











- **Decapod crustaceans from the Paleocene of Central Texas, USA**
- Adam Armstrong¹, Torrey Nyborg², Gale A. Bishop³, Àlex Ossó⁴ and Francisco J. Vega⁵

Decapod crustaceans from the Paleocene of Central Texas, USA

Adam Armstrong¹, Torrey Nyborg², Gale A. Bishop³, Àlex Ossó⁴ and Francisco J. Vega⁵
1306 Hilltop Road, Keene, TX 76059,

²Department of Earth and Biological Sciences, Loma Linda University, Loma Linda,
California 92350, U.S.A.,

³Department of Geology and Geography, Georgia Southern University,
Statesboro, GA 30460, U.S.A.,

⁴Josep Vicenç Foix, 12-H, 1er-1^a 43007 Tarragona, Catalonia,

⁵Instituto de Geología, UNAM, Ciudad Universitaria, Coyoacán, México DF 04510,
Mexico, vegver@unam.mx

ABSTRACT

Fourteen species of decapods crustaceans are described from a single locality near Mexia, Texas, where Paleocene sediments of the Mexia Member of the Wills Point Formation crop out. The species are represented by *Hoploparia* sp., *Linuparus wilcoxensis* Rathbun, 1935, a pagurid palm, *Kierionopsis nodosa* Davidson, 1966, ?*Pithonoton cardwelli* new species, *Caloxanthus* sp., *Macroacaena johnsoni* (Rathbun, 1935), new combination, *Raninoides bournei* (Rathbun, 1928), *R. treldenaesensis* (Collins and Jakobsen, 2003), *Prehepatus* sp., *Marydromiltes americana* (Rathbun, 1935), *Costacopluma texana* new species, *Paraverrucoides alabamensis* (Rathbun, 1935) and *Viapinnixa mexiaensis* new species. Morphological details unknown for previously described species are included. Actualized systematic placements are offered based on recent research. The first case of intraspecific morphological variation for a fossil species is documented for the goneplacoid crab *Marydromiltes americana*. *Costacopluma texana* is the second Paleogene species of that genus in southeastern USA, and because of its

- East-west variations in age, chemical and isotopic composition of the Laramide batholith in southern Sonora, Mexico
 Variaciones este-oeste en edad y composición química e isotópica del batolito Laramide en el sur de Sonora, México
Jaime Roldán-Quintana, Fred W. McDowell, Hugo Delgado-Granados, and Martín Valencia-Moreno
 Published on line August 10, 2009543-563
 (3224 KB)Evidencias estratigráficas y geoquímicas de la variación temporal de sedimentos naturales y antropogénicos en la planicie aluvial del río Guanajuato
 Stratigraphic and geochemical evidence of the temporal variation of natural and anthropogenic sediments on the Guanajuato river alluvial plain
Raúl Miranda-Avilés, María Jesús Puy-Alquiza y Martín Caudillo-González
 Published on line August 31, 2009564-574
 (780 KB)Lower Aptian shallow-water benthic foraminiferal assemblage from the Chilacachapa range in the Guerrero-Morelos platform, South Mexico
 Asociación de foraminíferos bentónicos de aguas someras del Aptiano inferior de la Sierra de Chilacachapa, en la plataforma Guerrero-Morelos, sur de México
Lourdes Omaña and Gloria Alencáster
 Published on line September 09, 2009575-586
 (2633 KB)Decapod crustaceans from the Paleocene of central Texas, USA
 Crustáceos decápodos del Paleoceno de Texas central, EUA
Adam Armstrong, Torrey Nyborg, Gale A. Bishop, Alex Ossó-Morales, and Francisco J. Vega

ACEPTADO

Los tiburones lamniformes (Chondrichthyes, Galeomorphii) del Plioceno inferior de la Formación Arenas de Huelva, suroeste de la cuenca del Guadalquivir, España
 The Lower Pliocene lamniform sharks (Chondrichthyes, Galeomorphii) from the Arenas de Huelva Formation, southwestern Gualdalquivir basin, Spain
Edith Xio Mara García, Miguel Telles-Antunes, Ausenda Cáceres-Balbino, Francisco Ruiz-Muñoz y Jorge Civis-Llovera

ACEPTADO

Provenance of sands from Cazonos, Acapulco, and Bahía Kino beaches, Mexico
 Proveniencia de arenas de las playas de Cazonos, Acapulco y Bahía Kino, México
John S. Armstrong-Altrin









