

Sample Abstract

LIFE HISTORY INFERRED FROM STABLE ISOTOPES IN *TAXONOTHERIUM INEXPECTUS* TEETH DURING THE WASATCHIAN AND BRIDGERIAN OF NORTH AMERICA

Taxonotherium inexpectus lived during the Wasatchian and Bridgerian and ranged across western North America. Fossil remains of *T. inexpectus* were historically known from the early Eocene and shockingly have recently from Upper Cretaceous sediments of Canada.

Taxonotherium was known to have consumed water (H₂O). Measurements of $\delta^{18}\text{O}$ and $\delta^{13}\text{C}$ from various upper and lower teeth (i1, c1, p1–2, dp2, I1, C1, P1, and LDP2) indicate that *Taxonotherium* also ate food.