



## ***Arvechamboides ocala*, n. gen., n. sp., a new aniulinine milliped from peninsular Florida, USA (Julida: Parajulidae)**

ROWLAND M. SHELLEY

Research Lab., North Carolina State Museum of Natural Sciences, 4301 Reedy Creek Rd., Raleigh, NC 27607 USA.

E-mail rowland.shelley@ncmail.net

### **Abstract**

*Arvechamboides ocala*, n. gen., n. sp., is proposed for a male aniulinine milliped in Marion County, Florida; no females are available. The genus is the fourth in the Parajulidae recorded from Florida, all representatives of the Aniulini, and the second known only from the state, the other being *Gyniulus* Loomis, 1963. The posterior gonopods of *Arvechamboides* possess both true and accessory prefemoral processes, the former being a feature of *Pseudojulus* Bollman, 1887, and the latter, a trait of *Arvechambus* Causey, 1963. The 8<sup>th</sup> sternum expands laterally into broad lobes as in *Arvechambus*, and the generic name reflects the shared anatomical features with this genus. "Sphaerotrichomes" are observed on the tibiae & tarsi of the 1<sup>st</sup> legs and are reported in retrospect for previously studied aniulinine genera.

**Key words:** *Arvechamboides ocala*, *Arvechambus*, *Gyniulus*, *Pseudojulus*, Parajulidae, Aniulini, Florida

### **Introduction**

The parajulid milliped fauna of Florida, USA, is depauperate in comparison to other southeastern states. All genera known from the state belong to the Aniulini, and *Gyniulus* Loomis, 1963, occurring throughout the peninsula and in the western panhandle, is the dominant genus (Loomis 1963, 1968; Hoffman 1980, 1999; Shelley 2000a, 2001a). *Pseudojulus* Bollman, 1887, and *Arvechambus* Causey, 1963, occupy counties adjacent to Georgia & Alabama, with the latter ranging southward to Gainesville, Alachua County (Co.) (Bollman 1887a, b; Chamberlin & Hoffman 1958; Causey 1963; Hoffman 1992, 1999; Shelley 2001a, 2004). While recently perusing samples in the Florida State Collection of Arthropods (FSCA), Gainesville, I discovered a male from the Ocala National Forest, Marion Co., that clearly represents a new genus & species. It shares gonopodal features with both *Pseudojulus* & *Arvechambus* and thus constitutes unequivocal evidence of affinity between them; the configuration of the 8<sup>th</sup> sternum is shared with *Arvechambus*, hence the generic name.

### **Taxonomy (sensu Shelley (2003))**

#### **Order Julida Brandt, 1833**

#### **Superfamily Parajuloidea Bollman, 1893**

#### **Family Parajulidae Bollman, 1893**

#### **Subfamily Parajulinae Bollman, 1893**