

VALIDATION OF NEW COMBINATIONS

by M.-P. Aubry, Centre de Paléontologie stratigraphique et Paléocécologie, Université Claude Bernard, 27-46 Bd du 11 Novembre, 69622 Villeurbanne cedex, and Woods Hole Oceanographic Institution, Woods Hole, Mass. 02543.

In the course of preparing Volume 4 of the Handbook of Cenozoic calcareous nannofossils, I have introduced new combinations which are hereby validated below:

*Helicosphaera salebrosa* (Perch-Nielsen) n. comb.

basonym: *Helicopontosphaera salebrosa* Perch-Nielsen, 1971. K. Dansk Vidensk. Selsk. Biol. Skr., 18(3), p. 43, pl. 43, fig. 5; pl. 36, fig. 5, 10; pl. 61, fig. 8, 9

*Helicosphaera ? subantarctica* (Edwards & Perch-Nielsen) n. comb.

basonym: *Helicopontosphaera ? subantarctica* Edwards & Perch-Nielsen, 1975. Init. Rep. D.S.D.P., Vol. 29, p. 482, pl. 14, fig. 1-7; pl. 15, fig. 1-3, 7, 8.

*Pontosphaera aperta* (Perch-Nielsen) n. comb.

basonym: *Discolithina aperta* Perch-Nielsen, K. Dansk Vidensk. Selsk. Biol. Skr., 18(3), p. 33, pl. 30, Fig. 1.

*Pontosphaera distinctoides* (Reinhardt) n. comb.

basonym: *Discolithus distinctoides* Reinhardt, 1967. Freiburger Forschungsh. C213, p. 212, pl. 3, Fig. 2, 3, 6.

*Pontosphaera fibula* (Getha) n. comb.

basonym: *Transversopontis fibula* Getha, 1976, in: Getha, N., Popescu, B. & Leu, M., Rev. Roum. Géol. Géophys. et Géogr., Géologie, 20(1), p. 144, pl. 2, fig. 1, 4-9.

*Pontosphaera lata* (Müller) n. comb.

basonym: *Transversopontis latus* Müller, 1970, Geologica bavarica, 63, p. 117, pl.1, fig. 1-3.

*Pontosphaera lepida* (Boudreaux & Hay) n. comb.

basonym: *Koczya lepida* Boudreaux & Hay, 1969, Rev. Esp. Micropal., 1(3), p.273, pl.7, fig. 7-15.

*Pontosphaera ovata* (Levin & Joërger) n. comb.

basonym: *Discolithina ovata* Levin & Joërger, 1967, Micropaleontology, 13(2), p. 167, pl. 2, fig. 6a-d.

*Pontosphaera panarium* (Deflandre) n. comb.

basonym: *Discolithus panarium* Deflandre, 1954, in: Deflandre, G. & Fert, C., Ann. Paléont., 40, p.141, text-fig. 39-40.

*Pontosphaera pauciforata* (Kamptner) n. comb.

basonym: *Discolithus pauciforatus* Kamptner, 1956, Anz. Oesterr. Akad. Wiss. Math.-Naturw., 93, p. 9 (= *Coccolithites pauciforatus* Kamptner, 1955, Verh. Kon. Ned. Akad. Wetensch. Natuurk., 2, p. 14, 15, fig. 14.)

*Pontosphaera pax* (Stradner & Seifert) n. comb.

basionym: *Transversopontis pax* Stradner & Seifert, 1980, Beitr. Paläont. Oesterr., 7, p. 281, 282, pl. 1-3, text-fig. A-C.

*Pontosphaera pulchripora* (Reinhardt) n. comb.

basionym: *Discolithus pulchriporus* Reinhardt, 1967, Freiburger Forschungsh., C213, p. 214, pl. 3, fig. 21-23; pl. 7, fig. 3.

*Pontosphaera sigmoidalis* (Locker) n. comb.

basionym: *Transversopontis sigmoidalis* Locker, 1967, Monatsberichte, 9(9/10), p. 763, 764, pl.1, fig. 3; pl. 2, fig. 4.

*Pontosphaera vesca* (Sullivan) n. comb.

basionym: *Discolithus vescus* Sullivan, 1965, Univ. California Publ. Geol. Sci., 53, p. 35, pl. 4, fig. 9a, b.

*Pontosphaera wechesensis* (Bukry & Percival) n. comb.

basionym: *Syracosphaera ? wechesensis* Bukry & Percival, 1971, Tulane Studies Geol. Pal., 8(3), p. 142, pl. 7, fig. 7-10.