

PALEONTOLOGICAL NOTE

BULIMINELLA MORGANI ANDERSEN, 1961 AND BULIMINELLA MISSISSIPPENSIS SEIGLIE, 1969 — A CRITICAL APPRAISAL

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Phleger and Parker (1951) described a small buliminellid from Station 212 (*Atlantis* cruise, 1947), located at Lat. 27°50.5'N., Long. 96°19' W., in the Northwest Gulf of Mexico at a depth of 50 m. These authors compared and related this modern form to *Buliminella bassendorffensis* Cushman and Parker, 1937, which had been described from the Oregon Oligocene. This assignment was accepted by Gulf Coast micropaleontologists for a number of years (e.g., Lankford, 1959). *Buliminella* cf. *bassendorffensis* (*sensu* Phleger and Parker, 1951) was placed in the synonymy of a new species *Buliminella morgani* by Andersen, who provided a definitive description and illustration of the new taxon (1961, p. 87, pl. 19, fig. 10). The types for this species were obtained from Mudlumps SP-1 and SP-3 at the mouth of Southwest Pass of the Mississippi River delta. This species name has been, and is presently, accepted by workers in this region (e.g., Poag, 1981; Finger, 1982). It is further cited in the massive data compilation presented by Culver and Buzas (1981).

In his taxonomic notes on the genera *Buliminella* and *Bulimina*, Seiglie (1969) established the species *Buliminella mississippiensis* for forms obtained from a core taken in 106 meters of water in the northeast Gulf of Mexico at Lat. 29°04.5'N, Long. 88°52'W. Seiglie (1969, p. 101) placed *Buliminella* sp. cf. *B. bassendorffensis* (*sensu* Phleger and Parker, 1951) in the synonymy of this new species. The morphoserries presented by Seiglie (*ibid.*, pl. 6, figs. 1-11, pl. 7, figs. 1-10) clearly includes the form *B. cf. bassendorffensis* of Phleger and Parker, 1951, and *B. morgani* Andersen, 1961.

Buliminella mississippiensis Seiglie, 1969, is a junior synonym of *Buliminella morgani* Andersen, 1961, and in accordance with ICZN Articles 23 and 24 it is recommended that the name *B. mississippiensis*

Seiglie, 1969, be suppressed in order to ensure stability and universality of nomenclature.

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LITERATURE CITED

- ANDERSEN, H. V., 1961, Genesis and paleontology of the Mississippi River mudlumps, Part II, Foraminifera of the mudlumps, lower Mississippi River delta: Louisiana Dept. Conserv., Geol. Bull. 35, p. 1-208, pls. 1-29.
- CULVER, S. J., and M. A. BUZAS, 1981, Distribution of Recent benthic Foraminifera in the Gulf of Mexico: Smithsonian. Contrib. Marine Sci., no. 8, 2 vols., 98 p.
- CUSHMAN, J. A., and F. L. PARKER, 1937, Notes on some Oligocene species of *Bulimina* and *Buliminella*: Contr. Cushman Lab. Foram. Res., vol. 13, pt. 1, p. 36-40, pl. 4.
- FINGER, K. L., 1982, Index to the Quaternary benthic Foraminifera recorded from offshore areas in the Gulf of Mexico: Jour. Foram. Res., vol. 12, no. 2, p. 151-178.
- INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE, 1964, International Code of Zoological Nomenclature, adopted by the XV International Congress of Zoology, ed. 2: London, Internat. Trust for Zoological Nomenclature, 176 p.
- LANKFORD, R. R., 1959, Distribution and ecology of Foraminifera from East Mississippi Delta margin: Amer. Assoc. Pet. Geol., Bull., vol. 43, no. 9, p. 2068-2099, pls. 1-3.
- PHLEGER, F. B., and F. L. PARKER, 1951, Ecology of Foraminifera northwest Gulf of Mexico, Part II, Foraminiferal species: Geol. Soc. Amer., Memoir 46, pt. 2, p. 1-64, pls. 1-20.
- POAG, C. W., 1981, Ecological atlas of benthic Foraminifera of the Gulf of Mexico: viii + 175 p., 64 pls., Hutchinson Ross Pub. Co., U.S.A.
- SEIGLIE, G. A., 1969, Notes on species of the genera *Buliminella* and *Bulimina* (Foraminifera): Carib. Jour. Sci., vol. 9, nos. 3 and 4, p. 93-103, pls. 1-7.