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**ATLAS OF OLIGOCENE PLANKTONIC
FORAMINIFERA**

BRIDGET S. WADE¹, RICHARD K. OLSSON², PAUL N. PEARSON³, BRIAN T. HUBER⁴, WILLIAM A. BERGGREN^{2,5} (editors)

¹Department of Earth Sciences, University College London, Gower Street, London, WC1E 6BT, U.K.
Email: b.wade@ucl.ac.uk

²Department of Earth and Planetary Sciences, Busch Campus, Rutgers University, Piscataway, NJ 08854, U.S.A.
Email: olsson @rci.rutgers.edu

³School of Earth and Ocean Sciences, Cardiff University, Main Building, Park Place, Cardiff, CF10 3AT, U.K.
Email: pearsonp@cardiff.ac.uk

⁴Department of Paleobiology, MRC 121, Smithsonian Museum of Natural History, Washington, D.C., 20013-7012, U.S.A. Email: huberb@si.edu

⁵Department of Geology and Geophysics, Woods Hole Oceanographic Institution, Woods Hole, MA 02543, U.S.A. Email: wberggren@whoi.edu

ABSTRACT

The taxonomy, biostratigraphy, distribution, paleoecology and phylogenetic systematics of Oligocene planktonic foraminifera are treated in an illustrated atlas format. One hundred and twenty-eight species are recognized, including three species of *Catapsydrax*, eight species of *Globorotaloides*, two species of *Protentelloides*, twelve species of *Paragloborotalia*, two species of *Parasubbotina*, three species of *Globigerina*, eight species of *Globigerinella*, two species of *Quiltyella* Coxall and Spezzaferri n. gen., four species of *Ciperoella* Olsson and Hemleben n. gen., fifteen species of *Globoturborotalita*, seven species of *Globigerinoides*, seven species of *Trilobatus*,

nine species of *Subbotina*, sixteen species of *Dentoglobigerina*, one species of *Globoquadrina*, two species of *Turborotalita*, three species of *Acarinina*, two species of *Pseudohastigerina*, two species of *Turborotalia*, two species of *Dipsidripella*, two species of *Globigerinita*, four species of *Tenuitella*, four species of *Chiloguembelina*, two species of *Jenkinsina*, two species of *Cassigerinella*, and four species of *Streptochilus*.

We name fourteen new species: *Chiloguembelina adriatica* Premec Fucek, Hernitz Kucenjak and Huber n. sp., *Chiloguembelina andreae* Premec Fucek, Hernitz Kucenjak and Huber n. sp.,

Dentoglobigerina eotripartita Pearson, Wade and Olsson n. sp., *Globigerina archaeobulloides* Hemleben and Olsson n. sp., *Globigerinella roeglina* Spezzaferri and Coxall n. sp., *Globigerinoides neoparawoodi* Spezzaferri n. sp., *Globigerinoides joli* Spezzaferri n. sp., *Globoturborotalita eolabiocrassata* Spezzaferri and Coxall n. sp., *Globoturborotalita paracancellata* Olsson and Hemleben n. sp., *Globoturborotalita pseudopraebulloides* Olsson and Hemleben n. sp., *Globorotaloides atlanticus* Spezzaferri and Coxall n. sp., *Subbotina projecta* Olsson, Pearson, and Wade n. sp., *Streptochilus tasmanensis* Smart and Thomas n. sp. and *Trilobatus altospiralis* Spezzaferri n. sp. The following new genera are named: *Ciperoella* Olsson and Hemleben n. gen. and *Quiltyella* Coxall and Spezzaferri, n. gen.

Over 2000 scanning electron micrographs

images, including the type specimens of more than 60 species are illustrated for the first time, providing fresh comprehension of the shell architecture and wall texture, particularly for species that were poorly illustrated when first described. The biostratigraphic occurrences and phylogenetic relationships of all species of Oligocene planktonic foraminifera are reviewed. Analysis of wall textures, based on well-preserved material (much of which is illustrated for the first time) provides the basis for the higher taxonomy. Accordingly, Oligocene normal perforate planktonic foraminifera are divided into the Families Globigerinidae, Truncorotaloididae, and Globanomalinidae. Oligocene microperforate species, are placed in the Families Globigerinitidae, Chiloguembelinidae, Guembelitrifidae, and Cassigerinellidae.