LETTER TO THE EDITOR

Comment on "The Fossil Coleoptera of the Two Creeks Forest Bed, Wisconsin," by Alan V. Morgan and Anne Morgan

The authors (Morgan and Morgan, 1979) of the above-cited article and the authors (Evenson, Farrand, Eschman, Mickelson, and Maher, 1976) of the revised late Wisconsinan time- and rock-stratigraphic terminology used in the discussion of the Two Creeks Forest Bed site note with concern errors which have appeared in the stratigraphic nomenclature cited in the paper by Morgan and Morgan (1979).

The errors should be corrected since they are a misuse of formal stratigraphic terminology. Particular concern is expressed because the revised terminology proposed by Evenson (1973) and Evenson et al. (1976) has been challenged by Black (1979; Willman et al., 1975; Wickham et al., 1978) and accepted by others (Dreimanis, 1977; Occhietti and Hillaire-Marcel, 1977; Bowen, 1978) in both national and international publications. Without correction, these errors will surely proliferate, particularly when presented in a journal with the reputation and distribution of Quaternary Research. The errors to which we refer take the form of simple, but important variations from the formally defined (Evenson et al., 1976; Willman et al., 1975), well-accepted stratigraphic nomenclature applied to Pleistocene deposits of the Great Lakes region.

Specifically, the time-stratigraphic terms "Two Creekan substage," "Great Lakean substage," and "Woodfordian substage" have appeared on p. 227. The correct spellings and capitalizations (as cited in the original manuscript submitted by Morgan and Morgan) are: "Two Creekan Substage" (Frye and Willman, 1960, p. 8; Willman et al., 1975, pp. 229–230; Evenson et al., 1976, pp. 417–419); "Greatlakean Substage" (Evenson et al., 1976, p. 418), and "Woodfordian Substage" (Frye and Willman, 1960, pp. 6-7; Willman et al., 1975, p. 227). (The authors appearing in parentheses following each item refer to the original definition and important discussions.)

The rock-stratigraphic terms "Two Rivers till" and "Manitowoc till member" have also been modified from the original manuscript and are cited incorrectly on p. 227. The correct usages are: "Two Rivers Till" and "Manitowoc Till Member." In the original definition of the unit, Evenson (1973, p. 2290) used "Two Rivers till," but later (Evenson et al., 1976) adopted "Two Rivers Till" to bring the usage into conformity with the Code of Stratigraphic Nomenclature. The Illinois State Geological Survey (Lineback et al., 1974, p. 16; Wickham et al., 1978, p. 14) uses "Two Rivers Till Member" because that organization considers this till a member of an unnamed formation. In both cases, the work "Till" should be capitalized. The Manitowoc Till Member (of the Wedron Formation) was named by Lineback et al. (1974, p. 16). Although their definition of this unit was intentionally restricted to the till within the Lake Michigan Basin (below water), they correlated the Manitowoc Till Member with the till directly under the Two Creeks Forest Bed at its type locality. Evenson and others (1976, p. 415) accepted this correlation and used the term "Manitowoc Till Member" for the till under the forest bed. However, subsequent work in eastern Wisconsin by L. J. Acomb, D. M. Mickelson, and E. B. Evenson (unpubl. data) and by M. C. McCartney and D. M.
Mickelson (unpubl. data) has prompted them to suggest restriction of the term “Manitowoc Till Member” to the till below the waters of Lake Michigan and to propose the informal term “Haven till” (note lower case “t” for an informal unit) for the till underlying the forest bed in the Two Creeks area of Wisconsin.

Finally, a point of clarification should be made concerning the use of the phrases “advance of the Valders ice” and “approaching Valders ice” (Morgan and Morgan, 1979, p. 237). In both cases the term “Greatlakean” should have been added in parentheses, or possibly substituted for “Valders” (the term used by West, 1961) since it was the intention of both authors to refer to the post-Twocreekan (Greatlakean) advance.

We feel that it is imperative that formal stratigraphic units be applied in a systematic manner. Capitalization and spelling (including word splitting) of formal stratigraphic nomenclature are not the prerogative of authors, reviewers, or editors. Proper usage of stratigraphic nomenclature is worth the trouble it requires and results in the evolution of consistent, specific, well-defined, and broadly accepted and understood units.

REFERENCES


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