

February 5, 1964

Dr. Tom Freeman  
Arkansas Geological Commission  
State Capitol  
Little Rock, Arkansas

Dear Dr. Freeman:

In response to your letter of January 31, perhaps the place you should investigate is Stone City Bluff on the Brazos River (see Univ. Texas, Pub. 5704). The section at Vicksburg, Mississippi, might also serve (see Mississippi Geol. Survey Bull. 43). The section exposed at Claiborne, Alabama, is rich in a succession of several facies most of them very rich in fossils. The lower part of this section, below the Gosport sand, is a complex sequence of minor facies alternating, all of them rich in fossils.

I am not quite sure that I understand your problem well enough. It is my experience that almost all fossiliferous exposures in the Gulf Coastal Plain are a succession of different microfacies. The faunules differ in composition from bed to bed, either by percentages of specific fossils or appearance and disappearance of some species. In addition, lithologies do not stay identical from bed to bed; there are small but significantly different microfacies in nearly every section.

With best wishes,

Sincerely yours,

H. B. Stenzel

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SHELL DEVELOPMENT COMPANY  
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