

V A L I D A T I O N O F N E W C O M B I N A T I O N S

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During the compilation of two chapters on Mesozoic and Cenozoic calcareous nannofossils for a text-book on PLANKTON STRATIGRAPHY edited by Bolli, Saunders & Perch-Nielsen (in press), I have used new combinations as validated below.

CENOZOIC

NEW COMBINATION

Bomolithus conicus
Calcidiscus leptoporus centrovalis
Catinaster altus
Cruciplacolithus brotzenii
Cyclicargolithus marismontium
Discoaster megastypus
Lithostromation deflandrei
Neocrepidolithus cohenii
Pontosphaera desueta
Pontosphaera enormis
Pontosphaera inconspicua
Pontosphaera latielliptica
Pontosphaera latoculata
Pontosphaera ocellata
Pontosphaera punctosa
Prinsius tenuiculum
Rhombaster spineus
Toweius africanus
Toweius? crassus
Transversopontis pygmaea
Triquetrorhabdulus farnsworthii

BASIONYM

Heliolithus? conicus Perch-Nielsen(1971, pl.56, pl.1, fig.2)
Cyclococcolithus leptoporus centrovalis Stradner&Fuchs (1980, p.255,256, pl.6, figs.4,5)
Discoaster altus Müller(1974, p.592, pl.9, fig.1)
Ericsonia? brotzenii Perch-Nielsen(1969, p.60,61,pl.2,fig.4)
Coccolithus marismontium Black(1964, p.309, pl.51, fig.3)
Discoasteroides megastypus Bramlette&Sullivan(1961, p.163, pl.13, fig.14)
Polycladolithus deflandrei Stradner(1959b, p.18, fig.76)
see above
Discolithina desueta Müller(1970, p.113, pl.3, figs.4,5)
Discolithina enormis Locker(1967,p.759,pl.1,fig.4,pl.2,fig.5)
Discolithus inconspicuus Sullivan(1964, p.182, pl.4, fig.6 in B.8.5.1961)
Discolithina latielliptica Baldi-Beke&Baldi(1974, p.72, pl.3, fig.10)
Discolithina latoculata Bukry&Percival(1971, p.130, pl.4, figs.1-3)
Discolithus ocellatus Bramlette&Sullivan(1961, p.142, pl.3, fig.2)
Discolithus punctosus Bramlette&Sullivan(1961, p.143, pl.3, fig.11)
Bisculum? tenuiculum Okada&Thierstein(1979, p.521,522, pl.9, fig.5)
Marthasterites spineus Shafik&Stradner(1971,p.93, fig.7)
Prinsius africanus Perch-Nielsen(1980,p.842,843,pl.3,fig.3)
Coccolithus crassus Bramlette&Sullivan(1961,p.139,pl.1,fig.4)
Discolithina pygmaea Locker(1967, p.761, pl.2, fig.2)
Ceratolithus? farnsworthii Gartner(1967,p.5,pl.9,fig.2)

MESOZOIC

- Aspidolithus bevieri
Aspidolithus furtivus
Aspidolithus parvus constrictus
Aspidolithus parvus expansus
Biscutum salebrosum
Biscutum veterum
Calculites additus
Chiasmolithus parvus
Chlastozygus? acutus
Cretarhabdus lateralis
Cribrosphaerella? hauteriviana
Ellipsagelosphaera fasciata
Eprolithus septentrionalis
Gartnerago stenostaurion
Glaukolithus compactus
Micula quadrata
Neocrepidolithus cohenii
Nodosella perch-nielseniae
Nodosella silvaradion
Podorhabdus biperforatus
Prediscosphaera arkhangelskyj
Prediscosphaera avitus
Prediscosphaera columnata
Prediscosphaera implumis
Prediscosphaera ponticula
Rhombolithion duodecostatum
Rhombolithion horellii
Rhombolithion octocostatum
Rotelapillus caravacaensis
Rotelapillus crenulatus
Rotelapillus munitus
Broinsonia bevieri Bukry(1969, p.21, pl.1, fig.8)
Broinsonia furtiva Bukry(1969, p.22, pl.2, fig.1)
Broinsonia parca constricta Haltner et al.(1980, p.23, pl.2, fig.1)
Broinsonia parca expansa Wise&Watkins in Wise(1983, p.506, pl.9, figs.1-4)
Cruciplacolithus salebrosus Black(1971,p.397,pl.30,fig.4)
Paleopontosphaera veterna Prins, 1969 ex Rood et al. (1973, p.378, pl.III, fig.2)
Phanulithus additus Wind&Wise in Wise&Wind(1977, p.304, pl.30, fig.2)
Chiasmolithus parvus Barrier (1977,p.27,pl.XIII,fig.1)
Corollithion acutum Thierstein in Roth&Thierstein (1972, pl.2, figs.1,2)
Cretarhabdus lateralis Black(1971,p.400, pl.21, fig.5)
Cribrosphaera hauteriviana Black(1971, p.421,pl.33,fig.8)
Watznaueria fasciata Wind&Čepek(1979, p.7, fig.5)
Lithastrinus septentrionalis Stradner(1963, p.11, pl.2, fig.7)
Broinsonia stenostaurion Hill(1976, p.127,128, pl.3, figs.21-24)
Zygodiscus compactus Bukry(1969, p.59, pl.34, fig.2)
Tetralithus quadratus Stradner(1961, p.86, fig.92)
Crepidolithus cohenii Perch-Nielsen(1968,p.37,pl.2,fig.7)
Corollithion perch-nielseniae Filewicz et al. in Wise & Wind(1977, p.310, pl.61, fig.3)
Corollithion silvaradion Filewicz et al. in Wise&Wind (1977, p.310, pl.62, fig.6)
Discorhabdus biperforatus Rood et al.(1973, p.381, pl.III, fig.7)
Eiffelithus cretaceus arkhangelskyj Reinhardt (1965,p.35 pl.2, fig.1)
Deflandrius avitus Black(1973, p.84, pl.27, fig.11)
Deflandrius columnatus Stover(1966, p.141, pl.6, fig.8)
Deflandrius implumis Black(1973, p.86, pl.27,fig.2)
Prediscosphaera cretacea ponticula Bukry(1969, p.39, pl.17, fig.11)
Diadorhombus duodecostatus Goy in Goy et al.(1979, p.41, pl.3, fig.5)
Diadorhombus horrellii Rood&Barnard(1972, p.337,338, pl.II, fig.12)
Diadorhombus octocostata Rood&Barnard(1972, p.337, pl.II, fig.11)
Stephanolithion caravacaensis Grün in Grün&Allemann (1975, p.188,189, pl.VII, figs.1,2)
Stephanolithion crenulatum Stover(1966, p.16,pl.7,fig.26)
Stephanolithion munitum Perch-Nielsen(1973, p.326, pl.2, fig.7)

<u>Rotelapillus octoradiatus</u>	<u>Corollithion octoradiatum</u> Gartner(1968, p.35,36, pl.10, fig.14)
<u>Sollasites hayj</u>	<u>Cruciplacolithus hayj</u> Black(1973, p.66,67, pl.23, fig.9)
<u>Sollasites pinnatus</u>	<u>Cruciplacolithus pinnatus</u> Black(1971, p.397, pl.30, fig.5)
<u>Stephanolithion elongatum</u>	<u>Stephanolithion speciosum elongatum</u> Medd(1979, p.52, pl.4, fig.9)
<u>Stephanolithion octum</u>	<u>Stephanolithion speciosum octum</u> Rood&Barnard(1972, p.330, pl.1, fig.2)
<u>Stradnerlithus callomonii</u>	<u>Diadozygus callomonii</u> Rood et al.(1971, p.256, pl.1, fig.8)
<u>Stradnerlithus ellipticus</u>	<u>Corollithion ellipticum</u> Bukry(1969, p.40, pl.18, fig.10)
<u>Stradnerlithus fractus</u>	<u>Corollithion fractum</u> Black(1973, p.94, pl.29, fig.14)
<u>Stradnerlithus fragilis</u>	<u>Actinozygus fragilis</u> Rood&Barnard(1972,p.334,pl.II, fig.9)
<u>Stradnerlithus langii</u>	<u>Diadozygus langii</u> Rood&Barnard(1972, p.334, pl.II, fig.1)
<u>Stradnerlithus sexiramatus</u>	<u>Zygoolithus sexiramatus</u> Pienaar(1969, p.116, pl.10, fig.9)
<u>Tranolithus macleodidae</u>	<u>Zygodiscus macleodidae</u> Bukry(1969, p.60, pl.35, fig.2)
<u>Tranolithus minimus</u>	<u>Zygodiscus minimus</u> Bukry(1969, p.61, pl.35, fig.10)
<u>Truncatoscapus pauciramatus</u>	<u>Stradnerlithus pauciramatus</u> Black(1973, p.98,99, fig.47)
<u>Truncatoscapus senarius</u>	<u>Corollithion senarius</u> Wind&Wise in Wise&Wind(1977, p.300, pl.78, fig.3)
<u>Zeugrhabdotus embergeri</u>	<u>Discolithus embergeri</u> Noël(1959, p.164, pl.1, figs.5-8)
<u>Zeugrhabdotus pseudanthophorus</u>	<u>Zygodiscus? pseudanthophorus</u> Bramlette&Martini(1964,p.303, pl.4, figs.17,18)

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