

OSTRACODE ASSEMBLAGES FROM THE CRETACEOUS-TERTIARY (K-T) BOUNDARY, POTY QUARRY, PERNAMBUCO, NORTHEASTERN BRAZIL*

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The Cretaceous-Tertiary (K-T) boundary is well exposed in carbonate layers of the Poty Quarry, Pernambuco, northeastern Brazil, and the ostracode fauna is well preserved. The taxonomy of all recorded species and their stratigraphic distribution (reported for the first time) are discussed. Twelve genera, including thirty species, are identified in the studied material. The following genera are represented by biostratigraphically-significant species in the Poty Quarry: *Cytherella*, *Bythocypris*, *Schizoptocythere*, *Soudanella*, *Protobuntonia*, *Paracosta*, *Protocosta*, and *Paracypris*. One genus, *Langiella*, and eight species, *Schizoptocythere potyensis*, *Paracosta recifensis*, *Protocosta reticulata*, *Protobuntonia glabra*, *Loxoconcha mariafarinhensis*, *Cytheropteron brasiliensis*, *Bythoceratina inflata* and *Paracypris penambuquensis* are new. *This is a contribution to IGCP Project 381 South Atlantic Mesozoic Correlations.