersey & Paten emend. McKellar in press
- '*Obtusisporis modestus*' (McKellar) McKellar in press
- Obtusisporis yarragadensis* Filatoff 1975
- '*Osmundacidites injunensis*' McKellar in press
- Osmundacidites verrucatus* Sajjadi & Playford 2002
- Osmundacidites wellmanii* Couper 1953
- '*Perotrilites whitfordensis*' (Backhouse) McKellar in press
- Phlebopterisporites equiexinus* (Couper) Juhász 1979
- Polycingulatisporites triangularis* (Bolkhovitina)

Playford & Dettmann 1965  
*Polypodiidites horridus* Backhouse 1978  
*Retitriletes austroclavatidites* (Cookson) Döring,  
Krutzsch, Mai & Schulz in Krutzsch 1963  
*Retitriletes circolumenus* (Cookson & Dettmann)  
Backhouse 1978  
*Retitriletes douglasii* Dettmann 1986  
*Retitriletes eminulus* (Dettmann) Srivastava 1975  
*Retitriletes facetus* (Dettmann) Srivastava,  
emend.  
*Retitriletes huttonensis* McKellar 1974  
*Retitriletes mirabilis* Srivastava 1972  
*'Retitriletes neofacetus'* McKellar, emend.  
*Retitriletes nodosus* (Dettmann) Srivastava 1975  
*Retitriletes proxiradiatus* McKellar in press  
*Retitriletes rosewoodensis* (de Jersey) McKellar  
1974  
*Retitriletes semimuris* (Danzé-Corsin & Laveine)  
McKellar 1974  
*Retitriletes singhii* Srivastava 1972  
*'Retitriletes siobhaniae'* McKellar in press  
*Retitriletes* sp. nov.  
*Retitriletes watherooensis* Backhouse 1978  
*Rubinella major* (Couper) Norris 1969  
*Ruffordiaspora australiensis* (Cookson) Dettmann  
& Clifford 1992  
*Ruffordiaspora ludbrookiae* (Dettmann) Dettmann  
& Clifford 1992  
*Rugulatisporites* sp. nov.  
*Rugulatisporites neuquenensis* Volkheimer 1972  
*'Sculptisporis moretonensis'* (de Jersey) McKellar  
in press  
*'Sellaspora asperata'* (Dettmann) emend.  
McKellar in press  
*'Sellaspora passa'* McKellar in press  
*Staplinisporites caminus* (Balme) Pocock 1962  
*Stereisporites antiquasporites* (Wilson &  
Webster) Dettmann 1963  
*Stereisporites psilatus* (Ross) Pflug 1953  
*Striatella* sp. cf. *S. seebergensis* Mädler 1964  
*Thymospora ipsviciensis* (de Jersey) Jain 1968  
*Todisporites major* Couper 1958  
*Todisporites major* Couper 1958  
*'Trachysporites infirmus'* (Balme) McKellar in  
press  
*Triporoletes reticulatus* (Pocock) Playford 1971  
*'Tuberculatosporites westbournensis'* McKellar in  
press  
*Uvaesporites verrucosus* (de Jersey) Helby in de  
Jersey 1971b  
*Velosporites rugulatus* Sajjadi & Playford 2002  
*Verrucatotriletes bullatus* van Hoeken-  
Klinkenberg 1964  
*Verrucosisorites varians* Volkheimer 1972

## Pollen

*Alisporites lowoodensis* de Jersey 1963  
*Alisporites similis* (Balme) Dettmann 1963  
*Araucariacites australis* Cookson ex Couper 1953  
*Callialasporites dampieri* (Balme) Sukh Dev 1961  
*Callialasporites minus* (Tralau) Guy 1971  
*'Callialasporites propinquivellersis'* McKellar in  
press  
*'Callialasporites segmentatus'* (Balme) McKellar  
in press  
*Callialasporites trilobatus* (Balme) Sukh Dev  
1961  
*Callialasporites turbatus* (Balme) Schulz 1967  
*Classopollis meyerianus* (Klaus) de Jersey 1973  
*Classopollis simplex* (Danzé-Corsin & Laveine)  
Reiser & Williams 1969  
*Classopollis* sp. cf. *C. chateaunovi*  
*Cycadopites follicularis* Wilson & Webster 1946  
*Cycadopites infirmus* McKellar 1974  
*Indusiisporites parvisaccatus* (de Jersey) de  
Jersey 1963  
*Inaperturopollenites* spp.  
*Microcachryidites antarcticus* Cookson 1947  
*Perinopollenites elatoides* Couper 1958  
*Perinopollenites mckellarii* Sajjadi & Playford  
2002  
*Peroaletes allenii* (Batten) McKellar 1974  
*'Peroaletes ieionus'* McKellar in press  
*Peroaletes* sp. A  
*Phrixipollenites* spp.  
*Podocarpidites* spp.  
*Podosporites variabilis* Sukh Dev 1961  
*Sulcosaccispora lata* de Jersey & Hamilton 1967  
*Trichotomosulcites microsaccatus* (Couper)  
Shrank 2010  
*Vitreisporites signatus* Leschik 1956

## Algae and incertae sedis

*Botryococcus* spp.  
*Leiosphaeridia* spp.  
*Incertae sedis* sp. A  
*Incertae sedis* sp. B  
*Incertae sedis* sp. C  
*Incertae sedis* sp. D  
*'Maculatasporites fionabethiana'* McKellar in  
press  
*Tetraporina* spp.

## Reworked palynomorphs

*Chordasporites australiensis* de Jersey 1962  
*Didecitriletes ericianus* (Balme & Hennelly)  
Venkatachala & Kar 1965  
*Equisetosporites* spp.  
*Granulatisporites* spp.  
*Limbosporites denmeadii* (de Jersey) de Jersey &  
Raine 1990