

RECORDS AND NEW SPECIES OF COLEOPTERA FROM OKLAHOMA*

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AT THE present time there is probably less known about the coleopterous fauna of Oklahoma than about that of any other state of the Union. This is due in part to the early retention of the area as an Indian reservation—it was not opened at all to general settlement until 1889,—and in part to its intermediate situation, so that it was not included in any of the early government surveys. Furthermore, at no time in the past has Oklahoma been the residence of a general coleopterist, such as Hubbard and Schwarz in Michigan and Florida, Snow and Knaus in Kansas, and Wickham in Iowa.

Part I of the present report is a list, with citations to literature, of ninety-five species and two varieties of Coleoptera previously recorded from Oklahoma, of which only nineteen were published previous to 1900. While an effort has been made to make the list complete, except for seven species which are listed by the authors in a paper in volume six of the Proceedings of the Oklahoma Academy of Science, several citations may have been overlooked. The authors will appreciate being informed of these, in order that the deficiency may be made good in a supplementary list. Those species introduced on the authority of Sanborn 1912 and Sanborn Circ. 53 are presumably Oklahoma species, though the bulletins concerned do not state that all the forms mentioned are known from Oklahoma specimens. Undoubtedly Oklahoma specimens in collections far outnumber published records. It is hoped that the present list may stimulate the study and publication of some of this material. Professor Wickham's name is mentioned several times by Fall and Casey in connection with Oklahoma captures, and there is little doubt that his collection contains an extensive series from the state.

Part II of the present report is a list of species taken in Murray Co. in the neighborhood of Dougherty, June 2-28, 1924 by Dr. Ortenburger and Mr. Harold M. Hefley Jr. on a collecting expedition sent out by the University of Oklahoma Museum of Zoology under Dr. Ortenburger's charge. In addition are recorded a few species submitted by Dr. A. O. Weese from Murray Co., Oct. 10, and from Cleveland Co., Oct. 8, 18, and 25, 1924, and from Oklahoma Co. (Oklahoma City), Nov. 10, 1924. The specimens are deposited in the collection of the University of Oklahoma Museum of Zoology, and in the Hatch collection.

The numbers before the species are those used in Leng's "Catalogue of the Coleoptera of America North of Mexico" (1920). In part II a star (*) is placed before those species recorded from the state for the first time. The species name is followed by the number of specimens studied, the date, locality record by counties, and the habitat.

Including the fifty-nine species listed from Oklahoma for the first time by the authors in a paper in volume six of the Oklahoma Academy

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of Science, the total number of species recorded from the state is about two hundred. A conservative estimate would place the total beetle fauna of Oklahoma at from three to four thousand species.

LIST OF PUBLISHED RECORDS OF COLEOPTERA FROM OKLAHOMA

CICINDELIDAE

91. *Cicindela celeripes* Lec., Leng 1920, Cat. Col. Am.: 42.
95. *Cicindela schauppi* Horn, Leng ib.: 42.

CARABIDAE

176. *Calosoma externum* Say, Burgess and Collins 1917, U. S. Dept. Ag. Bull. 417: 21.
180. *Calosma scrutator* (Fab.), Burgess and Collins ib.:26.
184. *Calosoma sayi* Dej., Burgess and Collins ib.: 62.
195. *Calosoma lugubre* Lec., Burgess and Collins ib.:79.
207. *Calosoma cancellatum* Esch., Burgess and Collins ib.: 111.
219. *Callisthenes luxatus* (Say), Burgess and Collins ib.: 121 (*Calosoma*).
310. *Pasimachus elongatus* Lec., Casey 1913, Mem. Col. 4: 84.
312. *Pasimachus duplicatus* Lec., Leng 1920, Cat. Col. Am.: 47.
565. *Bembidion (Peryphus) texanum* Chd., Hayward 1897, Tr. Am. Ent. Soc. 24: 83.
590. *Bimbidion (Peryphus) dilatatum* (Lec.) Leng. ib.: 51.
655. *Bembidion (Notaphus) intermedium* Kirby, Hayward ib.: 106.
686. *Bembidion (Notaphus) cordatum* (Lec.), Hayward ib.: 96.
1309. *Celia remotistriata* Dej., Hamilton 1894, Tr. Am. Ent. Soc. 21: 353 (*Amara*).
1840. *Chlaenius platyderus* Chaud., Horn 1876, Tr. Am. Ent. Soc. 5: 269.
2048. *Selenophorus brevisculus* Horn 1880, Proc. Am. Phil. Soc. 19: 181; Caddo Co. (Fort Cobb).
2264. *Agonoderus quadricollis* Casey 1914, Mem. Col. 5: 296.

DYTISCIDAE

2537. *Agabus intersectus* Crotch 1873, Tr. Am. Ent. Soc. 4: 420 (*Gaurodyses*).
2591. *Ilybius suffusus* Crotch ib.: 411.

SILPHIDAE

2927. *Silpha (Oeceptoma) noveboracensis* Forst., Caudell 1891, Insect Life 3: 466.

STAPHYLINIDAE

4432. *Philonthus occidentalis* Horn 1884, Tr. Am. Ent. Soc. 11: 200.

HISTERIDAE

6563. *Hister (Spilodiscus) gloveri* Horn 1870, Tr. Am. Ent. Soc. 3: 135; Caddo Co. (Fort Cobb).

MELYRIDAE

7196. *Collops tricolor* Say, Fall 1912, Jr. N. Y. Ent. Soc. 20: 257.
7197. *Collops vicarius* Fall ib.: 258; Pittsburg Co. (McAlester).

CLERIDAE

7545. *Cymatodera inornata* Say, Leng 1920, Cat. Col. Am.: 149.
7597. *Enoclerus rosmarus* Say, Leng ib.: 150.

RHIPIPHORIDAE

7963. *Rhipiphorus scaber* Leconte 1880, Tr. Am. Ent. Soc. 8: 210 (*Myodites*).

MELOIDAE

8017. *Epicauta maculata* (Say), Sanborn 1912, Okla. Ag. Ex. Sta. Bull. 113:62.
8018. *Epicauta vittata* Fab., Sanborn ib.: 62.
8019. *Epicauta lemnicata* Fab., Sanborn ib.: 62.
8024. *Epicauta cinerea* (Forst.), Neal 1892, Okla. Ag. Ex. Sta. Bull. 3:12; Sanborn ib.: 61.
8033. *Epicauta pennsylvanica* (DeG.), Sanborn ib.:61

ELATERIDAE

8614. *Acolus dorsalis* (Say), Sanborn ib.:69 (*Drasterius elegans*).
 8915. *Hemicrepis decoloratus* (Say), Sanborn ib.: 69, (*Anaphes*).
 8836. *Hypnoidus cucullatus* Horn 1891, Tr. Am. Ent. Soc. 18: 17 (*Cryptohypnus*).
 8885. *Agriotes mancus* (Say), Sanborn ib.: 69.

BUPRESTIDAE.

9272. *Acmaeodera pulchella* (Hbst.), Chamberlin 1926, Buprestid. No. Am.: 32; Pittsburg Co. (McAlester, June 11).
 9399. *Agriaxia flavimana* (Gory), Chamberlin ib.: Ardmore, May 3.
 9473. *Chrysobothris purpureovittata* Horn, Chamberlin ib.: 167; Kingfisher Co. (Kingfisher, July 20).

NTIDULIDAE.

10094. *Eपुरaea umbrosa* Horn 1879, Tr. Am. Ent. Soc. 7: 300; Caddo Co. (Fort Cobb).

TENEBRIONIDAE.

11953. *Eleodes suturalis* (Say), Blaisdell 1909, U. S. Nat. Mus. Bull. 63: 203; Greer Co. (Mangum, Sept.).
 11953a. *Eleodes suturalis* var. *texana* Lec., Blaisdell ib.: 203; Greer Co. (Mangum, Sept.).
 11956. *Eleodes hispilabris* forma *typica* Blaisdell ib.: 222; Fort Supply.
 ----- *Eleodes hispilabris* forma *nupta* Blaisdell ib.: 222; Fort Supply.

ANOBIIDAE.

12717. *Trypopytis sericeus* (Say), Fall 1905, Tr. Am. Ent. Soc. 31: 190; Atoka Co. (Atoka).
 12824. *Catorama confusum* Fall ib.: 253; Craig Co. (Vinita), Pittsburg Co. (South McAlester), Atoka Co. (Atoka).
 12834. *Cryptorama minusum* (Lec.), Fall ib.: 257; Atoka Co. (Atoka).

SCARABAEIDAE.

13080. *Onthophagus hecate* Panz., Brown 1926, Okla. Ac. Sci. 5 (1925): 100; in dung in humid situations from Apr. to Nov.
 13081. *Onthophagus guatemalensis* Bates, Brown ib.: 100; Payne Co., in dung on sandy soil in spring.
 13082. *Onthophagus orpheus* Panz., Brown ib.: 100; rare in dung in moist woods.
 13086. *Onthophagus pennsylvanicus* Har., Brown ib.: 100; common in dung.
 13087. *Onthophagus cribricollis* Horn, Brown ib.: 101; Payne Co., taken in 1924 in moist woods, possibly feeding on decaying vegetable matter.
 13090. *Onthophagus tuberculifrons* Harold, Brown ib.: 101; Payne Co. in small woodland.
 13336. *Trox erinaceus* Lec., Horn 1874, Tr. Am. Ent. Soc. 5: 9.
 13448. *Diplotaxis lengi* Fall, Leng 1920, Cat. Col. Am.: 255.
 13526. *Phyllophaga corrosa* Lec., Horn 1887, Tr. Am. Ent. Soc. 14: 234 (*Lachnosterna affinis* Lec.).
 13685. *Macrodactylus subspinosus* (Fab.) Sanborn 1912, Okla. Ag. Ex. Sta. Bull. 100: 48; Herrick 1925, Manu. injur. insects: 179, entire state (map).
 13800. *Ochrosidia rufifrons* Casey 1915, Mem. Col. 6:145.

LUCANIDAE.

14037. *Lucanus elephas* Fab., Leng 1920, Cat. Col. Am.: 264.

CERAMBYCIDAE.

14671. *Cyllene robiniae* (Forst.), Sanborn and Painter 1917, Okla. Ag. Ex. Sta. Bull. 113: 3.
 15086. *Oncideres texanus* Horn, Sanborn 1911, 19th and 20th Ann. Rep. Okla. Ag. Ex. Sta.: 163.
 15088. *Oncideres cingulatus* (Say), Neal 1892, Okla. Ag. Ex. Sta. Bull. 3: 13; Lovett 1908, 18th Ann. Rep. Okla. Ag. Ex. Sta. 1909: 120; Sanborn ib.:163.

CHRYSOMELIDAE.

15408. *Pachybrachys vestigialis* Fall 1915, Tr. Am. Ent. Soc. 41: 416; Pittsburg Co. (South McAlester, June 11).
 15413. *Pachybrachys roboris* Fall ib.: 421; Atoka Co. (Atoka, June 13).

15112. *Saperda candida* Fab., Brooks 1919, U. S. Dept. Ag. F. Bull. 675: 3; entire state except extreme western tip of "panhandle" (map).
 15459. *Pachybrachys trinitatus* Melsh., Fall ib.: 467; LeFlore Co. (Wister, July 3).
 15464. *Pachybrachys falli* Leng, Fall ib.: 472 (*instabilis* Fall); Payne Co. (Stillwater), a variety, almost entirely pale, is somewhat doubtfully referred to this species.
 15575. *Fidia viricida* Walsh, Herrick 1925, Manu. injur. insects: 173; extreme northeastern and southeastern portions of the state (map).
 15648. *Leptinotarsa decemlineata* (Say), Sanborn 1912, Okla. Ag. Ex. Sta. Bull. 100: 46; 1920, 29th Ann. Rep. Okla. Ag. Ex. Sta.: 37; Herrick ib.: 227; entire state (map). Entered Oklahoma sometime between 1861 (its appearance in Kansas) and 1880 (its appearance in Texas).
 15769. *Diabrotica duodecimpunctata* (Fab.), Neal 1892, Okla. Ag. Ex. Sta. Bull. 3: 11; Sanborn 1912, Okla. Ag. Ex. Sta. Bull. 100: 32.
 15774. *Diabrotica longicornis* (Say), Herrick ib.: 305; destructive to corn throughout northern Oklahoma (map).
 15782. *Diabrotica vittata* Fab. Neal ib.: 11; Sanborn ib.: 36; Chittenden 1919 and 1923, U. S. Dept. Ag. F. Bull. 1038 and 1322: 4; throughout state.
 15854. *Cerotoma trifurcata* (Forst.), Sanborn ib.: 13.
 15917. *Haltica chalybea* Ill., Herrick ib.: 175; entire state (map).
 16014. *Chaetocnema pulicaria* Melsh., Sanborn ib.: 66.
 16066. *Phyllotreta vittata* (Fab.), Sanborn ib.: 56.
 16074. *Phyllotreta bipustulata* Fab., Sanborn ib.: 66.
 16080. *Phyllotreta pusilla* Horn, Chittenden and Marsh 1920, U. S. Dept. Ag. Bull. 902: 4; southwestern portion of state and extreme western portion of "panhandle" (map).
 16095. *Stenispis collaris* Baly, Leng 1920, Cat. Col. Am.: 303.

MYLABRIDAE.

16165. *Mylabris (Callosobruchus) pisorum* (L.), Sanborn ib.: 43 (*Bruchus*).
 16171. *Mylabris cheninse* (L.), Sanborn ib.: 41 (*Bruchus*); Krall 1914, Okla. Ag. Ex. Sta. Circ. 31: 2 (*Pachymerus*).
 16172. *Mylabris quadrimaculatus* Fab., Sanborn ib.: 12 (*Bruchus*); 1920, 29th Ann. Rep. Okla. Ag. Ex. Sta.: 42 (*Bruchus*); Wade 1919, Okla. Ag. Ex. Sta. Bull. 129: 4 (*Bruchus*).
 16221. *Mylabris obtectus* Say, Sanborn 1912, Okla. Ag. Ex. Sta. Bull. 100: 11 (*Bruchus*).

CURCULIONIDAE

16646. *Epicaerus imbricatus* Say, Sanborn ib.: 68.
 16893. *Dorytomus mucidus* (Say), Sanborn, Okla. Agr. Ex. Sta. Circ. 53: 6 (1922).
 17067. *Loeptes recessus* Casey 1910, Can. Ent. 42: 131; Atoka Co. (Atoka).
 17196. *Anthonomus (Anthonomorphus) fulvus* Lec., Dietz 1891, Tr. Am. Ent. Soc. 18: 195.
 17207. *Anthonomus grandis* Boh., Sanborn 1920, 29th Ann. Rep. Okla. Ag. Ex. Sta.: 39; 1922, Okla. Ag. and Mech. Coll. Ex. Serv. Circ. 151; Bondy et al. 1923, U. S. Dept. Ag. Circ. 266: 2-3 (detailed account of distribution in state). Entered state along southern border in 1905 and has since occupied all but about the single tier of counties along the northern and western borders.
 17418. *Lixus concavus* Say, Sanborn 1912, Okla. Ag. Ex. Sta. Bull. 100: 48.
 17426. *Lixus scrobicollis* Boh., Sanborn 1922, Okla. Ag. Ex. Sta. Circ. 53: 5; on bloodweed.
 17454. *Boris transversa* Say, Sanborn ib.: 5; on cocklebur.
 17566. *Trichobaris trimotata* (Say), Sanborn 1912, Okla. Ag. Ex. Sta. Bull. 100: 45; 1922, Okla. Ag. Ex. Sta. Circ. 53: 6, on jimson weed and Irish potato.
 17851. *Conotrachelus nenuphar* (Hbst.), Sanborn 1920, 29th Ann. Rep. Okla. Ag. Ex. Sta.: 44; Herrick 1925, Manu. injur. insects: 155; entire state east of about the 99th meridian (map).
 17883. *Conotrachelus atokanus* Fall 1913, Tr. Am. Ent. Soc. 39: 65; Atoka Co. (Atoka).
 17909. *Chalcodermus aeneus* Boh., Sanborn 1912, Okla. Agr. Ex. Sta. Bull. 100: 40.
 18135. *Calendra callosus* Oliv., Herrick ib.: 301 (*Sphenophorus*), south central portions of state (map).

II. LIST OF COLEOPTERA COLLECTED IN 1924.

CICINDELIDAE.

- *44. *Cicindela splendida* Hentz, 2; June 9, Oct. 8; Murray Co., Cleveland Co.
 *49. *Cicindela duodecimguttata* Dej., 1; Oct. 25; Cleveland Co.
 *50. *Cicindela repanda* Dej., 2, Oct. 18; Murray Co.
 51a. *Cicindela hirticollis ponderosa* Thoms., 1; Oct. 8; Cleveland Co.
 *69. *Cicindela sexguttata* Fab., 1; June 18; Murray Co.; in rocky gorge.
 *74. *Cicindela punctulata* Oliv., 3; Oct. 18-25; Cleveland Co., Murray Co.
 95. *Cicindela schauppi* Horn, 1; Oct. 25; Cleveland Co.

CARABIDAE.

- *170a. *Carabus sylvosus finitimus* Hald., 1; June 16; Murray Co.; at base of oak tree.
 176. *Calosoma externum* Say, 1; June 14; Murray Co.; in wooded ravine.
 180. *Calosoma scrutator* Fab., 1; June 18; Murray Co.; on oak tree.
 *313. *Pasimachus californicus* Chd., 1; June 6; Murray Co.; in woods.

BEMBIDIUM (ODONTIUM) WEESI n. sp.

Dorsum aeneous throughout, varying to more distinctly greenish at sides, throughout alutaceous. Below metallic green. Head 85% (male) or 80% (female) as wide as pronotum; antennae much less than half as long as body (female) or about half as long as body (male), with ventral portions of the basal and proximal portions of the next three segments testaceous, the remaining portions of the antennae greenish metallic. Pronotum 75% as long as wide, apex 88% (male) or 83% to 84% (female) as long as base; apex emarginate; base sinuate; sides arcuate in front, sinuate behind; basal angles prominent, nearly right angles; basal impressions bistriate. Elytra 2-3 wider than pronotum, with two unimpressed punctures on second interval near third stria; 8th stria distant from marginal stria beyond basal fourth; all the striae, including the 8th and marginal, impressed, more strongly so at extreme apex, and with prominent punctures that become obsolete about 2-3 of the distance to the apex; the 1st, 2nd, 5th, 8th, and marginal striae continuous to apex, the others becoming obsolete at about 84% of the distance to the apex. Legs testaceous except femora which are mostly greenish metallic. Length 5 mm. (male) 6 mm (female), width 2.5 mm. Type: male Cleveland Co. (Little River), Okla. X-25-1924. 4331. A. O. Weese collector. Paratypes: female Cleveland Co. (Canadian River), Okla. X-15-1924. 4288. A. O. Weese collector; 3 females: Cleveland Co. (15 mi. east of Norman), Okla. X-25-1924. 4325, 4326, 4327. A. O. Weese collector. Type and two paratypes in Hatch collection; two paratypes deposited in the Univ. of Okla. Mus. of Zool.

This species runs to *snowi* Csy. in the Casey's key (Mem. Col. 8 (1918): 11), from which it may be distinguished by its being of larger size, less slender, with base of pronotum wider than apex, and shorter antennae in the female. In all these respects it approaches *venator* Csy., from which it is separated by its longer pronotum. The position of the midlateral puncture of the pronotum is observed only with the greatest uncertainty once the seta has been lost, and the possibility of surely determining its absence without a study of pupal or freshly emerged material may be questioned, as well as the desirability of describing a new species on the basis of its apparent absence in a single specimen as in *unicum* Csy. From *unicum* Csy. the present species is separated by its unequal pronotal apex and base. From *carinatum* Lec. it is separated by its alutaceous pronotum, from *bowditchi* Lec. by its definite elytral striae, from *aenulum* Hay. by its larger size, and from both the latter by its longer pronotum, which in these species is said to be 2-3 as long as wide.

655. *Bembidion (Notaphus) intermedium* (Kby.), 1; Oct. 18; Murray Co.
 *1051. *Eumolops ampla* Csy., 2; June 9-24; Murray Co.
 1105. *Abacisus permundus* (Say), 1; June 25; Murray Co.
 *1711. *Colleida fulgida* Dej., 1; Oct. 8; Cleveland Co.
 1830. *Chlaenius solitarius* Say, 3; Oct. 8; Cleveland Co.
 1896. *Harpalus (Megapangus) caliginosus* (Fab.), 4; June 18-27; Murray Co.
 1925. *Harpalus pennsylvanicus* DeG., 1; Oct. 25; Cleveland Co.
 *2068. *Stenomorphus scolopax* Csy., 1; June 23; Murray Co.; at light.
 *2238. *Stenolophus conjunctus* (Say), Oct. 25; Cleveland Co.

OMOPHRONIDAE.

*2284a. *Omophron americanum iridescens* Csy., 1; Oct. 25; Cleveland Co. In Casey's key (N. Y. Ac. Sci. 7 (1897): 300-301) this form runs to *concinnum* Csy. from which it differs by having the proepimeron and prosternum completely fused, without sign of a suture, behind the coxa, and by having the stria punctures practically obsolete considerably before the apex. It runs to the *americanum* group in Bänninger's key (Ent. Mitteil. 10 (1921): 113-118) and is separated from *americanum* by its much narrower contour and by having the sides of the V-shaped pale mark on the head straight.

HYDROPHILIDAE.

- *2789. *Hydrous triangularis* (Say), 1; Oct. 25; Cleveland Co.
 *2807. *Tropisternus lateralis* (Fab.), 3; Oct. 25; Cleveland Co.

STAPHYLINIDAE.

*PHILONTHUS OKLAHOMENSIS n. sp.

Length 3.5 mm. Head black, smooth, shining, with four supraorbital setae, a single seta on either side on the front, and three setae on either side just in front of the neck. Antennae reaching about 2-3 way to the base of the pronotum; three basal segments nearly glabrous, paler; distal segments piceous, pubescent, the terminal ones nearly quadrate. Pronotum reddish brown, smooth, shining, narrowed in front, 89% as wide as long, wider than head, three punctures in discal row, with three punctures forming an oblique lateral series. Elytra finely punctate, pubescent; disc dark; lateral, apical and sutural margins pale. Basal 2-3 of abdominal terga dark, apical third pale. Legs pale. Male protarsomeres very broadly dilated and densely pubescent beneath. Prosternum pale. Meso- and metasternum dark. Abdominal sternites with basal portion dark, apical portion pale, except that the terminal sternite is entirely pale and, in the male has an acute V-shaped incision along apical margin. Type male, June 26, 1924, Dougherty, Murray Co., Okla. Collected by Harold M. Hefley Jr. Type in Hatch collection.

The following key has been drawn up from the published descriptions to exhibit the relationships of the new species and also in an attempt to index Casey's species. All forms are evidently related to *hepaticus* and are related in that all are members of Horn's Group A and are under 5.5 mm. in length. All except *hepaticus* are known from uniques, except that *pumilio* Csy. was described from two specimens.

KEY TO NEARCTIC SPECIES OF HEPATICUS-GROUP OF PHILONTHUS

- A¹ Antennae attaining at least to base of pronotum
 B¹ Antennae with paler basal segment
 C¹ Abdominal tergites with pale apical border; antennae with two basal segments paler; 4.5-5.5 mm. long; North and South America; South Australia
 ----- *hepaticus* Er.
 C² Abdominal tergites entirely black.
 D₁ Antennae attaining base of pronotum; 4 mm. long; Texas -----
 ----- *wacoensis* Csy.
 D² Antennae attaining middle of elytra.
 E¹ Pronotum longer than wide; 3.25-3.5 mm. long; Manitoba -----
 ----- *pumilio* Csy.
 E² Pronotum as wide as long; 3.8 mm. long; Montana -----
 ----- *convergens* Csy.
 B² Antennae without paler basal segment; abdominal tergites black
 C³ Base of second antennal segment paler; 4.2 mm. long; New Mexico -----
 ----- *laxellus* Csy.
 C₂ Base of second antennal segment not paler
 D³ Pronotum longer than wide; 4.8 mm. long; Montana -----
 ----- *longivenstris* Csy.
 D⁴ Pronotum as wide as long; 4.5 mm. long; Minnesota -----
 ----- *lacustris* Csy.
 A² Antennae attaining about two thirds the distance to the base of the pronotum, with three basal segments pale; abdominal tergites with pale apical border; pronotum 80% as wide as long; 3.5 mm. long; Oklahoma ----- *oklahomensis* n. sp.

LYCIDAE.

- *6926a. *Coleoptera reticulatum affine* Lec., 1; June 13; Murray Co., in wooded ravine.

LAMPYRIDAE.

- *6996. *Photinus pyralis* (L.), 2; June 27; Murray Co., at light.

MELYRIDAE.

- *7228. *Collops balteatus* Lec., 1; June 24; Murray Co.; on flower.

MELOIDAE.

- *8037. *Macrobasis longicollis* Lec., 8; June 26-27; Murray Co.; in alfalfa field, at light, on flowers.

- *8053. *Macrobasis immaculata* (Say), 5; June 26-27; Murray Co.; in alfalfa field.

8137. *Henous confertus* (Say), 6; June 13-26; Murray Co.; on flowers.

ELATERIDAE.

8571. *Alaus oculatus* (L.), 2; June 16-18; Murray Co.; wooded ravine. See Hatch, Records and New Species of Coleoptera from Oklahoma and Western Arkansas. This volume, page —

BUPRESTIDAE.

- *9287. *Acmaeodera neglecta* Fall, 19; June 18; Murray Co.; all from a single cactus bloom. The color pattern consists of about seven elements of which two are discal and basal, two discal and apical the anterior of which may become broken into as many of three distinct spots, and three lateral and apical. Specimens range from those in which all the elements are distinct (i.e. with seven to nine spots) to those in which the basal, apical discal, and apical lateral elements respectively tend to fuse forming three spots and even to those in which all the elements fuse to form a vitta that is, however, conspicuously mottled with dark.

- *9374. *Buprestis rufipes* (Oliv.) 1; June 16; Murray Co.; in wooded ravine.

NITIDULIDAE.

- *10040. *Carpophilus floralis* Er., 2; June 8; Murray Co; cactus bloom.

COCCINELLIDAE.

- *11158. *Ceratomegilla fuscilabris* (Muls.), 1; Oct. 18; Cleveland Co.

- *11173. *Hippodamia convergens* Guér., immaculate form, 1; Oct. 25; Cleveland Co.

TENEBRIONIDAE.

11956. *Eleodes hispilabris* forma *nupta* Blais., 1; Oct. 8; Cleveland Co.

MELANDRYIDAE.

- *12531. *Eustrophmus bicolor* (Fab.), Oct. 8; Cleveland Co.

ANOBIIDAE.

- *12742. *Lasioderma serricornis* (Fab.), 2; Nov. 11; Oklahoma Co.; in pepper package.

SCARABAEIDAE.

13048. *Canthon laevis* (Drury), 6; June 2-24; Murray Co., one specimen at light.

- *13059. *Pinosus carolinus* (Say), 1; June 23; Murray Co.

- *13065. *Copris tullius* Oliv., 1; June 8; Murray Co.

13072. *Phanaeus carnifex* (L.), 2; June 12-16; Murray Co.

13496. *Phyllophaga longitarsis* (Say), 2; June 26-27; Murray Co.

- *13498. *Phyllophaga hirtiventris* Horn, 1; June 4; Murray Co.; at light.

- 13757c. *Pelidnota lutea texensis* Cay., 7; June 26-27; Murray Co.; at light.

13800. *Ochrosidia rufifrons* Cay., 5; June 20-27; Murray Co.; one at light.

- *13902. *Xyloryctes sayanus* (Fab.), 1; June 27; Murray Co.

- *13942. *Euphoria (Haplophoria) clarki* Lec., 2; June 8-9; Murray Co.; cactus bloom.

- *13946. *Euphoria (Haplophoria) kerni* Hald., 8; June 2-8; Murray Co.; cactus bloom.

- *13947. *Euphoria (Haplophoria) texana* Schauf., 3; June 2-8; Murray Co. cactus bloom.

- *13953. *Euphoria (s. str.) sepulchralis* (Fab.), 1; June 12; Murray Co.; in woods.

CERAMBYCIDAE.

- *14074. *Stenodontes (Mallophon) dasytomus* Say, 2; June 26-27; Murray Co.;
at light.
*14220. *Elaphidion mucronatum* (Say), 1; June 9; Murray Co.; at light.
*14608. *Physocnemum brevilineum* (Say), 1; June 9; Murray Co.

CHRYSOMELIDAE.

- *15270. *Coscinoptera axillaris* Lec., 1; June 8; Murray Co.; cactus bloom.
15648. *Lepimotarsa decemlineata* (Say), 2; June 24; Murray Co.; on nettle.
15769. *Diabrotica duodecimpunctata* (Fab.), 4; Oct. 8; Cleveland Co.