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**REMPERT PALEONTOLOGY
RESEARCH GROUP**

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To the members of the Association of Applied Paleontological Sciences (AAPS),

I am writing to express my most sincere gratitude for awarding me with the René M. Vandervelde Grant for research on marine paleontology, geology, or stratigraphy of the Late Cretaceous Pierre and Bearpaw Shales of North America.

I plan to study the 50-foot-long *Tylosaurus* skeleton named “Debby Sue” housed within the World Fossil Finder Museum in Hot Springs, South Dakota. The Debby Sue specimen was found in the Campanian Pierre Shale Group of South Dakota. Impressive in both size and completeness, the Debby Sue specimen is further remarkable for bearing a heavily pathologic right foreflipper. This specimen has never been formally studied and likely represents an important data point in studies regarding mosasaur growth and wound healing. I plan to lead a team in collaboration with World Fossil Finder Museum staff, to study and describe the Debby Sue specimen.

I am truly honored to be recognized for the René M. Vandervelde Grant. Your generous support will allow for the study and description of an exceptional marine reptile skeleton. I look forward to providing updates to the members of the AAPS as the project progresses.

Sincerely,

Trevor H. Rempert
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