

## Synonymy of North American Odynerini Described by Peter Cameron

(Hymenoptera : Eumenidae)

R. M. BOHART

*University of California, Davis*

In the short period of seven years, 1905 to 1912, the prolific Hymenopterist, Peter Cameron, described 99 species of *Odynerus*-like wasps from North America. His work was careless, his descriptions poor, his locality data were often vague or omitted, his generic assignments were characteristically erroneous and contradictory, and he eschewed illustrations. Consequently, it is not surprising that only 28 of the 99 names which he proposed are still in use for species or subspecies. Four others are unrecognized, and the rest are synonyms.

One additional name was a typical Cameron mistake. The holotype of his *Odynerus simplicipes* (1905b: 380) is a male specimen of *Euparagia maculiceps* (Cameron), a masarid.

In 1960, with the help of a Guggenheim Foundation grant I was able to study about 500 type specimens of American wasps in European museums. The bulk of the Cameron material is located at the British Museum of Natural History, London (BMNH), where Dr. I. H. H. Yarrow and Mr. J. F. Perkins were most helpful during my stay and subsequently through correspondence. Also, a significant number of type specimens are in the collection of the Entomology Institute of the Technische Hochschule in Zürich, Switzerland (indicated below as Zürich), where I was assisted by Dr. P. Bovey and Dr. Willie Sauter.

Many of Cameron's American wasps were sent to him by C. F. Baker of Pomona College, Claremont, California (indicated below as Pomona). I have examined the few types which were returned there.

The following list contains all of the known Cameron names assignable to North American species of the genera, *Odynerus* Latreille, *Stenodynerus* Saussure, *Parancistrocerus* Bequaert, *Euodynerus* Dalla Torre, *Ancistrocerus* Wesmael, *Pachodynerus* Saussure, *Symmorphus* Wesmael, *Leptochilus* Saussure, *Dolichodynerus* R. Bohart, *Maricopodynerus* Viereck, and *Pterocheilus* Klug. Each item contains the name with its original generic placement, reference, sex, locality, present location of the type or types, presently used equivalent name, and pertinent synonyms.

**acanthopus** (*Odynerus*), 1908: 223. ♀♀, Fedor, Texas. Lectotype ♀, BMNH; paralectotype ♀, Zürich; paralectotype ♀, tristylopized, Pomona #4465.  
= *Parancistrocerus pedestris* (Saussure), 1855, new synonymy.

- acapulcoensis** (Nortonia), 1907: 186. ♀, Acapulco. Holotype, BMNH. = *Eumenes* sp. (probably).
- acuticarinatus** (Odynerus), 1909a: 82. ♀, Nogales, Arizona. Holotype, BMNH. = *Pachodynerus astraesus* (Cameron), 1905, new synonymy.
- aequalis** (Odynerus), 1906b: 329. ♀, New Mexico. Type location unknown; pseudotype ♀, Copper Basin, Arizona, BMNH. = *Euodynerus foraminatus aequalis* (Cameron), which predates *E. sapelloensis* (Cameron), 1909b, *E. deficiens* (Cameron), 1909b, and *E. jeromensis* (Cameron), 1909b.
- antheus** (Ancistrocerus), 1908: 210. ♂, Ormsby Co., Nevada. Lectotype ♂, Zürich; paralectotype ♂, Pomona #4842. = *Stenodynerus kennicottianus antheus* (Cameron) which was selected by first reviser over *S. tityrus* (Cameron), 1908, and *S. satyrus* (Cameron), 1908.
- approximatus** (Odynerus), 1909a: 79. ♂, Fedor, Texas. Holotype, BMNH (headless); pseudotypes, "Lee Co., Tex." and "Colo.," BMNH and Zürich. = *Stenodynerus anormis* (Say), 1824.
- argelus** (Odynerus), 1905c: 391. ♂, "Mexico." Holotype, BMNH. = *Stenodynerus otomitus* (Saussure), 1857.
- arizonaensis** (Odynerus), 1908: 208. ♀ ♀, Congress, Arizona. Lectotype, BMNH; ♀ ♀ from Congress, Arizona in Pomona College are not this species but *Parancistrocerus toltecus* (Saussure). = *Parancistrocerus leionotus yumus* (Viereck), 1908 which predates Cameron's name. Revised synonymy.
- astraeus** (Odynerus), 1905c: 390. ♀, "Mexico." Holotype, BMNH. = *Pachodynerus astraesus* (Cameron) which predates *P. pulverulentus* (Viereck), 1908, and *P. acuticarinatus* (Cameron), 1909.
- auranus** (Odynerus), 1906a: 148. ♂, Ormsby Co., Nevada. Holotype, Pomona #3956. = *Euodynerus auranus* Cameron s.s.
- bakeri** (Pterochilus), 1909b: 123. ♀, Claremont, California. Holotype, BMNH. = *Pterochilus bakeri* Cameron.
- bakerianus** (Ancistrocerus), 1908: 220. ♂, Ormsby Co., Nevada. Holotype, BMNH. = *Leptochilus bakerianus* (Cameron) which predates *L. occidentalis* Bohart, 1955, new synonymy.
- basimacula** (Nortonia?), 1908: 224. ♀, Fedor, Texas. Holotype, BMNH. = *Stenodynerus histrionalis paenevagus* Viereck), 1906, new synonymy.
- belizensis** (Ancistrocerus), 1907: 189. ♂, Belize. Holotype, BMNH. = *Stenodynerus* (or a new genus) *belizensis* (Cameron).
- belti** (Odynerus), 1907: 189. ♂, San Marcos, Nicaragua. Holotype, BMNH. = *Euodynerus crypticus* (Say), 1823, new synonymy.
- birkmanni** (Odynerus annulatus), 1909b: 124. No sex, Fedor, Texas. Holotype ♀, BMNH. = *Euodynerus annulatus* (Say) s.s., 1824.
- blakeanus** (Odynerus), 1909a: 80. ♀, Lee Co., Texas. Holotype, BMNH. = *Euodynerus foraminatus blakeanus* (Cameron) which predates *E. fedoris* Bohart, 1945, new synonymy.
- bradleyi** (Odynerus?), 1909a: 81. ♀, Durango, Colorado. Type location unknown. Unrecognized species.
- bruesi** (Odynerus), 1909a: 81. ♂, Claremont, California. Holotype, BMNH. = *Leptochilus rufobasilaris* (Ashmead), 1896.
- chelonogastrus** (Odynerus), 1908: 202. ♀, Jerome, Arizona. Holotype, BMNH. = *Maricopodynerus maricoporum* (Viereck), 1908, which predates Cameron's name.

- claremontensis** (Odynerus), 1905a: 122. ♀, mountains near Claremont, California. Holotype, BMNH. = *Stenodynerus claremontensis* (Cameron).
- cockerelli** (Ancistrocerus), 1908: 220. ♀, Ormsby Co., Nevada. Holotype, Zürich. = *Euodynerus cockerelli* (Cameron) which predates *E. infuscipennis* (Bohart), 1942, new synonymy.
- cogitans** (Symmorphus), 1906b: 325. ♀, Canada. Holotype, BMNH. = *Symmorphus canadensis* (Saussure), 1855.
- congressensis** (Odynerus), 1909b: 132. ♂ ♀, Prescott and Congress, Arizona. Lectotype ♀, BMNH #18.543a, Congress, Arizona; paralectotype ♂, BMNH #18.543b, Prescott, Arizona. = *Euodynerus pratensis* (Saussure), 1870.
- cosmiogaster** (Odynerus), 1905a: 123. ♂, Ormsby Co., Nevada. Holotype, BMNH. = *Pterocheilus decorus* Cresson, 1879.
- crassispinus** (Odynerus), 1909b: 130. ♂, Claremont, California. Holotype, BMNH. = *Stenodynerus anormis* (Say), 1824, new synonymy.
- cratocerus** (Leptochilus), 1909b: 122. ♂ ♂, Ormsby Co., Nevada. Lectotype ♂, BMNH, and 1 ♂ paralectotype (no abdomen), BMNH. = *Pterocheilus provancheri* (Huard), 1897.
- cressoni** (Odynerus), 1908: 198. ♂ ♀, Las Vegas, New Mexico. Type location unknown, pseudotype from Congress, Arizona in BMNH is not this species but *Euodynerus oslarensis* (Cameron). = *Stenodynerus taos* (Cresson), 1868.
- crotchii** (Odynerus), 1908: 197. ♂ ♀, Lee Co., Texas. Lectotype ♀, BMNH (no head or abdomen on lectotype or lectoparatype ♂). Unrecognized species because of condition of type specimens, possibly a *Leptochilus*.
- cytainus** (Odynerus), 1906a: 149. ♀, Claremont, California. Lectotype ♀, BMNH #18.553; paralectotype ♀, topotypic, Pomona #3948. = *Ancistrocerus adiabatous cytainus* (Cameron).
- deficiens** (Odynerus), 1909b: 126. ♂, Prescott, Arizona. Holotype, BMNH (cyanided). = *Euodynerus foraminatus aequalis* (Cameron), 1906, new synonymy.
- durangoensis** (Ancistrocerus), 1908: 216. ♂, Durango, Colorado. Holotype, Zürich. = *Ancistrocerus durangoensis* Cameron.
- edwardsii** (Odynerus), 1908: 207. ♀, mountains near Claremont, California. Holotype, BMNH. = *Ancistrocerus spilogaster* Cameron, 1905, new synonymy.
- fedorensis** (Odynerus), 1908: 200. ♂, Fedor, Texas. Holotype, BMNH. = *Leptochilus bellulus* (Cresson), 1872.
- flavobalteatus** (Pterochilus), 1909a: 84. ♀, Durango, Colorado. Holotype, BMNH. = *Pterocheilus morrisoni* Cresson, 1879, new synonymy.
- foxeanus** (Ancistrocerus), 1906b: 333. ♂, Sunbury, Pennsylvania. Holotype, Zürich. = *Parancistrocerus pedestris* (Saussure), 1855, new synonymy.
- fulvicarpus** (Ancistrocerus), 1908: 222. ♀, southwest Colorado. Holotype, Zürich. = *Ancistrocerus durangoensis* Cameron, 1908, new synonymy.
- fulvitaris** (Ancistrocerus), 1908: 205. ♂ ♀, Santa Clara Co., California. Lectotype ♀, Zürich; paralectotype ♂, BMNH. = *Ancistrocerus catskill halophila* (Viereck), 1902.
- gunnisonensis** (Ancistrocerus), 1906a: 146. ♂, Gunnison, Colorado. Holotype, Zürich. = *Ancistrocerus catskill* (Saussure), s.s., 1853.
- halmus** (Odynerus), 1905c: 389. ♂ ♀, Mexico. Lectotype ♂, BMNH. = *Euodynerus alvarado* (Saussure), 1857, new synonymy.

- harringtoni** (Odynerus), 1906b: 327. ♀, New Mexico. Type location unknown; pseudotype from Colorado in BMNH. = *Euodynerus foraminatus* (Saussure), 1853, s.s. new synonymy.
- heterospilus** (Odynerus), 1908: 201. ♀♀, Fedor, Texas. Lectotype, BMNH; paralectotype ♀, Zürich. = *Leptochilus monolobus* Bohart, 1951, new name for *heterospilus* Cameron, preoccupied.
- hornii** (Symmorphus), 1909b: 123. ♀, Gunnison, Colorado. Holotype, BMNH. = *Symmorphus cristatus* (Saussure), 1855.
- howardi** (Ancistrocerus), 1909a: 78. ♀♀, Lee Co., Texas. Lectotype ♀, BMNH #18.562a; paralectotype ♀ (headless), topotypic, BMNH #18.562b. = *Ancistrocerus adiabatatus* (Saussure), 1853, s.s., new synonymy.
- iolans** (Odynerus), 1905b: 389. ♀, Mexico. Holotype, BMNH. = *Stenodynerus iolans* (Cameron) which predates *S. pulchricornis* (Cameron), 1905, new synonymy.
- jeromensis** (Odynerus), 1909b: 131. ♂, Jerome, Arizona. Holotype, BMNH. = *Euodynerus foraminatus aequalis* (Cameron), 1906.
- lecontei** (Ancistrocerus), 1908: 218. ♀♀, Ormsby Co., Nevada; Berkeley and Golden, Colorado (latter was a ♂). Lectotype ♂ (Golden, Colorado), BMNH. = *Ancistrocerus antilope* (Panzer) s.s., 1798.
- leensis** (Ancistrocerus), 1908: 215. ♂, Lee Co., Texas. Holotype ♂, Zürich; a pseudotype ♀ from Lee Co., Texas in Pomona #4869. = *Parancistrocerus saecularis* (Saussure) s.s., 1853.
- leucospilus** (Odynerus), 1909: 133. ♂, Prescott, Arizona. Holotype, BMNH. = *Pterochelus laticeps* Cresson, 1872.
- lindemanni** (Ancistrocerus), 1908: 219. ♂, Lee Co., Texas. Holotype, Zürich. = *Stenodynerus lindemanni* (Cameron).
- lineativentris** (Ancistrocerus), 1906a: 146. ♂, Mountains near Claremont, California. Holotype, Pomona #3949. = *Ancistrocerus lineativentris* Cameron s.s.
- longipilosus** (Odynerus), 1908: 199. ♀♀, Golden, Colorado; San Miguel, Colorado. Lectotype ♀, Golden, Colorado, BMNH. = *Ancistrocerus catskill albo-phaleratus* Saussure, 1855.
- luteicollis** (Pterochilus), 1909a: 84. ♀♀, Ormsby Co., Nevada and Claremont, California. Lectotype ♀, Claremont, California, BMNH. = *Pterochelus mirandus* Cresson, 1879.
- macfarlandi** (Odynerus), 1909a: 79. ♀, Sapello Cañon, New Mexico. Holotype, BMNH. = *Parancistrocerus mxcfarlandi* (Cameron) which predates *P. chiri-cahuae* Bohart, 1949, new synonymy.
- maculifrons** (Pterochilus), 1908: 226. ♀, Berkeley, Colorado. Holotype, BMNH. = *Euodynerus annulatus* (Say) s.s., 1824.
- managuaensis** (Ancistrocerus), 1906a: 145. ♀, Managua, Nicaragua. Holotype, BMNH. = *Stenodynerus otomitus* (Saussure), 1857.
- mathewi** (Odynerus), 1906d: 268. ♂, Vancouver's Island. Holotype, Zürich. = *Stenodynerus blandus* (Saussure), 1870.
- mediatus** (Odynerus), 1909a: 79. ♂♀, Three Rivers, California. Lectotype ♂, BMNH. = *Stenodynerus claremontensis* (Cameron), 1905, new synonymy.
- minnesotaensis** (Odynerus), 1908: 231. ♂, Minnesota. Holotype, Zürich. = *Parancistrocerus perennis* (Saussure), 1857 (cyanided), new synonymy.
- nearcticus** (Ancistrocerus), 1906b: 332. ♂, Wilmerding, Pennsylvania. Type location unknown; pseudotype from Jeannette, Pennsylvania in BMNH is not this species. = *Ancistrocerus adiabatatus* (Saussure) s.s., 1853.

- nevadaensis** (Nortonia), 1905a: 124. ♂, Ormsby Co., Nevada. Holotype, Pomona #3453. = *Symmorphus cristatus nevadaensis* (Cameron).
- nigrohirsutus** (Ancistrocerus ?), 1908: 203. ♀, Boulder, Colorado. Holotype, Zürich. = *Euodynerus morelios* (Saussure), 1857.
- oratus** (Odynerus), 1908: 196. ♂, Fedor, Texas. Holotype, BMNH; pseudotype ♀, Pomona #4653 is same species. = *Euodynerus annulatus arvensis* (Saussure), 1870, variety, new synonymy.
- ormsbyensis** (Ancistrocerus), 1905a: 120. ♂ ♂, Ormsby Co., Nevada. Lectotype ♂, BMNH #18.570a; paralectotype ♂, topotypic, Pomona #3451. = *Ancistrocerus catskill* (Saussure) s.s., 1853, revised synonymy.
- oslarensis** (Odynerus), 1908: 199. ♀ ♀, Congress, Arizona. Lectotype ♀, Pomona #4468; specimen in BMNH mislabeled "type" of *cressoni* Cameron may be part of type series, also. = *Euodynerus oslarensis* (Cameron).
- packardi** (Odynerus), 1906c: 335. ♀, "North Mexico." Type locality unknown. = *Parancistrocerus toltecus* (Saussure), 1857, new synonymy.
- pallidipictus** (Odynerus), 1909a: 83. ♀, Hot Springs, Arizona. Location of type ♀ unknown; pseudotype ♀ ♀, Lee Co., Texas, Zürich, and Pomona. = *Stenodynerus taos* (Cresson), 1868, new synonymy.
- parvispinosus** (Ancistrocerus), 1906b: 332. ♀, New Mexico, Santa Fé District. Holotype, Zürich. = *Parancistrocerus pedestris* (Saussure) s.s., 1855.
- pelias** (Ancistrocerus), 1908: 208. ♀ ♀, Ormsby Co., Nevada. Lectotype ♀, BMNH; pseudotype ♂, Zürich is not this species. = *Stenodynerus cochisensis* (Viereck), 1908, which predates Cameron's name.
- philetas** (Odynerus), 1908: 214. ♀ ♀, Fedor, Texas. Lectotype ♀, Zürich; paralectotype ♀, topotypic, Pomona #4874. = *Stenodynerus anormis* (Say), 1824.
- phoenixensis** (Ancistrocerus), 1908: 225. ♂ ♀, Phoenix, Arizona. Lectotype ♂, BMNH. = *Stenodynerus microstictus* (Viereck), 1906.
- pictiventris** (Odynerus), 1906b: 331. ♀, New Mexico. Type location unknown; pseudotype ♀ from Thumb Butte, Arizona in BMNH agrees with original description. = *Ancistrocerus bustamente* (Saussure), 1857, new synonymy.
- pilosellus** (Odynerus), 1912: 221. ♀, Costa Rica. Holotype, BMNH. = *Ancistrocerus parredes* (Saussure), 1857.
- pruinosis** (Pterochilus), 1908: 227. ♀, Prescott, Arizona. Holotype, BMNH. = *Pterochilus pruinosis* Cameron.
- pulchricornis** (Ancistrocerus), 1907: 187. ♂, Belize. Holotype, BMNH. = *Stenodynerus iolans* (Cameron), 1905b, new synonymy.
- pulchrinervis** (Odynerus), 1906b: 328. ♀, New Mexico. Type location unknown. Unrecognized species.
- quebecensis** (Ancistrocerus), 1906b: 333. ♂, Montreal, Canada. Holotype, Zürich (headless specimen). = *Ancistrocerus catskill albophaleratus* (Saussure), 1855, new synonymy.
- rivularis** (Ancistrocerus), 1908: 215. ♂, Three Rivers, California. Holotype, BMNH. = *Euodynerus foraminatus scutellaris* (Saussure), 1870, new synonymy.
- ruficaudis** (Odynerus), 1906b: 328. ♀ ♀, New Mexico. Type location unknown; pseudotypes from Texas at BMNH and Zürich. = *Euodynerus annulatus* Say, s.s., 1824.
- santafeae** (Odynerus), 1906b: 330. ♀, New Mexico. Location of type unknown; pseudotype from Salida, Colorado in BMNH. = *Euodynerus foraminatus* (Saussure) s.s., 1853.

- sapelloensis** (Odynerus), 1909b: 125. ♀, New Mexico. Holotype, Zürich; pseudotype ♂, Las Vegas, New Mexico, BMNH, is the same subspecies. = *Euodynerus foraminatus aequalis* (Cameron), 1906.
- satyrus** (Ancistrocerus), 1908: 211. No sex, Ormsby Co., Nevada. Holotype ♂, Zürich. = *Stenodynerus kennicottianus antheus* (Cameron), 1908, selected by first reviser.
- sayi** (Ancistrocerus), 1908: 221. ♂, "southwest of the United States." Holotype (Ormsby Co., Nevada), BMNH. = *Leptochilus sayi* (Cameron) which predates *L. williamsi* Bohart, 1955, new synonymy.
- scudderi** (Odynerus), 1908: 196. ♀, "southwest of the United States." Type location unknown; pseudotype ♀, Chimney Gulch, Colorado, BMNH #18.541, does not agree with original description. Unrecognized species.
- simplicipes** (Odynerus), 1905b: 380. ♂, Mexico. Holotype, BMNH. = *Euparagia maculiceps* (Cameron) (Masaridae).
- simulator** (Ancistrocerus), 1908: 222. ♀, Ormsby Co., Nevada. Holotype, BMNH. = *Ancistrocerus simulator* Cameron.
- spilogaster** (Ancistrocerus), 1905a: 121. ♂, "Nevada or southern California." Lectotype ♂, Zürich, Ormsby Co., Nevada. = *Ancistrocerus spilogaster* Cameron which predates *A. edwardsii* (Cameron), 1908.
- sulciventris** (Odynerus), 1909b: 130. ♀, Nogales, Arizona. Holotype, BMNH. = *Euodynerus annulatum* (Say), s.s., 1824.
- tanynotus** (Odynerus ?), 1909b: 133. ♀, Congress, Arizona. Holotype, BMNH. = *Dolichodynerus tanynotus* (Cameron).
- tityrus** (Ancistrocerus), 1908: 211. ♀♀, Ormsby Co., Nevada. Lectotype ♀, BMNH; paralectotype ♀, topotypic, Zürich; paralectotype ♀, topotypic, Pomona College. = *Stenodynerus kennicottianus antheus* (Cameron), 1908, selected by first reviser.
- tosquineti** (Odynerus), 1909a: 82. ♂, Claremont, California. Holotype, BMNH. = *Leptochilus tosquineti* (Cameron).
- trichionotus** (Ancistrocerus), 1905a: 120. ♂, Stanford University, California. Holotype, Pomona College, Claremont, California. = *Ancistrocerus catskill halophila* Viereck, 1902.
- trichiosomus** (Odynerus), 1909b: 127. ♂, Galliñas Canyon, New Mexico. Holotype, BMNH. = *Euodynerus tempiferus* Viereck, s.s., 1908.
- trisulcatus** (Symmorphus), 1906b: 327. ♂, mountains nr. Santa Fé, New Mexico. Type location unknown; pseudotype from Nevada at BMNH is not this species. = *Symmorphus meridionalis* (Viereck), 1906, which predates Cameron's name.
- trituberculatus** (Ancistrocerus), 1907: 188. ♂, Belize. Holotype, BMNH. = *Euodynerus trituberculatus* (Cameron).
- truncatus** (Ancistrocerus), 1908: 217. ♀, Berkeley, Colorado. Holotype, Zürich. = *Stenodynerus anormis* (Say), 1824.
- vegasensis** (Odynerus), 1908: 210. No sex, Las Vegas, New Mexico. Lectotype ♂, Zürich; pseudotype ♀, topotypic, BMNH is *Stenodynerus papagorum* (Viereck). = *Stenodynerus taos* (Cresson), 1868.
- ventones** (Ancistrocerus), 1908: 209. ♂, Fedor, Texas. Lectotype, Zürich; paralectotype ♂, Pomona #4844. = *Stenodynerus ventones* (Cameron).
- viereckii** (Odynerus), 1909b: 127. ♀, Claremont, California. Holotype, BMNH. = *Euodynerus hidalgo viereckii* (Cameron).

**visellus** (*Odynerus*), 1906a: 147. ♂♂, Ormsby Co., Nevada. Lectotype ♂, BMNH; paralectotype ♂, Ormsby Co., Nevada, Pomona #3954. = *Euodynerus foraminatus scutellaris* (Saussure), 1870, new synonymy.

#### LITERATURE CITED

- CAMERON, PETER. 1905a. (October 27). On some Hymenoptera (chiefly undescribed) collected by Prof. C. F. Baker in Nevada and southern California. *Invertebrata Pacifica*, 1: 120–132.
- 1905b. (October). Descriptions of new species of neotropical Hymenoptera. *Trans. Amer. Entomol. Soc.*, 31: 373–388.
- 1905c. (October). Descriptions of four new species of *Odynerus* from Mexico. *Trans. Amer. Entomol. Soc.*, 31: 389–391.
- 1906a. (May 24). On new Vespidae collected by Prof. C. F. Baker in western North and Central America. *Invertebrata Pacifica*, 1: 145–150.
- 1906b. (December). A contribution towards a knowledge of the nearctic Odynerinae. *Trans. Amer. Entomol. Soc.*, 32: 325–334.
- 1906c. (December). Description of a new species of *Odynerus* from north Mexico. *Trans. Amer. Entomol. Soc.*, 32: 335.
- 1906d. (December). Description of a new species of *Odynerus* from Vancouver's Island. *Entomologist*, 39: 268.
1907. (October 8). On some Diplopteryga of Belize and Nicaragua. *Invertebrata Pacifica*, 1: 183–190.
1908. (July). A contribution towards the knowledge of the Odyneridae of the southwest of the United States. *Trans. Amer. Entomol. Soc.*, 34: 195–228.
- 1909a. (October). On some Diplopteryga from the southwest of North America. *Pomona Jour. Entomol.*, 1: 78–85.
- 1909b. (December). Some Odynerinae of the southwest United States. *Pomona Jour. Entomol.*, 1: 122–135.
1912. The Marabunta or wasps. Part III. Timehri. *Jour. Roy. Agric. and Commercial Soc. British Guiana*, 2: 207–231.

---

#### RECENT LITERATURE

THE CERAMBYCIDAE OF NORTH AMERICA. PART IV. TAXONOMY AND CLASSIFICATION OF THE SUBFAMILY CERAMBYCINAE, TRIBES ELAPHIDIONINI THROUGH RHINOTRAGINI. By E. Gorton Linsley. University of California Publications in Entomology, vol. 21: x + 165 pp., 52 figs. in text. 27 March 1963. Price \$3.50.

PART V. TAXONOMY AND CLASSIFICATION OF THE SUBFAMILY CERAMBYCINAE, TRIBES CALLICHROMINI THROUGH ANCYLOCERINI. By E. Gorton Linsley. *Ibid.*, vol. 22: frontispiece in color, viii + 197 pp., 60 figs. in text. 19 March 1964. Price \$4.00.

These parts are in the format of earlier ones noticed in this journal. Part IV includes the proposal of a new tribal name and the descriptions of two new species and two new subspecies. Part V contains the descriptions of a new tribe and a new genus. New synonymies are announced in both, especially in the Clytini.—HUGH B. LEECH, *California Academy of Sciences, San Francisco*.