

**THE LATE CRETACEOUS LAMNIFORM SHARK, *SERRATOLAMNA SERRATA* (AGASSIZ),
FROM THE MOOREVILLE CHALK OF ALABAMA**

Kenshu Shimada^{1,2,3} and Davin D. Brereton²

¹Environmental Science Program, DePaul University, 2325 North Clifton Avenue, Chicago, Illinois 60614, U.S.A.;

²Department of Biological Sciences, DePaul University, 2325 North Clifton Avenue, Chicago, Illinois 60614, U.S.A.;

and ³Sternberg Museum of Natural History, Fort Hays State University, Hays, Kansas 67601, U.S.A.,

kshimada@depaul.edu

ABSTRACT

Serratolamna serrata (Agassiz) is a Late Cretaceous lamniform shark typically found in Maastrichtian marine deposits. Here we describe seven isolated teeth of *S. serrata* from the Lower Campanian portion of the Mooreville Chalk in Alabama, and this report constitutes the first documentation of the species from this stratigraphic unit. The described teeth are significant because they represent the oldest (ca. 80 Ma) record of *S. serrata* in the world, and possibly suggest a North American origin for the taxon. *Serratolamna serrata* may have evolved from another lamniform, *Cretalamna appendiculata* (Agassiz).