The salticid fauna of Wichita County, Texas, as reported by Carpenter (1972, Southwest Nat. 17: 161-168) contained 30 species. In 1977, Ms. R.M. Carpenter kindly donated the remainder of her collection to Midwestern State University [3400 Taft, Wichita Falls, Texas 76308]. Examination of all her material and specimens accumulated at MSU over the past 10 years has resulted in many noteworthy additions, the majority of which were either identified or verified by Dr. D.B. Richman and Mr. G.B. Edwards of the University of Florida, for which their assistance is gratefully acknowledged.

Several changes are needed regarding the Carpenter material. Phidippus variegatus (Lucas) is a junior synonym of P. audax (Hentz), Pellenes coronatus (Hentz) equals P. coecatus (Hentz), and Hentzia palmarum (Hentz) becomes synonymous with Hentzia ambiguа (Walckenaer). The specimens of Marpissa bina (Hentz) are considered to be M. formosa Banks. Only the single immature of the specimens reported as Icius elegans (Hentz) actually belongs to this genus, but it is not elegans. The other specimens are Salticus peckhamae Cockerell.

New additions to the known Salticidae of Wichita County are:

- **Habrocestum acerbum** (Peckham & Peckham)
- **Hentzia** sp.
- **Marpissa lineata** (C.L. Koch)
- **Metaphidippus** cf. insignis (Banks)
- **Metaphidippus** sp. 1
- **Metaphidippus** sp. 2
- **Neonella** sp.
- **Phidippus cardinalis** (Hentz)
- **Phidippus comatus** Peckham & Peckham
- **Phidippus princeps** (Peckham & Peckham)
- **Phidippus** sp. 1
- **Phidippus** sp. 2
- **Peckhamia americana** (Peckham & Peckham)
- **Pellenes** cf. birgei Peckham & Peckham
- **Pellenes calcaratus** Banks
- **Pellenes** cf. hirsutus Peckham & Peckham
- **Pellenes limatus** Peckham & Peckham
- **Pellenes rutherfordi** Gertsch & Mulaik
- **Sarinda hentzi** Banks
- **Sitticus absolutus** Gertsch
- **Synageles noxiosa** (Hentz)
- **Zygoballus sexpunctatus** (Hentz)

The six species listed as undetermined are possibly new to science; unfortunately they belong to genera in need of revision.

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