

REIDENTIFICATION OF DAVID CAUSEY'S *CALIGUS* COLLECTIONS (CRUSTACEA: COPEPODA)

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Abstract.—The David Causey collections of *Caligus* from the Gulf of Mexico and Caribbean Sea housed at the University of Arkansas are reidentified and names are changed for about half of the samples.

During Causey's tenure at the University of Arkansas he authored four papers reporting on parasitic copepods from the Gulf of Mexico, Caribbean Sea and the west coast of Mexico (Causey 1953a, b, 1955, 1960). The reidentifications reported here are only of those from the Gulf and Caribbean. The identifications of the west coast of Mexico material will follow a study by the first author of all species of *Caligus* from the eastern Pacific Ocean.

Our report on the collection is arranged chronologically by Causey publication date. There are six previously unreported collec-

tions included herein. Also, some collections reported by Causey are not present in the collection.

We thank Dr. Nancy Glover McCartney, Curator of Zoology at the University of Arkansas Museum for bringing this collection to our attention and for loaning us the material for study. Other parasitic copepod material of Causey's is also present in U.A.M. collections and available for study.

All University of Arkansas Museum numbers in the table should be prefaced by 78-93-.

Parasitic Copepoda from Grande Isle, Louisiana

| UAM no. | Causey identification | new identification | host |
|--|-----------------------|----------------------------|-----------------------------|
| 78-93-183 | <i>C. bennetti</i> | <i>Scianophilus tenuis</i> | <i>Lobotes surinamensis</i> |
| 184 | <i>C. bennetti</i> | <i>Scianophilus tenuis</i> | <i>Lobotes surinamensis</i> |
| 194 | <i>C. haemulonis</i> | <i>Lepeophthirus</i> sp. | <i>Scianops ocellatus</i> |
| 227 | <i>C. pelamydis</i> | <i>Scianophilus tenuis</i> | <i>Pogonias cromis</i> |
| 235 | <i>C. productus</i> | <i>Caligus bonito</i> | <i>Coryphaena hippurus</i> |
| 236 | <i>C. productus</i> | <i>Caligus bonito</i> | <i>Coryphaena hippurus</i> |
| 239 | <i>C. productus</i> | <i>Caligus bonito</i> | <i>Coryphaena hippurus</i> |
| Additional records not in the collection | | | |

Parasitic Copepoda of Texas coastal fishes

| UAM no. | Causey identification | new identification | host |
|---------|-----------------------|------------------------------|------------------------------|
| 179 | <i>C. aliuncus</i> | <i>Tuxophorus caligoides</i> | <i>Rachycentron canadum</i> |
| 195 | <i>C. haemulonis</i> | <i>Caligus haemulonis</i> | <i>Galeichthys felis</i> |
| 196 | <i>C. haemulonis</i> | <i>Lepeophthirus</i> sp. | <i>Galeichthys felis</i> |
| 196 | | <i>Caligus haemulonis</i> | |
| 214 | <i>C. pelamydis</i> | caligid, not <i>Caligus</i> | <i>Pogonias cromis</i> |
| 215 | <i>C. pelamydis</i> | <i>Scianophilus tenuis</i> | <i>Pogonias cromis</i> |
| 216 | <i>C. pelamydis</i> | <i>Tuxophorus collettei</i> | <i>Sarda sarda</i> |
| 217 | <i>C. pelamydis</i> | <i>Tuxophorus collettei</i> | <i>Scomberomorus cavalla</i> |

| | | | |
|-----|----------------------|-----------------------------|--------------------------------|
| 218 | <i>C. pelamydis</i> | <i>Tuxophorus collettei</i> | <i>Scomberomorus cavalla</i> |
| 219 | <i>C. pelamydis</i> | <i>Scianophilus tenuis</i> | <i>Pogonias cromis</i> |
| 229 | <i>C. praetextus</i> | <i>Caligus praetextus</i> | <i>Galeichthys felis</i> |
| 254 | <i>C. rapax</i> | <i>Caligus</i> n. sp. | <i>Scomberomorus maculatus</i> |
| 257 | <i>C. robustus</i> | <i>Caligus robustus</i> | <i>Caranx hippos</i> |
| 258 | <i>C. robustus</i> | <i>Caligus robustus</i> | <i>Caranx hippos</i> |

Additional records not in the collection

Parasitic Copepoda from Gulf of Mexico fish

| UAM no. | Causey identification | new identification | host |
|---------|-----------------------|----------------------------|---------------------------------|
| 185 | <i>C. bennetti</i> | <i>Scianophilus tenuis</i> | <i>Lobotes surinamensis</i> |
| 197 | <i>C. haemulonis</i> | <i>Caligus haemulonis</i> | <i>Galeichthys felis</i> |
| 198 | <i>C. haemulonis</i> | <i>Caligus haemulonis</i> | <i>Galeichthys felis</i> |
| 199 | <i>C. haemulonis</i> | <i>Caligus haemulonis</i> | <i>Galeichthys felis</i> |
| 200 | <i>C. haemulonis</i> | <i>Caligus haemulonis</i> | <i>Bagre marinus</i> |
| 203 | <i>C. haemulonis</i> | <i>Caligus haemulonis</i> | <i>Pogonias cromis</i> |
| 207 | <i>C. mutabilis</i> | <i>Caligus mutabilis</i> | <i>Trachinotus carolinensis</i> |
| 220 | <i>C. pelamydis</i> | <i>Scianophilus tenuis</i> | <i>Pogonias cromis</i> |
| 221 | <i>C. pelamydis</i> | <i>Scianophilus tenuis</i> | <i>Pogonias cromis</i> |
| 224 | <i>C. pelamydis</i> | <i>Caligus mutabilis</i> | <i>Scomberomorus maculatus</i> |
| 225 | <i>C. pelamydis</i> | <i>Scianophilus tenuis</i> | <i>Pogonias cromis</i> |
| 226 | <i>C. pelamydis</i> | <i>Caligus mutabilis</i> | <i>Scomberomorus maculatus</i> |
| 228 | <i>C. pelamydis</i> | <i>Scianophilus tenuis</i> | <i>Pogonias cromis</i> |
| 230 | <i>C. praetextus</i> | caligid—not <i>Caligus</i> | <i>Bagre marinus</i> |
| 231 | <i>C. praetextus</i> | <i>Caligus</i> sp. male | <i>Bagre marinus</i> |
| 232 | <i>C. praetextus</i> | caligid—not <i>Caligus</i> | <i>Bagre marinus</i> |
| 233 | <i>C. praetextus</i> | caligid—not <i>Caligus</i> | <i>Bagre marinus</i> |
| 240 | <i>C. productus</i> | <i>Caligus bonito</i> | <i>Coryphaena hippurus</i> |
| 241 | <i>C. productus</i> | <i>Scianophilus tenuis</i> | <i>Pogonias cromis</i> |
| 262 | <i>C. setosus</i> | <i>Caligus haemulonis</i> | <i>Galeichthys felis</i> |

Additional records not in collection

Parasitic Copepoda from Mexican coastal fishes

| UAM no. | Causey identification | new identification | host |
|---------|-----------------------|----------------------------|---------------------------|
| 192 | <i>C. bennetti</i> | <i>Scianophilus tenuis</i> | <i>Kyphosus sectatrix</i> |
| 204 | <i>C. haemulonis</i> | <i>Caligus haemulonis</i> | "bandara-a cat" |

All other material in the collection reported in this paper is from the Pacific coast of Mexico.

Unreported collections of interest

| UAM no. | Causey identification | new identification | host |
|---------|-----------------------|------------------------------|----------------------------|
| 181 | <i>C. balistae</i> | <i>Caligus balistae</i> | <i>Canthidermis sabaco</i> |
| 186 | <i>C. bonito</i> | <i>Caligus chelifera</i> | <i>Brevoortia tyrannus</i> |
| 206 | <i>C. latifrons</i> | <i>Caligus praetextus</i> | <i>Scianops ocellatus</i> |
| 234 | <i>C. praetextus</i> | <i>Caligus atromaculatus</i> | <i>Lutianus griseus</i> |
| 237 | <i>C. productus</i> | <i>Caligus bonito</i> | "cutlass fish" |
| 261 | <i>C. setosus</i> | <i>Caligus haemulonis</i> | <i>Bagre marinus</i> |

Collection 181 is from Grande Isle, Louisiana. Collection 234 is from Alligator Harbor, Florida. Collections 186, 206, 237, and 261 are from Port Aransas-Laguna Madre, Texas.

Literature Cited

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