

Coleopterorum Catalogus

auspiciis et auxilio

W. Junk

editus a

S. Schenkling.

Pars 139:

S. Schenkling

auxilio

G. A. K. Marshall

Curculionidae:

Anthonominae, Laemosaccinae.



W. Junk,
's-Gravenhage
1934.

Subfam. Anthonominae.

Auct. S. Schenkling auxilio G. A. K. Marshall.

- Reitter, Verh. Nat. Ver. Brünn LI, 1912 (1913) (Best.-Tab. 68), p. 7. — Marshall, Ann. Mag. Nat. Hist. (10) XI, 1933, p. 1.
- Erirhinites* (pars) Castelnau, Hist. Nat. Ins. Col. II, 1840, p. 332.
- Anthonomina* C. G. Thomson, Skand. Col. I, 1859, p. 144; VII, 1865, p. 320; X, 1868, p. 165, 210. — Fowler, Col. Brit. Isl. V, 1891, p. 214, 313. — Champion, Biol. Centr.-Amer. Col. IV, 4, 1903, p. 147; 1906, p. 722; IV, 7, 1910, p. 185.
- Anthonomides vrais* Lacordaire, Gen. Col. VI, 1863, p. 538, 575.
- Anthonomidae* Marseul, Cat. Col. Eur. ed. 2, 1863, p. 238. — Desbrochers, Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 331; (5) II, 1872, p. 413; Frelon II, 1892, p. 106.
- Brachonides* (pars) Tournier, Ann. Soc. Ent. Belg. XIV, 1874, p. 113.
- Brachonychides* Van Volxem, Compt. rend. Soc. Ent. Belg. 1874, p. LXXXII.
- Anthonomini* Stein, Cat. Col. Eur. 1868, p. 105. — Redtenbacher, Fn. Austr. ed. 3, 1874, II, p. 308. — J. Leconte, Proc. Amer. Philos. Soc. XV, 1876, p. 123, 193. — J. Leconte & Horn, Classif. Col. N. Amer. ed. 2, 1883, p. 465. — Bedel, Fn. Col. Bassin Seine VI, 1882—88 (1884), p. 67, 127; (1887), p. 295. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 179. — Everts, Col. Neerland. II, 1903, p. 549. — Pierce, Proc. U. S. Nat. Mus. XXXIV, 1908, p. 173. — Reitter, Verh. Nat. Ver. Brünn LI, 1912 (1913) (Best.-Tab. 68), p. 57, 73; Fn. Germ. V, 1916, p. 119, 190. — Wagner in Calwer-Schaufluss, Käferbuch, ed. 6, 1907—16 (1916), p. 1034, 1172. — Blatchley & Leng, Rhynchoph. N. East America 1916, p. 273. — Hustache, Ann. Soc. Ent. Fr. C, 1931, p. 254. — Porta, Fn. Col. Ital. V, 1932, p. 172, 235.
- Tychiini* (pars) Seidlitz, Fn. Balt. 1872—75 (1875), p. 124, 431. — Heyden, Reitter & Weise, Cat. Col. Eur. ed. 2, 1906, p. 681.
- Anthonomi* Marseul, Cat. Col. ancien monde 1889, p. 428.
- Tychiina* (pars) Seidlitz, Fn. Balt. ed. 2, 1887—91 (1891), p. 168, 638; Fn. Transsylv. 1888—91 (1891), p. 168, 710.
- Anthonomides* Desbrochers, Frelon II, 1892, p. 101, 1893, p. 156.
- Erirhini* (pars) Acloque, Fn. France, Col. 1896, p. 379.
- Anthonomiens* Lameere, Fn. Belge II, 1900, p. 490, 492.
- Loncophorini* & *Anthonomini* Pierce, Bull. U. S. Nat. Mus. LI, 1913, p. 467.
- Kataloge: Masters, Proc. Linn. Soc. N. S. Wales (2) I, 1886, p. 659—660 (Australien). — Heyden, Reitter und Weise, Cat.

Col. Eur. ed. 2, 1906, p. 682—683. — Schilsky, Syst. Verz. Käf. Deutschl. u. Deutsch-Oesterr. 1909, p. 178—179. — Smith, Ann. Rep. N. Jersey State Mus. 1909 (1910), p. 386—388. — Schultze, Philipp. Journ. Sc. XI, 1916, p. 141. — Leng, Cat. Col. Amer. North of Mexico 1920, p. 322—324. — Winkler, Cat. Col. palaeart. 1924—32 (1932), p. 1558—1561.

1. Tribus Anthonomini.

Lonchophorus Chevrr.

Chevrr. Ann. Soc. Ent. Fr. I, 1832, p. 210, 215 (*Loncophorus*). — Schönh. Gen. Spec. Curc. III, 1, 1836, p. 391; VII, 2, 1843, p. 293 (*Lonchophorus*). — Cast. Hist. Nat. Ins. Col. II, 1840, p. 343 (*Loncophorus*). — Blanch. Hist. Nat. Ins. II, 1845, p. 109. — Lacord. Gen. Col. VI, 1863, p. 577, 578. — Suffr. Arch. Naturgesch. XXXVII, 1871, I, p. 148. — Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 151. — Pierce, Bull. U. S. Nat. Mus. LI, 1917, p. 467 (*Loncophorus*).

- Chevrolati** Gyll. in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 393; VII, 2, 1843, p. 293. — Pierce, Bull. U. S. Nat. Mus. LI, 1917, p. 467. Brasilien
- Daviesi** Sweder. Vet.-Akad. Nya Handl. VIII, 1727, p. 194, t. 8, f. 5 (*Curculio*). — Gmel. in L. Syst. Nat. ed. 13, I, 4, 1790, p. 1773. — Ol. Ent. V, 1807, t. 8, f. 87. — Pierce, Bull. U. S. Nat. Mus. LI, 1917, p. 467 (*Loncophorus*). Cuba
- ecuadorius** Mshl. Stylops II, 1933, p. 65. Ecuador
- fortis** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 151, 152, t. 9, f. 11. Panama
- fusiformis** Champ. l. c. p. 152, 153, t. 9, f. 12, 12a, 13. Mexico,
Guatemala,
Panama
- humeralis** Chevrr. Ann. Soc. Ent. Fr. I, 1832, p. 442; in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 395; VII, 2, 1843, p. 293. — Pierce, Bull. U. S. Nat. Mus. LI, 1917, p. 467. Cuba
- petiminosus** Germ. in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 395; VII, 2, 1843, p. 293. — Suffr. Arch. Naturgesch. XXVII, 1871, I, p. 147. — Gundlach, Contrib. Ent. Cubana III, 5, 1891, p. 290. — Heyne-Taschenb. Exot. Käfer 1908, p. 230, t. 31, f. 27. — Pierce, Bull. U. S. Nat. Mus. LI, 1917, p. 468.
- nitidus** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 152, 154, t. 9, f. 16, 16a. — Pierce, Bull. U. S. Nat. Mus. LI, 1917, p. 468. Mexico,
Guatemala,
Panama,
Columbien
- obliquus** Chevrr. Ann. Soc. Ent. Fr. I, 1832, p. 218, t. 5, f. 1 a—b. — Gyll. in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 392; VII, 2, 1843, p. 293. — Cast. Hist. Nat. Ins. Col. II, 1840, p. 343. — Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 151, 152. — Mshl. Stylops II, 1933, p. 65. Brasilien,
Ecuador,
Nicaragua
- pustulatus** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 152, 153, t. 9, f. 14. Panama

Biologie: Journ. de Agr. VII, 1886, p. 172.

- varius** F. Syst. Ent. 1775, p. 142 (*Curculio*); Spec. Cayenne
 Ins. I, 1781, p. 180; Mant. Ins. I, 1787, p. 109;
 Ent. Syst. I, 2, 1792, p. 442; Syst. El. II,
 1801, p. 488 (*Rhynchaenus*). — Ol. Encycl.
 méth. V, 1790, p. 515 (*Curculio*).
parasita F. Ent. Syst. I, 2, 1792, p. 441 (*Cur-*
culio); Syst. El. II, 1801, p. 487 (*Rhynchae-*
nus). — Hbst. Natursyst. Ins. Kaf. VI, 1795,
 p. 204, t. 74, f. 4 (*Curculio*). — Ol. Ent. V,
 1807, p. 218, t. 15, f. 81 (*Rhynchaenus*). —
 Chevr. Ann. Soc. Ent. Fr. I, 1832, p. 218, t.
 5, f. 2—3 (*Lonchophorus*). — Schönh. Gen.
 Spec. Curc. III, 1, 1836, p. 394; VII, 2, 1843,
 p. 293. — Cast. Hist. Nat. Ins. Col. II, 1840,
 p. 343.
var. flavomaculatus Voet, Cat. II, 1769,
 p. 48, t. 35, f. 6 (*Curculio*).
proboscideus Panz. Voet's hartsch. Ins.
 IV, 1798, p. 50, t. 35, f. 6 (*Curculio*).
var. nigromaculatus Voet, Cat. II, 1769,
 p. 48, t. 35, f. 5 (*Curculio*).
thoracicus Panz. Voet's hartsch. Ins. IV,
 1798, p. 50, t. 35, f. 5 (*Curculio*).
var. varians Gmel. in L. Syst. Nat. ed. 13,
 I, 4, 1790, p. 1767 (*Curculio*).
verruciger Champ. Biol. Centr.-Amer. Col. IV, 4, Costa Rica
 1903, p. 152, 154, t. 9, f. 15, 15 a.
 11

Omogonus Chevr.

Chevr. Bull. Soc. Ent. Fr. 1878, p. XXIX.

- gibbus** Chevr. l. c. p. XXX. Cayenne
 1

Rhinolius Chevr.

Chevr. Bull. Soc. Ent. Fr. 1878, p. XXX.

- nigrirostris** Chevr. l. c. p. XXX. Brasilien
 1

Brachyognus Linell.

Linell, Journ. N. York Ent. Soc. V, 1897, p. 51, 52.

- ornatus** Linell, l. c. p. 51. Californien
 1

Atractomerus Dup. et Chevr.

Dup. et Chevr. in d'Orbigny, Dict. Hist. Nat. II, 1849, p. 312. — Chevr.
 Bull. Soc. Ent. Fr. 1878, p. XXXI. — Bovie, Ann. Soc. Ent. Belg. LI,
 1907, p. 71.

- dromedarius** Chevr. Bull. Soc. Ent. Fr. 1878, p. XXXI. Brasilien
nigrocalcaratus Dup. et Chevr. in d'Orbigny, Dict. Cayenne
 Hist. Nat. II, 1849, p. 312. — Chevr. Bull.
 Soc. Ent. Fr. 1878, p. XXXI.

Tachypterellus Fall & Cocker.

Fall & Cockerell, Trans. Amer. Ent. Soc. XXXIII, 1907, p. 214.

Tachypterus Dietz (nec Guér. 1838), Trans. Amer. Ent. Soc. XVIII, 1891, p. 182, 186. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 275, 285.

consors Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, Oregon p. 187.

subsp. *cerasi* List, Bull. 385 Colorado Agr. Exp. Stat. 1932, p. 8.

quadrigibbus Say, Descr. Curc. N. Amer. 1831, p. 15; ed. Lec. I, 1859, p. 277. — Gyll. in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 334; VII, 2, 1843, p. 235. — J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 195, 197. — Provancher, Pet. Faune Ent. Canada 1877, p. 527. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 186, t. 5, f. 3. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 285, fig. 78 d, 82 a—b. — List, Bull. 385 Colorado Agr. Exp. Stat. 1932, p. 13.

subsp. *magnus* List, Bull. 385 Colorado Agr. Exp. Stat. 1932, p. 10.

Morphologie: List, l. c. p. 15.

Biologie, Bekämpfung etc.: Walsh, Prairie Farmer XXX, 1864, p. 131, 2 Fig.; Pract. Ent. II, 1867, p. 80. — Glover, Rep. U. S. Comm. Agr. 1867 (1868), p. 58, fig.; 1870 (1871), p. 65, 60 Fig. — Riley, Prairie Farmer XL, 1869, p. 322; Amer. Ent. Bot. II, 1870, p. 243, fig. 152, p. 306; 3. Rep. nox. benef. Ins. Missouri 1870 (1871), p. 29; III. Journ. Agr. 1873, p. 109, figs.; Rep. Entomol. 1885 (1886), p. 279. — Bethune, Rep. Fruit Grow. Assoc. Ontario 1870 (1871), p. 92. — Le Baron, Prairie Farmer XLIII, 1872, 11. Mai; XLIV, 1873, p. 209. — Packard, Rep. Rocky Mountain Locust 1875 (1877), p. 795. — Osborn, Trans. Iowa Hort. Soc. XIII, 1878 (1879), p. 368, 19 Fig.; 1892 (1893), p. 96, 31 Fig. — Lintner, Cultivator and Country Gentl. XLV, 1880, p. 150; LII, 1887, p. 565. — Forbes, Trans. Ill. State Hort. Soc. (n. s.) XIX, 1883, p. 103. — Weed, Prairie Farmer LVII, 1885, p. 489. — Webster, Trans. Indiana Hort. Soc. 1885 (1886), p. 55. — Martin, Prairie Farmer 1888, p. 125. — Saunders, Ins. injur. fruits, ed. 2, 1889, p. 133, fig. 141. — Lelong, Rep. Calif. State Board Hort. 1889 (1890), p. 155, 59 Fig. — Gillette, Bull. Iowa Agr. Exp. Stat. XI, 1890, p. 490, 5 Fig.; Journ. Econ. Ent. XIX, 1926, p. 670. — Murtfeldt, Outlines of Ent. 1891, p. 72, fig. 30—31. — Pickler, Trans. Illin. State Hort. Soc. 1891, p. 210. — Chambliss, Bull. Tennessee Agr. Exp. Stat. VI, 1, 1893, 29 p., 19 Fig. — Bruner, Ann. Rep. Nebraska State Hort. Soc. 1894, p. 154, 233, 96 Fig.; 1898 (1899). p. 121, 108 Fig. — Fletcher, Ann. Rep.

U. S. Amerika

Ent. Soc. Ontario XXVII, 1896 (1897), p. 65. — Britton, Rep. Connecticut Agr. Exp. Stat. 1897 (1898), p. 314. — Cockerell, Bull. N. Mexico Agr. Exp. Stat. XXVII, 1898, p. 132. — Massay, Bull. North Carolina Agr. Exp. Stat. 149, 1898, p. 321. — Popenoe, Trans. Kansas State Hort. Soc. 1898 (1899), p. 40. — Lugger, Bull. Minnesota Agr. Exp. Stat. 66, 1899, p. 85, 164 Fig. — Smith, Ann. Rep. N. Jersey Agr. Exp. Stat. 1900 (1901), p. 477, 10 Fig. — Goff, Wiscons. Agricult. 1902, p. 11. — Ulke, Proc. U. S. Nat. Mus. XXV, 1902, p. 55. — Slingerland, Rural N. Yorker 1902, p. 464; 1903, p. 820. — Washburn, Bull. Minnesota Agr. Exp. Stat. 84, 1903, 184 p., 1 Taf., 119 Fig.; Ann. Rep. 8 State Entomol. Minnesota 1903. — Lochhead, Rep. Ent. Soc. Ontario XXXV, 1905, p. 29; XL, 1910, p. 68; Syn. Econ. Ent. 1914, p. 80. — Symons, Bull. Maryland Agr. Exp. Stat. 101, 1905, p. 144. — Hinds, Bull. 59 U. S. Dep. Agr. 1906, p. 245. — Stephens, Nebraska Hort. Soc. 1906, p. 31. — Swank, l. c. p. 252. — Funk, Bull. Pennsylv. Dep. Agr. 152, 1907, p. 227. — Wells, Michigan Farmer 51, 1907, p. 610; Kansas Hort. Soc. 1911, p. 316. — Weldon, Maryland Hort. Soc. 1907 (1908), p. 66. — Blair, Prairie Farmer 1908, p. 6. — Garman, Bull. Kentucky Agr. Exp. Stat. 133, 1908, p. 22. — Gosard, Bull. Ohio Agr. Exp. Stat. 198, 1908, p. 50; 223, 1911, p. 91; Rep. Ohio Hort. Soc. 51, 1918, p. 45. — Brooks, Rep. West Virginia Agr. Exp. Stat. 1909—10, p. 139; Bull. idem 126, 1910, p. 113. — Douglass, Rep. Indiana Entomol. III, 1910, p. 124. — Johannsen & Petch, Rep. Maine Comm. Agr. 1910, p. 372. — Moore, Bull. Wiscons. Agr. Exp. Stat. 190, 1910, p. 23; 207, 1911, p. 27. — Smith, Bull. N. Carolina Agr. Exp. Stat. 206, 1910, p. 82. — Fulton, Wright & Gregg, Bull. Pennsylv. Agr. Exp. Stat. 110, 1911, p. 15. — Hewitt & Hayhurst, Bull. Arkansas Agr. Exp. Stat. 109, 1911, p. 442. — Mitchell & Pierce, Proc. Ent. Soc. Wash. XIII, 1911, p. 53. — Ruggles & Stakman, Bull. Minnesota Agr. Exp. Stat. 121, 1911, p. 13. — Swaine, Ann. Rep. Ent. Soc. Ontario XLI, 1911, p. 94. — Rühl, Soc. Ent. XXVI, 1911—12, p. 31; XXXV, 1920, p. 24. — Baldwin, Indiana Ent. Rep. V, 1912, p. 84; VIII, 1916, p. 110. — Pierce, Bull. 100 U. S. Dep. Agr. 1912, p. 76. — Quaintance & Jenne, l. c. 103, 1912, p. 28. — Sanderson, Ins. Pests 1912, p. 634. — Caesar, Ann. Rep. Ent. Soc. Ontario XLIII, 1913, p. 76; XLIV, 1914, p. 50; XLV, 1915, p. 43; Canad. Ent. XLVII, 1915, p. 50. — Dean & Peairs, Kansas Agr. Educ. VI, 2, 1913, p. 57. — Petch, Ann. Rep. Ent. Soc. Ontario XLIII, 1913, p. 73; XLV, 1915, p. 71; Agr. Gazette Canada III, 1916, p. 697; Circ. Canad. Dep.

Agr. 36, 1925, 4 p. — O'Kane, Injur. Ins. 1914, p. 333. — Slingerland & Crosby, Manual Fruit Ins. 1914, p. 34, fig. 39. — Anonymus, Canad. Ent. XLVII, 1915, p. 49, 4 Fig. — Beach, Bull. Iowa Ent. 35, 1915, p. 13. — Gillette & List, Bull. Colorado Agr. Exp. Stat. 210, 1915, p. 8. — Hewitt, Rep. Canad. Entomol. 1915, p. 26; 1917—18, p. 13. — Hutchins, Michigan Farmer 144, 1915, p. 593. — Herrick, Insects of economic importance 1915, p. 42; Proc. N. York State Fruit Grow. Assoc. XV, 1916, p. 27. — Huard, Bull. Dep. Agr. Quebec XXIII, 1916, p. 42. — Hewitt, Dom. Canad. Dep. Agr. Exp. Farms 1916, p. 851. — Parrott, Address West. N. York Hort. Soc. 1917, 10 p. — Dudley, Ann. Rep. Maine XVI, 1917 (1918), p. 45, 1 Taf., 5 Fig.; XVIII, 1919, p. 79. — Crosby, Rural N. Yorker 76, 1918, p. 325. — Fulton, Circ. N. York 57, 1918, p. 8; Bull. N. York Agr. Exp. Stat. 475, 1920, p. 24; Trans. Iowa Hort. Soc. 60, 1925, p. 36; Journ. Agr. Research 36, 1928, p. 249; Circ. Iowa 1929, p. 117. — Stewart, Pennsylv. Farmer 43, 1918, p. 528. — Peacock, Purdue Agr. XIII, 1919, p. 393. — Lewis, Chase & Turner, Bull. 53 Georgia Board Ent. 1919, p. 10. — Crandall, Trans. Illinois Hort. Soc. (n. s.) 54, 1920, p. 295. — Sander-son, Ins. Pests, ed. 2, 1921, p. 561. — Wat-son, Florida Ent. IV, 1921, p. 34. — Kelly, Bienn. Rep. Kansas Hort. Soc. 36, 1920—21 (1922), p. 183. — Knight, Bull. N. York Agr. Exp. Stat. 485, 1922, p. 410. — Quaintance & Siegler, Farmers' Bull. U. S. Dep. Agr. 1270, 1922, p. 19. — Gibson, Rep. Canad. Ent. 1919—20 (1923), p. 20. — Clark, Trans. Iowa Hort. Soc. 60, 1925, p. 39; 61, 1927, p. 33; Mag. Amer. Fruit Grow. 47, 5, 1927, p. 21. — Petch & Armstrong, Rep. Quebec Soc. Prot. Plants XVII, 1925, p. 73. — Fulton, Rep. 60 Iowa State Hort. Soc. 1925, p. 36, 2 Taf.; Journ. Agr. Research 36, 1928, p. 249, 5 Fig. — Metcalf & Flint, Destruct. and use-ful Ins. 1928, p. 581, fig. 384, 386. — Bourne, Rep. Massach. Fruit Growers Assoc. 35, 1929, p. 122. — Gibson & Twinn, Bull. 112 Canad. Dep. Agr. 1929, p. 56. — Houser, Proc. Ohio State Hort. Soc. 62, 1929, p. 51. — Hedrick, Ann. Rep. 51 N. York State Agr. Exp. Stat. 1932, p. 69. — List, Bull. 385 Colorado Agr. Exp. Stat. 1932, p. 18, fig. — Smith & Kel-logg, Kansas Ent. Soc. VI, 1933, p. 48. — Hammer, Journ. Econ. Ent. XXVI, 1933, p. 420, 1 Taf.

Parasiten: Girault, Psyche XIV, 1907, p. 27.

nodulosus Mshl. Treubia VIII, 1926, p. 343.

Java

Anthonomus Germ.

Germ. in Ersch & Gruber, Encycl. Wissensch. IV, 1817, p. 274; Mag. Ent. IV, 1821, p. 320. — Schönh. Disp. meth. Curc. 1826, p. 236; Gen. Spec. Curc. III, 1, 1836, p. 332; VII, 2, 1843, p. 212. — Steph. III. Brit. Ent. Mand. IV, 1831, p. 72; Man. Brit. Col. 1839, p. 212. — Cast. Hist. Nat. Ins. Col. II, 1840, p. 341. — Blanch. Hist. Nat. Ins. II, 1845, p. 108. — Redt. Gatt. deutsch. Käferfn. 1845, p. 41; Fn. Austr. 1849, p. 41, 405; ed. 2, 1858, p. CXXIII, 767; ed. 3, 1874, I, p. CXXXVI, II, p. 306. — Walton, Ann. Mag. Nat. Hist. (2) I, 1848, p. 295, 416; (2) II, 1848, p. 166; Stett. Ent. Zeit. X, 1849, p. 258. — Bach, Käferfn. II, 1852—54, p. 156, 306. — Gutfl.-Bose, Käf. Deutschl. 1859, p. 452, 519. — C. G. Thoms. Skand. Col. I, 1859, p. 144; VII, 1865, p. 320; X, 1868, p. 210. — Lacord. Gen. Col. VI, 1863, p. 577, 580. — Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 337, 411—470; Frelon II, 1892—93 (1892), p. 106—116, 127—144, (1893), p. 145—148, 156—158. — Rye, Ent. Monthly Mag. VI, 1869, p. 87 (England). — Crotch, Entomologist IV, 1869, p. 308 (England). — Taschenb. Ent. Gärtner u. Gartenfreunde 1871, p. 65; Verh. Nat. Ver. preuss. Rheinl. u. Westf. XXIX, 1872, p. 147; Prakt. Ins.-Kunde I, 1879, p. 150. — Suffr. Arch. Naturgesch. XXXVII, 1871, I, p. 126. — Seidl. Fn. Balt. 1872—75 (1875), Gatt. p. 124, Arten, p. 433; ed. 2, 1887—91 (1891), Gatt. p. 168, Arten p. 639; Fn. Transsylv. 1888—91 (1891), Gatt. p. 168, Arten p. 712. — J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 194. — Provancher, Pet. Fn. Canada I, 1877, p. 526. — J. Lec. & Horn, Classif. Col. N. Amer. ed. 2, 1883, p. 481. — Bedel, Fn. Col. Bassin Seine VI, 1882—88 (1884), p. 127, 128, (1887), p. 195, (1888), p. 425. — C. Schklg. Deutsche Käferwelt 1885, p. 228, 270. — Fowler, Ent. Monthly Mag. XXVI, 1890, p. 309 (England); Col. Brit. Isl. V, 1891, p. 314. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 183, 188 (N. Amerika). — Stierl. Fn. Col. Helvet. II, 1886—98 (1893), p. 331. — Angell, Journ. N. York Ent. Soc. I, 1894, p. 12 (N. Amerika). — Henschel, Schäd. Forst- u. Obstbaum-Ins. 3. Aufl. 1895, p. 86. — Acloque, Fn. France, Col. 1896, p. 385. — Lameere, Man. Fn. Belge II, 1900, p. 492, 493. — Everts, Col. Neerland. II, 1903, p. 555, 640; III, 1922, p. 574. — Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 155; IV, 7, 1910, p. 186. — O. Taschenb. Ins. nach Schaden u. Nutzen, 2. Aufl. 1906, p. 84. — Ferrant, Schäd. Ins. Land- u. Forstwirtschaft. 1908—11 (1908), p. 115. — Reitt. Verh. Nat. Ver. Brünn LI, 1912 (1913) (Best.-Tab. 68), p. 73; Fn. Germ. V, 1916, p. 190, 191. — C. Schauf. in Calwer, Käferbuch, 6. Aufl. 1907—16 (1916), p. 1172. — Kuhn, III. Best.-Tab. Käf. Deutschl. 1913, p. 920, 1003. — Fall, Trans. Amer. Ent. Soc. XXXIX, 1913, p. 46 (N. Amerika). — Blatchley & Leng, Rhynchoph. N. East Amer. 1916, p. 275, 287. — Hansen, Danmarks Fauna XXII: Snudebiller 1918, p. 208. — Hustache, Ann. Soc. Ent. Fr. C, 1931, p. 254, 255. — Porta, Fn. Col. Ital. V, 1932, p. 235.

Toplethus: Bedel, Fn. Col. Bassin Seine VI, 1882—88 (1884), p. 129, (1887), p. 295.

Toplithus Gozis, Rev. d'Ent. I, 1882, p. 203; IV, 1885, p. 279.

Morphologie: Henneguy, Compt. rend. Assoc. Anat. Rennes 1906, p. 137 (Muskelansatz).

Biologie: Chapuis & Candèze, Mém. Soc. Sc. Liège VIII, 1853, p. 556; Cat. Larv. Col. 1853, p. 216. — Perris, Ann. Soc. Linn. Lyon XXIII, 1876 (1877), p. 241; Larves Col. 1877, p. 401. — Altum, Forstzoologie, 2. Aufl. II, 1881, p. 216. — Bargagli, Bull. Soc. Ent. Ital. XVII, 1885, p. 20. — C. Schklg. Ins.-Börse XIII, 1896, p. 251. — Pierce, Proc. Ent. Soc. Washington IX, 1907, p. 13; Bull. U. S. Dep. Agr. Bur.

- Ent. 63, 1907, p. 39, t. 1. — Hinds, Bull. U. S. Dep. Agr. Bur. Ent. 73, 1907, p. 45. — Smits van Burgst, Nuttige en schadelijke Ins. 1907, p. 104. — Bourgeois, Bull. Soc. Hist. Nat. Colmar IX, 1908, p. 181 nota; Cat. Col. Vosges VI, 1908, p. 495 nota. — Kleine, Ent. Blätt. VI, 1910, p. 285. — Reh in Sorauer, Pflanzenkrankh. 3. Aufl. III, 1906—13 (1912), p. 554; 4. Aufl. V, 2, 1932, p. 268. — Hunter & Pierce, Circ. 167, U. S. Dep. Agr. Bur. Ent. 1903, 3 p. — Townsend, Science (n. s.) XXXVII, 1913, p. 638. — Coad, Journ. Agr. Research II, 1914, p. 235. — Hunter, Journ. Econ. Ent. VII, 1914, p. 234. — C. Schauf, in Calwer, Käferbuch, ed. 6, 1907—16 (1916), p. 1172. — Weber, Ent. Blätt. XIV, 1918, p. 16. — Stackelberg u. a., Bull. Plant Prot. ser. I, Ent. V, 1932, p. 312.
- Subg. *Anthonomidi*us Reitt. Ent. Blätt. XI, 1915, p. 118.
- Subg. *Anthomorphus* Weise, Deutsche Ent. Zeitschr. XXVII, 1883, p. 255. — Bedel, Fn. Col. Bassin Seine VI, 1882—1888 (1884), p. 128. — Desbr. Frelon II, 1892, p. 106.
- Subg. *Anthonomochaeta* Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 189, 246.
- Subg. *Anthonomocyllus* Dietz, l. c. p. 189, 191. — Blatchley & Leng, Rhynchoph. N. East Amer. 1916, p. 287, 288.
- Subg. *Anthonomorphus* Dietz, l. c. p. 189, 194.
- Anthonomomorphus* Sharp, Zool. Rec. Ins. 1891 (1892), p. 142.
- Subg. *Anthonomus* s. str. Dietz, l. c. p. 189, 202. — Desbr. Frelon II, 1892, p. 106. — Blatchley & Leng, Rhynchoph. N. East Amer. 1916, p. 287, 292.
- Subg. *Cnemocyllus* J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 193. — J. Lec. & Horn, Classif. Col. N. Amer. ed. 2, 1883, p. 481. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 189, 239.
- Subg. *Coccotorus* J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 193. — J. Lec. & Horn, Classif. Col. N. Amer. ed. 2, 1883, p. 481. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 189, 191. — Blatchley & Leng, Rhynchoph. N. East Amer. 1916, p. 287. — Chittenden, Proc. Ent. Soc. Washington XXVII, 1925, p. 129.
- Subg. *Furcipes* Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 414; Frelon II, 1892, p. 127, 156. — Faust, Oefv. Vet.-Soc. Forh. XXXII, 1890, p. 92.
- Furcipes* Desbr. Frelon II, 1892, p. 106. — Bedel, Fn. Col. Bassin Seine VI, 1882—88 (1884), p. 128, (1887), p. 295. — Reitt. Verh. Nat. Ver. Brünn LI, 1912 (1913) (Best.-Tab. 68), p. 74; Fn. Germ. V, 1916, p. 190, 194. — Everts, Col. Neerland. II, 1903, p. 640. — Wagner in Calwer-Schaufl. Käferbuch, ed. 6, 1907—16 (1916), p. 1173. — Hustache, Ann. Soc. Ent. Fr. C, 1931, p. 258. — Porta, Fn. Col. Ital. V, 1932, p. 235, 238.
- Subg. *Homoeanthonomus* Hustache, Sbornik Ent. Odd. Nár. Mus. Praha X, 1932, p. 55.
- Subg. *Leptarthus* Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 189, 197. — Blatchley & Leng, Rhynchoph. N. East Amer. 1916, p. 287, 291.
- Subg. *Paranthonomus* Dietz, l. c. p. 189, 199. — Blatchley & Leng, l. c. p. 287, 290.
- Subg. *Sexarthrus* Blatchley & Leng, l. c. p. 287, 311.
- Subg. *Trichobaropsis* Dietz, l. c. p. 189, 196.

Paläarktische Arten.

Subg. *Furcipes* Desbr.

rectirostris L. Syst. Nat. ed. 10, 1758, p. 383 (*Curculio*). — Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 414, 416 (*Furcipes*); Frelon II, 1892, p. 106 (*Furcipes*), p. 127, 156 (*Furcipes*). — Bedel, Fn. Col. Bassin Seine VI, 1882—88 (1884), p. 128, (1887), p. 295 (*Furcipes*). — Everts, Col. Neerland. II, 1903, p. 640; III, 1922, p. 574. — Zimmermann, Blätt. Obst-, Wein- u. Gartenbau (Brünn) III, 1905, p. 61. — Ferrant, Schäd. Ins. Land- u. Forstw. 1908—11 (1908), p. 118. — Kuhnt, Ill. Best.-Tab. Käf. Deutschl. 1913, p. 1003, fig. 318a. — Reitt. Fn. Germ. V, 1916, p. 194, t. 163, f. 13. — Wagner in Calwer-Schaufl. Käferb. 1907—1916 (1916), p. 1175. — Hansen, Danmarks Fn. XXII, Snudebiller 1918, p. 208, 209, fig. 208 a. — Hustache, Ann. Soc. Ent. Fr. C, 1931, p. 255, 258. — Porta, Fn. Col. Ital. V, 1932, p. 238.

Nord- u. Mitteleuropa,
W. Sibirien,
Japan

druparum L. Fn. Suec. ed. 2, 1763, p. 181 (*Curculio*); Syst. Nat. ed. 12, I, 2, 1767, p. 614. — De Geer, Mém. Hist. Ins. V, 1775, p. 214. — F. Syst. Ent. 1775, p. 143; Spec. Ins. I, 1781, p. 181; Mant. Ins. I, 1787, p. 109; Ent. Syst. I, 2, 1792, p. 443; Syst. El. II, 1801, p. 489 (*Rhynchaenus*). — O. F. Müller, Zool. Dan. Prodr. 1776, p. 89 (*Curculio*). — Villers, Ent. Car. Linn. I, 1789, p. 198. — Gmel. in L. Syst. Nat. ed. 13, I, 4, 1790, p. 62. — Ol. Encycl. méth. V, 1790, p. 518. — Rossi, Fn. Etrur. I, 1790, p. 124; ed. Hellwig I, 1795, p. 133. — Payk. Mon. Curc. Suec. 1792, p. 11; Fn. Suec. III, 1800, p. 197. — Hbst. Natursyst. Ins. Käf. VI, 1795, p. 156, t. 70, f. 5. — Panz. Deutsche Insectenfauna 1795, p. 317; in Voet, Beschr. hartsch. Ins. IV, 1798, p. 54, t. 36, f. 16. — Cederhjelm, Fn. Ingr. 1798, p. 110. — Walcken. Fn. Paris. I, 1802, p. 239. — Bechst. & Scharfenb. Naturgesch. Forstins. I, 1804, p. 166. — Latr. Hist. Nat. Crust. Ins. XI, 1804, p. 149. — Gyll. Ins. Suec. I, 3, 1813, p. 191 (*Rhynchaenus*); in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 336 (*Anthonomus*); VII, 2, 1843, p. 235. — Germar, Mag. Ent. IV, 1821, p. 324. — Zetterst. Fn. Ins. Lapp. I, 1828, p. 304 (*Rhynchaenus*); Ins. Lapp. I, 1839, p. 233. — C. R. Sahlb. Ins. Fenn. II, 1835, p. 82. — Dahlb. Skand. Ins. 1837, p. 62 (*Anthonomus*). — Cast. Hist. Nat. Ins. Col. II, 1840, p. 341. — Gebler, Bull. Moscou XXI, 1848, p. 373. — Redt. Fn. Austr. 1849, p. 406; ed. 2, 1858, p. 768; ed. 3, 1874, II, p. 309. — Bach, Käferfn. II, 1852—54 (1854), p. 309. — Gutfl.-Bose, Käf. Deutschl. 1859, p. 520. — C. G. Thoms. Skand. Col.

VII, 1865, p. 321; X, 1868, p. 210, 211. — Kolen. Bull. Moscou XXXII, 1859, II, p. 341. — Taschenb. Ent. Gärtner u. Gartenfr. 1871, p. 70; Prakt. Ins.-Kunde I, 1879, p. 154. — Seidl. Fn. Balt. 1872—75 (1875), p. 413; ed. 2, 1887—91 (1891), p. 639; Fn. Transsylv. 1888—91 (1891), p. 712. — C. Schklg. Deutsche Käferwelt 1885, p. 272, t. 17, f. 19. — Stierl. Fn. Col. Helvet. II, 1893, p. 331. — Henschel, Schäd. Forst- und Obstbaum-Ins. ed. 3, 1895, p. 101. — Rey, Echange XI, 1895, p. 3. — Acloque, Fn. France, Col. 1896, p. 385. — Lameere, Fn. Belge II, 1900, p. 493. — Kuhnt, Ill. Best.-Tab. Käf. Deutschl. 1913, p. 1125.

tesselatus Geoffr. in Fourcroy, Ent. Paris. I, 1785, p. 129 (*Curculio*).

Biologie: Frisch, Beschr. Ins. I, 1720, p. 32, t. 8, f. 1—3. — Schmidberger, Erzieh. Zwergb. 1821, p. 180. — Lyonet, Recherch. anat. 1832, p. 120, t. 12, f. 13—19. — Rusticus, Ent. Mag. I, 1833, p. 33. — Bouché, Naturgesch. Ins. 1834, p. 200, t. 10, f. 12—14. — Ratzeb. Forstins. I, 1837, p. 125, t. 5, f. 8; Nachtr. 2. Ausg. 1839, p. 33. — Kollar, Naturgesch. schäd. Ins. 1837, p. 252. — Vallot, Mém. Acad. Sc. Dijon 1837—38, p. 65. — Nördl. Stett. Ent. Zeit. 1848, p. 231; Kleinere Feinde Landwirthsch. 1855, p. 214. — Chapuis & Candèze, Cat. Larves 1853, p. 217. — Goureau, Ins. nuis. arbres fruit. 1861, p. 11. — Taschenb. Ent. Gärtner u. Gartenfr. 1871, p. 70; Prakt. Ins.-Kunde I, 1879, p. 155. — Girard, Traité d'Ent. 1873, p. 679; Bull. Soc. Ent. Fr. 1882, p. LXXXVIII. — Kaltenbach, Pflanzenfeinde 1874, p. 151. — Deyrolle, Petites Nouv. Ent. II, 1877, p. 150. — Kittel, Correspondenzbl. zool.-min. Ver. Regensburg XXXV, 1881, p. 138. — Targioni-Tozzetti, Ann. Agric. 1884, p. 317, fig. 42. — Bargagli, Bull. Soc. Ent. Ital. XVII, 1885, p. 21; XVIII, 1887, p. 395. — Heidenreich, Soc. Ent. I, 1886—87, p. 73. — Kieffer, Feuille jeun. Natural. XXII, 1891—92, p. 54. — Decaux, l. c. p. 180. — C. Schklg. Ins.-Börse XIII, 1896, p. 289. — Zimmermann, Blätt. Obst-, Wein- u. Gartenbau (Brünn) III, 1905, p. 61. — Ferrant, Schäd. Ins. Land- u. Forstwirtsch. 1908—1911 (1908), p. 118. — Kleine, Ent. Blätt. VI, 1910, p. 284. — Reh in Sorauer, Handb. Pflanzenkrankh. 3. Aufl. III, 1912, p. 556; 4. Aufl. V, 1932, p. 272. — Navarro, Bol. Agr. técn. y econ. (Madrid) VII, 78, 1915, p. 554. — Manzek, Ent. Blätt. XVI, 1920, p. 187.

var. *padi* Puton in Bourgeois, Mitteil. Nat. Ges. Colmar (n. F.) IX, 1907—08 (1908), p. 183 nota; Cat. Col. Chaîne Vosges VI, 1908, p. 497 nota.

Biologie: Puton, l. c. p. 183 nota.

93

var. *unicolor* Faust. Oefv. Finska Vet.-Soc. Förh. XXXII, 1890, p. 92, 101. — Kuhnt, Ill. Best.-Tab. Käf. Deutschl. 1913, p. 1003.

Sibirien

Subg. *Anthonomidius* Reitt.

dilutus Reitt. Ent. Blätt. XI, 1915, p. 118.

Transbaikalien,
Mandschurei
W. Caucasus

gentilis Faust, Horae Soc. Ent. Ross. XXV, 1891, p. 406. — Desbr. Frelon II, 1892, p. 146, 158. — Reitt. Ent. Blätt. XI, 1915, p. 118.

morosus Faust, l. c. p. 405. — Reitt. l. c. p. 118.

Sibirien
Deutschland,
Oesterreich,
Türkei,
Krim

rubripes Gyll. in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 351; VII, 2, 1843, p. 226. — Hochh. Bull. Moscou XX, 1847, p. 548. — Kolen. Bull. Moscou XXXII, 1859, I, p. 339. — Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 416, 419; Frelon II, 1892, p. 107, 128. — Kuhnt, Ill. Best.-Tab. Käf. Deutschl. 1913, p. 1004. — Reitt. Ent. Blätt. XI, 1915, p. 118; Fn. Germ. V, 1916, p. 191.

ab. *femoratus* Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 420; (5) II, 1872, p. 419; Frelon II, 1892, p. 107, 128. — Kuhnt, Best.-Tab. Käf. Deutschl. 1913, p. 1004. — Reitt. Fn. Germ. V, 1916, p. 191.

Oesterreich

Subg. *Anthomorphus* Weise.

Strandi Stierl. Mitteil. Schweiz. Ent. Ges. X, 1897—1903 (1903), p. 484.

Norwegen
Europa

varians Payk. Monogr. Curc. Suec. 1792, p. 16 (*Curculio*); Fn. Suec. III, 1800, p. 202. — F. Ent. Syst. I, 2, 1792, p. 439; Syst. El. II, 1801, p. 485 (*Rhynchaenus*). — Hbst. Natursyst. Ins. Käf. VI, 1795, p. 268, t. 80, f. 8 (*Curculio*). — Panz. Deutschl. Insectenfauna 1795, p. 319. — Latr. Hist. Nat. Crust. Ins. XI, 1804, p. 146. — Gyll. Ins. Suec. I, 3, 1813, p. 193 (*Rhynchaenus*). — Germ. Mag. Ent. IV, 1821, p. 324 (*Anthonomus*). — Zetterst. Fn. Ins. Lapp. I, 1828, p. 305 (*Rhynchaenus*); Ins. Lapp. I, 1838—40, p. 174. — C. R. Sahlb. Ins. Fenn. II, 1835, p. 84. — Gyll. in Schönh. Gen. Spec. Curc. VII, 2, 1843, p. 221 (*Anthonomus*). — Redt. Fn. Austr. 1849, p. 407; ed. 2, 1858, p. 769; ed. 3, 1874, II, p. 310. — Bach, Käferfn. II, 1852—54 (1854), p. 309. — Gutfl.-Bose, Käf. Deutschl. 1859, p. 520. — C. G. Thoms. Skand. Col. VII, 1865, p. 326; X, 1868, p. 210. — Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 416, 425; Frelon II, 1892, p. 108, 145. — Crotch, Entomologist IV, 1868—1869 (1869), p. 309. — Rye, Ent. Annual 1870, p. 104. — Seidl. Fn. Balt. 1872—75 (1875), p. 434; ed. 2, 1887—91 (1891), p. 141; Fn. Transsylv. 1888—91 (1891), p. 713. — Bedel, Fn. Col. Bassin Seine VI, 1882—88 (1884), p. 129. — Fowler, Ent. Monthly Mag.

XXVI, 1890, p. 311, 312; Col. Brit. Isl. V, 1891, p. 316, 318, t. 170, f. 10. — Stierl. Fn. Col. Helvet. II, 1886—98 (1893), p. 333. — Rey, Echange XI, 1895, p. 2. — Henschel, Schäd. Forst- u. Obstbaum-Ins. ed. 3, 1895, p. 87. — Acloque, Fn. France, Col. 1896, p. 385. — Everts, Col. Neerland. II, 1903, p. 64; III, 1922, p. 575. — Gerhardt, Jahresh. Ver. schles. Insektenk. V, 1912, p. 4; Deutsche Ent. Zeitschr. 1912, p. 464. — Kuhnt, Ill. Best.-Tab. Käf. Deutschl. 1913, p. 1004, fig. 295 fig. — Reitt. Fn. Germ. V, 1916, p. 191, t. 163, f. 6. — Hansen, Danmarks Fauna XXII, Snudebiller 1918, p. 209, 214. — Hust. Ann. Soc. Ent. Fr. C, 1931, p. 255, 259. — Porta, Fauna Col. Ital. V, 1932, p. 236.

melanocephalus F. Ent. Syst. I, 2, 1792, p. 444 (*Curculio*); Syst. El. II, 1801, p. 490 (*Rhynchaenus*). — Panz. Fn. Ins. Germ. XVIII, 1794, nr. 12 (*Curculio*); Deutschl. Insectenfauna 1795, p. 317. — Hbst. Natursyst. Ins. Käf. VI, 1795, p. 474. — Germ. Mag. Ent. IV, 1821, p. 325 (*Anthonomus*). — Gyll. Fn. Suec. I, 4, 1827, p. 587 (*Rhynchaenus*). — Boh. in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 344 (*Anthonomus*); VII, 2, 1843, p. 221. — Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 425, 427; Frelon II, 1892, p. 108.

nigrocapitatus Latr. Hist. Nat. Crust. Ins. XI, 1804, p. 150 (*Curculio*).

obesior Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 427; Frelon II, 1892, p. 146. — Bedel, Fn. Col. Bassin Seine VI, 1882—88 (1884), p. 129, nota 2. — Kuhnt, Ill. Best.-Tab. Käf. Deutschl. 1913, p. 1004.

phyllocola Hbst. Natursyst. Ins. Käf. VI, 1795, p. 474, t. 70, f. 14 (*Curculio*). *p. 161*

varius Zetterst. Ins. Lapp. I, 1838—40, p. 173 (*Rhynchaenus*).

Biologie: Kaltenbach, Pflanzenfeinde 1874, p. 688. — Lindemann in Köppen, Schäd. Ins. 1880, p. 226. — Bargagli, Bull. Soc. Ent. Ital. XVII, 1885, p. 26; XVIII, 1886, p. 397. — Judeich, Forstins. I, 2, 1889, p. 400. — Henschel, Schäd. Forst- u. Obstbaum-Ins. 3. Aufl. 1895, p. 89. — C. Schklg. Ins.-Börse XIII, 1906, p. 259. — Kleine, Ent. Blätt. VI, 1910, p. 263. — Reh in Sorauer, Handb. Pflanzenkrankh. 3. Aufl. III, 1912, p. 556; 4. Aufl. V, 1932, p. 272. — Wichmann, Centralbl. ges. Forstwesen XLVIII, 1922, p. 10. — Escherich, Forstins. II, 1923, p. 340, fig. 170 D. — Nüsslin-Rhumbler, Forstinsektenkunde, 4. Aufl. 1927, p. 228, 256. — Stark, Bull. Leningrad Inst. Farm Forest Pests II, 1932, p. 127, fig.

Parasit: Ruschka, Ent. Tidskr. XLV, 1924, p. 12.

- ab. *perforator* Hbst. Natursyst. Ins. Käf. VI, 1795, p. 143, t. 69, f. 8 (*Curculio*). — Desbr. Frelon II, 1892, p. 145 (*Anthonomus*). — Everts, Col. Neerland. III, 1922, p. 575. — Gerhardt, Jahresh. Ver. schles. Insektenk. V, 1912, p. 4; Deutsche Ent. Zeitschr. 1912, p. 464. — Kuhnt, Ill. Best.-Tab. Käf. Deutschl. 1913, p. 1004. — Schulze, Deutsche Ent. Zeitschr. 1916, p. 582. — Reitt. Fn. Germ. V, 1916, p. 191 (*perforatus*). — Porta, Fauna Col. Ital. V, 1932, p. 235.
- ater Marsh. Ent. Brit. I, 1802, p. 285 (*Curculio*). — Steph. Ill. Brit. Ent. Mand. IV, 1831, p. 75 (*Anthonomus*); Man. Brit. Col. 1839, p. 233. — Schönh. Gen. Spec. Curc. III, 1, 1836, p. 349. — Redt. Fn. Austr. 1849, p. 407; ed. 2, 1858, p. 769; ed. 3, 1874, II, p. 310. — Desbr. Frelon II, 1892, p. 107, 145.
- ab. *pyrenaeeus* Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 416, 428; Frelon II, 1892, p. 108, 145. — Bedel, Fn. Col. Bassin Seine VI, 1882—88 (1884), p. 129, nota 2.
- ab. *rufipennis* Gerhardt, Jahresh. Ver. schles. Insektenk. V, 1912, p. 4; Deutsche Ent. Zeitschr. 1912, p. 464. — Reitt. Fn. Germ. V, 1916, p. 191. — Everts, Col. Neerland. III, 1922, p. 575. — Porta, Fn. Col. Ital. V, 1932, p. 236.
- ab. *suturatus* nom. *var. nov.*
- suturalis* Gerhardt (nec J. Lec. 1824), Jahresh. Ver. schles. Insektenk. V, 1912, p. 4; Deutsche Ent. Zeitschr. 1912, p. 464. — Kuhnt, Ill. Best.-Tab. Käf. Deutschl. 1913, p. 1004.

Subg. *Anthonomus* s. str.

- amygdali* Hust. Bull. Soc. Ent. Fr. 1930, p. 191; Ann. Soc. Ent. Fr. C, 1931, p. 258, 268.
- ornatus* Reiche (nec Blanch. 1851), Ann. Soc. Ent. Fr. (3) VIII, 1860, p. 732. — Kiesw. Berl. Ent. Zeitschr. VIII, 1864, p. 278. — Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 415, 440; Frelon II, 1892, p. 114, 140. — Reitt. Fn. Germ. V, 1916, p. 112. — Porta, Fn. Col. Ital. V, 1932, p. 237.
- Morphologie: Sarra, Boll. Labor. Portici XXI, 1928 (1929), p. 265.
- Biologie: Rottenb. Berl. Ent. Zeitschr. XV, 1871, p. 234. — Vitale, Riv. Ital. Sc. Nat. XXIII, 1913, p. 29; Ann. Staz. sperim. Agr. VII, 1923, p. 43. — Sarra, Boll. Labor. Portici XXI, 1928 (1929), p. 265. — Stackelberg, Bull. Plant Protect. ser. 1, Ent. nr. 5, 1932, p. 312.
- var. *messanensis* Vitale, Riv. Col. Ital. I, 1903, p. 45. — Bickh. Ent. Zeitschr. (Guben) XX, 1906, p. 106, 113, 122, 133.
- Baudueri* Desbr. Bull. Soc. Ent. Fr. 1875, p. CLXXXVII; Frelon II, 1892, p. 115, 141.
- ab. *Abeillei* Desbr. Frelon II, 1892, p. 142.

Illyrien,
Istrien,
Krain,
Sicilien,
Türkei,
Griechenland

Sicilien,
Corsica

Syrien

bifasciatus Matsum.

Biologie: Toyoshima, Journ. Plant Protect. (Tokyo) XIII, 1926, p. 449. — Clausen, Circ. 168 U. S. Dep. Agr. 1931, p. 9, 29.

Japan

bisignifer nom. nov.

bisignatus Roel. (nec Gyll. 1836) Ann. Soc. Ent. Belg. XVII, 1874, p. 162. — Matsum. 6000 Ill. Ins. Japan 1931, p. 274. — Esaki u. andere, Iconogr. Ins. Japan. 1932, p. 537, fig. Biologie: Kinoshita & Shinkai, Agr. and Hort. (Tokyo) L, 1926, p. 3 (*signatus*). — Clausen, Circ. 168 U. S. Dep. Agr. 1931, p. 75 (*signatus*).

"

bituberculatus C. G. Thoms. Skand. Col. X, 1868, p. 210, 212; Opusc. Ent. IV, 1871, p. 393. — Seidl. Fn. Balt. 1872—75 (1875), p. 434 nota; Fn. Transsylv. 1888—91 (1891), p. 713 nota. — Letzner, Jahresh. schles. Ges. vaterl. Cultur LVII, 1880 (1881), p. 354. — Hansen, Ent. Meddel. XI, 1917, p. 357; Danmarks Fauna XXII, Snudebiller 1918, p. 207, 210, fig. 109 b. — Neresh. & Wagner, Col. Centralbl. III, 1928—29 (1928), p. 249, 250.

N.- u. Mittel-europa

Biologie: Stackelberg, Bull. Plant Protect. ser. 1, Ent. nr. 5, 1932, p. 312.

Bonvouloiri Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 416, 421; (5) II, 1872, p. 418; Frelon II, 1892, p. 109, 145; XVI, 1908, p. 93, nota 1. — Porta, Fn. Col. Ital. V, 1932, p. 236.

Rom

brevispinus Pic, Bull. Soc. Hist. Nat. Autun XV, 1902, p. 139.

Araxes

Chevrolati Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 414, 430; Frelon II, 1892, p. 110, 130. — Crotch, Entomologist IV, 1868—69 (1869), p. 308. — Rye, Ent. Monthly Mag. VI, 1869—1870 (1869), p. 87. — Gozis, Rev. d'Ent. I, 1882, p. 205. — Bedel, Fn. Col. Bassin Seine VI, 1882—88 (1884), p. 130, (1887), p. 296. — Fowler, Ent. Monthly Mag. XXVI, 1890, p. 310, 311; Col. Brit. Isl. V, 1891, p. 315, 317. — Rey, Echange XI, 1895, p. 3. — Acloque, Fn. France, Col. 1896, p. 385. — Everts, Col. Neerland. II, 1903, p. 642; III, 1922, p. 575. — Daniel, Münch. Kol. Zeitschr. I, 1903, p. 258. — Kuhnt, Ill. Best.-Tab. Käf. Deutschl. 1913, p. 1005. — Hust. Ann. Soc. Ent. Fr. C 1931, p. 257, 262, fig. 294. — Porta, Fn. Col. Ital. V, 1932, p. 236.

Deutschland, Südtirol, Frankreich, Italien, Belgien, England, Algerien, Syrien

Biologie: Bargagli, Bull. Soc. Ent. Ital. XVII, 1885, p. 20; XVIII, 1866, p. 395. — Kleine, Ent. Blätt. VI, 1910, p. 284. — Hustache, Ann. Soc. Ent. Fr. C, 1931, p. 262.

conspersus Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 415, 445; Frelon I, 1891, p. 39; II, 1892, p. 116, 143; XVI, 1908, p. 93. — Crotch, Entomologist IV, 1868—69 (1869), p. 309. — Rye, Ent. Monthly Mag. VI, 1869—70 (1869), p. 88; Ent. Annual 1870, p. 105. — Bedel, Fn. Col. Bassin Seine VI, 1882—88 (1888), p. 425. — Fowler, Ent. Monthly Mag. XXVI, 1890,

Mitteleuropa

- p. 310, 311; Col. Brit. Isles V, 1891, p. 315, 318. — Everts, Col. Neerland. II, 1903, p. 643; III, 1922, p. 575. — Hudson & Beare, Ent. Rec. Journ. Var. XVII, 1905, p. 43. — Kuhnt, Ill. Best.-Tab. Käf. Deutschl. 1913, p. 1005. — Reitt. Fn. Germ. V, 1916, p. 193. — Porta, Fn. Col. Ital. V, 1932, p. 238.
- Biologie:** Gerhardt, Berl. Ent. Zeitschr. XIII, 1869, p. 262.
- var. *Javeti*** Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 446; Frelon II, 1892, p. 143. — Reitt. Fn. Germ. V, 1916, p. 193. — Porta, Fn. Col. Ital. V, 1932, p. 238. **Mähren**
- costipennis** Fairm. Ann. Soc. Ent. Fr. (6) IX, 1889, p. 54. **Tibet**
- cribratellus** Reitt. Ent. Blätt. XI, 1915, p. 119. **Mandschurei**
- curtulus** Desbr. Frelon II, 1892, p. 112, 136. **Syrien**
- curtus** Faust, Stett. Ent. Zeit. XLIII, 1882, p. 432. — Desbr. Frelon II, 1892, p. 111, 140. **W. Russland**
- cyprius** Mshl. Bull. Ent. Research XVI, 1925—26 (1925), p. 75. **Cypern**
- discoidalis** Tourn. Mittheil. Schweiz. Ent. Ges. IV, 1872—76 (1873), p. 179.
- Faillae** Desbr. Frelon II, 1892, p. 113, 137. — Porta, Faune Col. Ital. V, 1932, p. 237. **Sicilien**
- Grilati** Desbr. Bull. Soc. Ent. Fr. 1886, p. CCV; Frelon II, 1892, p. 111, 132. **Algerien**
- Biologie:** Stackelberg, Bull. Plant. Protect. ser. 1, Ent. nr. 5, 1932, p. 312.
- Grouvellei** Desbr. Bull. Soc. Ent. Fr. 1887, p. CLXI; Frelon II, 1892, p. 107, 128; XVI, 1908, p. 93. — Acloque, Fn. France, Col. 1896, p. 385. **Seealpen**
- helopioides** Kolen. Bull. Moscou XXXII, 1859, I, p. 340. — Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 455; Frelon II, 1892, p. 146. **O. Persien, Indien**
- humeralis** Panz. Deutsche Insectenfauna 1795, p. 312 (*Curculio*). — Bedel, Fn. Col. Bassin Seine VI, 1882—88 (1884), p. 130, (1887), p. 257 (subg. *Toplethus*). — Acloque, Fn. France, Col. 1896, p. 386 (*Anthonomus*). — Everts, Col. Neerland. II, 1903, p. 643; III, 1922, p. 575. — Kuhnt, Ill. Best.-Tab. Käf. Deutschl. 1913, p. 1005. — Reitt. Fn. Germ. V, 1916, p. 192. — Hansen, Danmarks Fn. XXII, Snudebiller 1918, p. 209, 212. — Hust. Ann. Soc. Ent. Fr. C, 1931, p. 257, 265, fig. 297. — Porta, Fn. Col. Ital. V, 1932, p. 237. **Nord- u. Mitteleuropa**
- incurvus*** Panz. Deutschl. Insectenfauna 1795, p. 312 (*Curculio*); Fn. Ins. Germ. XXXVI, 1796, nr. 17. — Germ. Mag. Ent. IV, 1821, p. 323 (*Anthonomus*). — Gyll. Ins. Suec. I, 4, 1827, p. 586 (*Rhynchaenus*); in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 341 (*Anthonomus*); VII, 2, 1843, p. 218. — Redt. Fn. Austr. 1849, p. 406; ed. 2, 1858, p. 769; ed. 3, 1874, II, p. 310. — Bach, Käferfn. II, 1852—1854 (1854), p. 308. — Kolan. Bull. Moscou XXXII, 1859, I, p. 336. — Gutfl.-Bose, Käf. Deutschl. 1859, p. 520. — C. G. Thoms. Skand. Col. VII, 1865, p. 324; X, 1868, p. 210, 211. — Desbr. Ann. Soc. Ent. Fr. (4)

VIII, 1868, p. 415, 451; Frelon II, 1892, p. 112, 138. — Crotch, Entomologist IV, 1868—1869 (1869), p. 309. — Rye, Ent. Monthly Mag. VI, 1869—70 (1869), p. 88; Ent. Annual 1870, p. 106. — Seidl. Fn. Balt. 1872—1875 (1875), p. 434; ed. 2, 1887—91 (1891), p. 640; Fn. Transsylv. 1888—91 (1891), p. 713. — C. Schklg. Deutsche Käferwelt 1885, p. 272. — Stierl. Fn. Col. Helvet. II, 1886—1898 (1893), p. 333. — Champion, Ent. Monthly Mag. LX, 1924, p. 74.

pomorum var. b Gyll. Ins. Suec. I, 3, 1820, p. 188 (*Rhynchaenus*). ^{1829, 1832.}

Biologie: Ratzeb. Forstins. Nachtr. 1839, p. 33. — Chapuis & Candèze, Cat. Larv. Col. 1853, p. 217. — Kiesw. Berl. Ent. Zeitschr. XIII, 1869, p. 313. — Perris, Ann. Soc. Linn. Lyon (n. s.) XXIII, 1876 (1877), p. 241; Larves Col. 1877, p. 401. — Köppen, Schäd. Ins. 1880, p. 225. — Bargagli, Bull. Soc. Ent. Ital. XVII, 1885, p. 21; XVIII, 1886, p. 396. — C. Schklg. Ins.-Börse XIII, 1896, p. 252. — Kleine, Ent. Blätt. VI, 1910, p. 284. — Stackelberg, Bull. Plant Protect. ser. 1, Ent. nr. 5, 1932, p. 312.

inversus Bedel, Fn. Col. Bassin Seine VI, 1882—88 (1884), p. 120, (1887), p. 256. — Acloque, Fn. France, Col. 1896, p. 385. — Everts, Col. Neerland. II, 1903, p. 642; III, 1922, p. 575. — Desbr. Frelon XVI, 1908, p. 93; Echange VII, 1891, p. 31. — Kuhnt, Ill. Best.-Tab. Käf. Deutschl. 1913, p. 1005. — Reitt. Fn. Germ. V, 1916, p. 192. — Hust. Ann. Soc. Ent. Fr. C, 1931, p. 257, 263. — Porta, Fn. Col. Ital. V, 1932, p. 236.

Mittel- u. Süd-europa

cinctus C. G. Thoms. (nec Kollar) Skand. Col. VII, 1865, p. 324; X, 1868, p. 210, 211. — Bedel, Fn. Col. Bassin Seine VI, 1882—88 (1887), p. 296.

ulmi Desbr. (nec De Geer) Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 434; Frelon I, 1891, p. 38; II, 1892, p. 115, 142. — Bedel, Fn. Col. Bassin Seine VI, 1882—88 (1884), p. 130. — Rey, Echange XI, 1895, p. 3.

var. *Rosinae* Gozis, Rev. d'Ent. I, 1882, p. 204. — Bedel, Fn. Col. Bassin Seine VI, 1882—88 (1884), p. 130, (1887), p. 296 (subg. *Toplethus*). — Fowler, Ent. Monthly Mag. XXVI, 1890, p. 310, 312 (*Anthonomus*); Col. Brit. Isl. V, 1891, p. 315, 316, t. 170, f. 7. — Desbr. Frelon I, 1891, p. 38; II, 1892, p. 111, 131. — Acloque, Fn. France, Col. 1896, p. 385. — Reitt. Fn. Germ. V, 1916, p. 192. — Everts, Col. Neerland. III, 1922, p. 575. — Hust. Ann. Soc. Ent. Fr. C, 1931, p. 267. — Porta, Fn. Col. Ital. V, 1932, p. 236.

Biologie: Houard, Zoocécid. Eur. I, 1908, p. 514. — Hesselhaus, Tijdschr. Ent. LVIII, 1915, p. 267.

Kirschi Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 415, 446; Frelon II, 1892, p. 114, 139.

Oesterreich, Griechenland

Koenigi Pic, Echange XXVIII, 1912, p. 10.

laticornis Pic, Bull. Soc. Hist. Nat. Autun XV, 1902, p. 140.

Lethierryi Desbr. Ann. Soc. Ent. Fr. (4) IX, 1869, p. 337, 397.

multifasciatus Pic, Echange XLII, 1926, p. 14.

pedicularius L. Syst. Nat. ed. 10, 1758, p. 383 (*Curculio*); ed. 12, I, 2, 1767, p. 615; Fn. Suec. ed. 2, 1761, p. 181. — Vill. Ent. Car. Linn. I, 1789, p. 199. — Ol. Encycl. méth. V, 1790, p. 521. — Marsh. Ent. Brit. I, 1802, p. 286. — Germ. Mag. Ent. IV, 1821, p. 322 (*Anthonomus*). — Steph. Ill. Brit. Ent. Mand. IV, 1831, p. 75; Man. Brit. Col. 1839, p. 233. — Schönh. Gen. Spec. Curc. III, 1, 1836, p. 339. — Walton, Ann. Mag. Nat. Hist. (2) I, 1848, p. 417; Sep. p. 105; Stett. Ent. Zeit. X, 1849, p. 264. — Bach, Käferfn. II, 1852—1854 (1854), p. 307. — Gutfl.-Bose, Käf. Deutschl. 1859, p. 519. — Crotch, Entomologist IV, 1868—69 (1869), p. 309. — Rye, Ent. Monthly Mag. VI, 1869—70 (1869), p. 87. — Redt. Fn. Austr. ed. 3, 1874, II, p. 309. — Seidl. Fn. Balt. 1872—75 (1875), p. 433; ed. 2, 1887—91 (1891), p. 640; Fn. Transsylv. 1888—91 (1891), p. 712. — Bedel, Fn. Col. Bassin Seine VI, 1882—88 (1884), p. 130, (1887), p. 297 (subg. *Toplethus*). — C. Schklg. Deutsche Käferwelt 1885, p. 272 (*Anthonomus*). — Fowler, Ent. Monthly Mag. XXVI, 1890, p. 310, 311; Col. Brit. Isl. V, 1891, p. 315, 317, t. 170, f. 8. — Stierl. Fn. Col. Helvet. II, 1886—98 (1893), p. 332. — Rey, Echange XI, 1895, p. 3. — Acloque, Fn. France, Col. 1896, p. 386. — Lameere, Man. Fn. Belge II, 1900, p. 493. — Kuhnt, Ill. Best.-Tab. Käf. Deutschl. 1913, p. 1005, fig. 321 B. — Reitt. Fn. Germ. V, 1916, p. 193, t. 163, f. 10. — Wagner in Calwer-Schaufl. Käferb. ed. 6, 1907—16 (1916), p. 1173, t. 41, f. 22. — Hansen, Danmarks Fn. XXII, Snudebiller 1918, p. 209, 210, fig. 109a. — Everts, Col. Neerland. III, 1922, p. 575. — Hust. Ann. Soc. Ent. Fr. C, 1931, p. 258, 269, fig. 296. — Porta, Fn. Col. Ital. V, 1932, p. 237.

avarus F. Ent. Syst. Suppl. 1798, p. 170 (*Curculio*); Syst. El. II, 1801, p. 488 (*Rhynchaenus*). — Ol. Ent. V, 1807, p. 230, t. 22, f. 310. — Desbr. Frelon XVI, 1908, p. 93 (*Anthonomus*).

bavarus Schrank, Fn. Boica I, 1798, p. 483 (*Curculio*).

fasciatus Marsh. Ent. Brit. I, 1802, p. 286 (*Curculio*). — Steph. Ill. Brit. Ent. Mand. IV, 1831, p. 74 (*Anthonomus*); Man. Brit. Col. 1839, p. 233.

melanocephalus Ol. (nec F.) Encycl. méth. V, 1790, p. 521 (*Curculio*).

Schönherri Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 442.

Caucasus
Sibirien

Patria ?

Smyrna
Europa,
Caspisee,
Amurland

- tricolor* Ol. Encycl. méth. V, 1790, p. 567 (*Curculio*). — Gmel. in L. Syst. Nat. ed. 13, I, 4, 1790, p. 1773.
- ulmi* De Geer, Mém. Hist. Ins. V, 1775, p. 215, t. 6, f. 26—30 (*Curculio*); Uebersetz. Goeze, Abh. Gesch. Ins. IV—V, 1781, p. 349, t. 5, f. 16—17. — Vill. Ent. Car. Linn. I, 1789, p. 201; IV, 1789, p. 275. — Gmel. in L. Syst. Nat. ed. 13, I, 4, 1790, p. 1772. — Ol. Encycl. méth. V, 1790, p. 520. — Marsh. Ent. Brit. I, 1802, p. 287. — Latr. Hist. Nat. Crust. Ins. XI, 1804, p. 148. — Gyll. Ins. Suec. I, 3, 1813, p. 189; I, 4, 1827, p. 586 (*Rhynchaenus*). — Steph. Ill. Brit. Ent. Mand. IV, 1831, p. 74 (*Anthonomus*); Man. Brit. Col. 1839, p. 233. — C. R. Sahlb. Ins. Fenn. II, 1835, p. 81 (*Rhynchaenus*). — Germ. Mag. Ent. IV, 1821, p. 323 (*Anthonomus*); Stett. Ent. Zeit. III, 1842, p. 104. — Walton, Ann. Mag. Nat. Hist. (2) I, 1848, p. 416; Sep. p. 104; Stett. Ent. Zeit. X, 1849, p. 204. — Blanch. Hist. Nat. Ins. II, 1845, p. 122. — Gebler, Bull. Moscou XXI, 1848, p. 373. — Redt. Fn. Austr. 1849, p. 406; ed. 2, 1858, p. 768; ed. 3, 1874, II, p. 309. — Bach, Käferfn. II, 1852—54 (1854), p. 307. — Gutfl.-Bose, Käf. Deutschl. 1859, p. 519. — Kolen. Bull. Moscou XXXII, 1859, I, p. 336. — C. G. Thoms. Skand. Col. VII, 1865, p. 321; X, 1868, p. 210, 211. — Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 415, 434; Echange VII, 1891, p. 31. — Crotch, Entomologist IV, 1868—1869 (1869), p. 308. — Rye, Ent. Monthly Mag. VI, 1869—70 (1869), p. 87. — Seidl. Fn. Balt. 1872—75 (1875), p. 433; ed. 2, 1887—91 (1891), p. 630; Fn. Transsylv. 1888—91 (1891), p. 712. — Gozis, Rev. d'Ent. I, 1882, p. 205. — Fowler, Ent. Monthly Mag. XXVI, 1890, p. 310, 311; Col. Brit. Isl. V, 1891, p. 315, 316, t. 170, f. 5—6. — Stierl. Fn. Col. Helvet. II, 1886—98 (1893), p. 332.
- Biologie: De Geer, Mém. Hist. Ins. V, 1775, p. 215, t. 6, f. 26—30; Uebers. Goeze, Abh. Gesch. Ins. IV—V, 1781, p. 349, t. 6, f. 26—30. — Westw. Garden. Mag. XIV, 1838, p. 469. — Chapuis & Candèze, Cat. Larves Col. 1853, p. 217. — Nördlinger, Klein. Feinde Landwirthsch. 1855, p. 170. — Perris, Ann. Soc. Linn. Lyon (n. s.) XXIII, 1876 (1877), p. 241; Larves Col. 1877, p. 401. — Groult, Pet. Nouv. Ent. II, 1877, p. 133. — Bargagli, Bull. Soc. Ent. Ital. XVII, 1885, p. 21 (*pedestris*), 26 (*ulmi*); XVIII, 1886, p. 396. — C. Schklg. Ins.-Börse XIII, 1896, p. 259. — Kleine, Ent. Blätt. VI, 1910, p. 283. — Mokrzecki, Salgir Exp. pomol. Stat. Simferopol 1916, 8 p., 4 fig. — Stackelberg, Bull. Plant Protect. ser. 1, Ent. nr. 5, 1932, p. 313.
- var. *distinguendus* Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 415, 444; Frelon I, 1891, p. 39; II, 1892, p. 115, 142; XVI, 1908, p. 93.

— Crotch, Entomologist IV, 1868—69 (1869), p. 309. — Kuhnt, Best.-Tab. Käf. Deutschl. 1913, p. 1005. — Porta, Fn. Col. Ital. V, 1932, p. 237.

pomorum L. Syst. nat. ed. 10, 1758, p. 381 (*Curculio*); ed. 12, I, 2, 1767, p. 612; Fn. Suec. ed. 2, 1761, p. 180. — O. F. Müll. Fn. Ins. Fridrichsdal. 1764, p. 11; Zool. Dan. Prodr. 1776, p. 89. — Fischer, Naturgesch. Livl. 1778, p. 234. — Vill. Ent. Car. Linn. I, 1789, p. 199. — Gmel. in L. Syst. Nat. ed. 13, I, 4, 1790, p. 1764. — Ol. Encycl. méth. V, 1790, p. 519; Ent. V, 1807, p. 224, t. 3, f. 27 (*Rhynchaenus*). — Payk. Monogr. Curc. Suec. 1792, p. 13 (*Curculio*); Fn. Suec. III, 1800, p. 199. — Hbst. Natursyst. Ins. Käf. VI, 1795, p. 157, t. 70, f. 11. — Panz. Deutschl. Insectenfauna 1795, p. 317; in Voet's Beschr. hartschaal. Ins. IV, 1798, p. 51, t. 35, f. 8. — Schrank, Fn. Boica I, 1798, p. 483. — Marsh. Ent. Brit. I, 1802, p. 285. — Walck. Fn. Paris. I, 1802, p. 240. — Bechst. & Scharfenb. Naturgesch. Forstins. I, 1804, p. 161. — Latr. Hist. Nat. Crust. Ins. XI, 1804, p. 150. — Gyll. Ins. Suec. I, 3, 1813, p. 188 (*Rhynchaenus*). — Bechst. Forstschutz II, 1818, p. 79 (*Curculio*); 2. Aufl. von J. D. Müller 1829, p. 63. — Germ. Mag. Ent. IV, 1821, p. 323 (*Anthonomus*). — Steph. III. Brit. Ent. Mand. IV, 1831, p. 73; Man. Brit. Col. 1839, p. 233. — C. R. Sahlb. Ins. Fenn. II, 1835, p. 80 (*Rhynchaenus*). — Gyll. in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 340 (*Anthonomus*); VII, 2, 1843, p. 217. — Dahlb. Skand. Ins. 1837, p. 61. — Cast. Hist. Nat. Ins. Col. II, 1840, p. 341. — Zetterst. Ins. Lapp. I, 1838 (1840), p. 173 (*Rhynchaenus*). — Blanch. Hist. Nat. Ins. II, 1845, p. 122 (*Anthonomus*). — Walton, Ann. Mag. Nat. Hist. (2) I, 1848, p. 416; Stett. Ent. Zeit. X, 1849, p. 263. — Redt. Fn. Austr. 1849, p. 406; ed. 2, 1858, p. 769; ed. 3, 1874, II, p. 310. — Bach, Käferfn. II, 1852—54 (1854), p. 308. — Jacq. du Val. Gen. Col. d'Eur. IV, 1854—68, p. 45, t. 20, f. 93. — Gutfl.-Bose, Käf. Deutschl. 1859, p. 520. — Giebel, Naturgesch. Thierreichs IV, 1863, p. 128, fig. 150. — C. G. Thoms. Skand. Col. VII, 1865, p. 323; X, 1868, p. 210. — Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 415, 449; Frelon II, 1892, p. 113, 136. — Crotch, Entomologist IV, 1868—69 (1869), p. 309. — Taschenb. Ent. Gärtner u. Gartenfreunde 1871, p. 65; Verh. Nat. Ver. preuss. Rheinl. u. Westf. XXIX, 1872, p. 148; Prakt. Ins.-Kunde I, 1879, p. 151; Ins. nach Schaden und Nutzen, 2. Aufl. von O. Taschenb. 1906, p. 86, fig. 16. — Seidl. Fn. Balt. 1872—75 (1875), p. 434; ed. 2, 1887—91 (1891), p. 640; Fn. Transsylv. 1888—91 (1891), p. 713. — De la Blanchère, Ravageurs des vergers et vignes 1876, p. 152, fig. 117. — Re-

Europa,
Amur,
Japan,
Algerien,
eingeschleppt
U. S. Ame-
rica

- del, Fn. Col. Bassin Seine VI, 1882—88 (1884), p. 130, (1887), p. 297 (subg. *Toplethus*). — C. Schklg. Deutsche Käferwelt 1885, p. 272, t. 17, f. 18 a. — Lutz, Landw. nütz. u. schäd. Ins. 1885, p. 27, t. 3, f. 10. — Fowler, Ent. Monthly Mag. XXVI, 1890, p. 310, 311; Col. Brit. Isl. V, 1891, p. 315, 318, t. 170, f. 9. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 203, 204, t. 6, f. 12. — Stierl. Fn. Col. Helvet. II, 1886—98 (1893), p. 332. — Henschel, Schäd. Forst- u. Obstbaum-Ins. 3. Aufl. 1895, p. 87, fig. 32. — Acloque, Fn. France, Col. 1896, p. 385, fig. Ap. — Lameere, Man. Fn. Belge II, 1900, p. 493, fig. 492. — Everts, Col. Neerland. II, 1903, p. 643; III, 1922, p. 575. — Zimmermann, Blätt. Obst-, Wein- u. Gartenbau (Brünn) III, 1905, p. 97, t. p. 11—12. — Ferrant, Schäd. Ins. Land- u. Forst wirtsch. 1908—11 (1908), p. 116, fig. 64 a. — Kuhnt, Ill. Best.-Tab. Käf. Deutschl. 1913, p. 1005, fig. 320 a. — Wagner in Calwer-Schaufl. Käferb. ed. 6, 1907—16 (1916), p. 1174, t. 41, f. 21. — Hansen, Danmarks Fauna XXII, Snudebiller 1918, p. 209, 211, fig. 110. — Neresch. & Wagner, Col. Centralbl. III, 1928—29 (1928), p. 246, 250. — Hust. Ann. Soc. Ent. Fr. C, 1931, p. 257, 264. — Porta, Fn. Col. Ital. V, 1932, p. 237.
- incurvus* Steph. (nec Panz. 1795) Ill. Brit. Ent. Mand. IV, 1831, p. 73; Man. Brit. Col. 1839, p. 233. — Champion, Ent. Monthly Mag. LX, 1924, p. 74.
- pyri* Redt. (nec Kollar) Fn. Austr. ed. 2, 1858, p. 769; ed. 3, 1874, II, p. 310. — Neresch. u. Wagner, Col. Centralbl. III, 1928—29 (1928), p. 247, 248.
- ? *rubromaculatus* Desberger in Bechstein, Forstinsectologie, 2. Aufl., Teil 2, 1835, p. 64.
- Morphologie: Lyonnet, Recherch. Anat. 1760, p. 120, t. 12, f. 13—19. — Bordas, Compt. rend. Soc. Biol. Paris LX, 1905, p. 1163, 1164; Bull. Soc. Zool. Fr. XXXI, 1907, p. 121. — Rennes, Biol. Miscell. 1906, p. 49. — Jachontoff, Mosc. Ann. Inst. Agron. XVI, 1910, p. 227—254. — Engelhardt, l. c. XIX, 5, 1913, p. 201, fig. 1—10. — Schulz, Zool. Jahrb. XLVIII, 1924, p. 217, fig. — Regnier, Ann. Epiphyties XI, 1925, p. 5, fig. — Miles, Ann. appl. Ent. X, 1925, p. 354, fig. 2—6.
- Biologie, Metamorphose, Bekämpfung*): Frisch, Beschr. allerl. Ins. Teutschl. I,

*) Auch bei dieser Art (vergl. *Anthonomus grandis* p. 41) ist die Literatur, besonders die angewandte, in den letzten 30—40 Jahren sehr angeschwollen. Da bisher noch keine vollständige Zusammenstellung dieser Literatur vorliegt, soll hier versucht werden, die hauptsächlichsten Artikel über die Art, deren Schädlichkeit übrigens in der neueren Zeit mehrfach angezweifelt wurde (siehe hinten p. 27), angeführt werden.

1720, p. 32, t. 8, f. 1—3. — Schrank, Samml. naturk. u. physik. Aufs. 1796, p. 161. — Bechstein, Forstschutz IV, 2, 1818, p. 194. — Rusticus, Ent. Mag. I, 1833, p. 34. — Bouché, Naturgesch. Ins. I, 1834, p. 200, t. 10, f. 12—14. — Ratzeb. Forstins. I, 1837, p. 125, t. 5, f. 8; ed. 2, 1839, p. 151, t. 5, f. 8. — Kollar, Naturgesch. schäd. Ins. 1837, p. 254; engl. Uebersetz. von J. u. M. Loudon 1840, p. 245, fig. — Vallot, Mém. Acad. Sc. Dijon 1837—38, p. 65. — Westw. Garden. Mag. XIV, 1838, p. 464. — Nördlinger, Stett. Ent. Zeit. IX, 1848, p. 231; Kleinen Feinde Landwirthsch. 2. Aufl. 1869, p. 207, 3 Fig. — Chapuis & Candèze, Cat. Larves Col. 1853, p. 216. — Frauenf. Verh. zool.-bot. Ges. Wien XI, 1861, p. 169. — Goureau, Ins. nuis. arbres fruit. 1861, p. 11. — Glaser, Zeitschr. Landwirthsch. Ver. Grossherz. Hessen XXXIV, 1864, p. 447. — Hess, Natur XIII, 1864, p. 110. — Taschenb. Ent. Gärtner u. Gartenfr. 1871, p. 66, fig. 10; Verh. Nat. Ver. preuss. Rheinl. u. Westf. XXIX, 1872, p. 149; Prakt. Ins.-Kunde I, 1879, p. 151, fig. 46. — Künstler, Die unseren Kulturpflanzen schäd. Ins. 1871, p. 80. — De la Blanchère, Ravageurs des vergers et vignes 1876, p. 152. — Anonymus, Württemb. Wochenbl. Land- u. Forstwirthsch. XXVIII, 1876, p. 25. — Deyrolle, Pet. Nouv. Ent. II, 1877, p. 150. — Sauer, Zeitschr. Ver. Nassau. Land- u. Forstwirthsch. XL, 1878, p. 118. — Mayer, l. c. p. 231. — Anonymus, Hannöv. Wochenbl. Landwirthsch. II, 1879, p. 211. — Ecker-Eckhofen, Oesterr.-Ungar. Wein- u. Agricult.-Zeit. X, 1879, p. 360. — Kittel, Correspondenzbl. zool.-min. Ver. Regensburg XXXV, 1881, p. 138. — Ormerod, Journ. Roy. Agr. Soc. (2) XVII, 1882, p. 603. — Girard, Bull. Soc. Ent. Fr. 1882, p. LXXXVIII. — Watney, Garden Chron. (2) XIX, 1883, p. 219. — Targioni-Tozzetti, Ann. Agr. 1884, p. 317, fig. 42 A. — C. Schklg. Deutsche Käferwelt 1885, p. 270, t. 17, f. 18 b—c; Ins.-Börse XIII, 1896, p. 252. — Lutz, Landw. nützl. u. schäd. Ins. 1885, p. 27. — Bargagli, Bull. Soc. Ent. Ital. XVII, 1885, p. 22; XVIII, 1886, p. 396. — Ormerod, Man. injur. Ins. 1890, p. 300, fig.; Textbook agr. Ent. ed. 2, 1892, p. 104, fig. 83; Handb. Ins. injur. orchard and buish fruits 1898, p. 45, fig. — Henneguy, Bull. Minist. Agr. X, 1891, p. 835. — Kieffer, Feuille jeun. Nat. XXII, 1891—92, p. 54. — Decaux, l. c. p. 180. — Whitehead, Rep. Ins. injur. crops 1892, p. . — Lindemann, Wichtigste Obstbaumschäd. 1893, p. 25. — Anonymus, Landwirthsch. Centralbl. Posen 21, 1893, p. 112. — Noel, Le Cidre et le Poiré (Argentan 1894, sep. p. 13, 4 Fig. — Henschel, Schäd. Forst- u. Obstbaum-Ins. 3. Aufl. 1895, p. 88, fig. 33—35. — Lampa, Ent. Tidskr. XV, 1895, p. 36;

XXIX, 1908, p. 225, fig. — Frank u. Sorauer, Pflanzenschutz, 2. Aufl. 1896, p. 146, fig. 39. — Donger, Atlas de poche Ins. France utiles et nuisibles 1896, p. 18, t. 19, f. 1. — Theobald, The Apple Blossom Weevil 1897, p. 15; Ins. and other pests orchard, bush and hot-house fruits 1909, p. 104, fig. 90—91. — Kieffer, Miscell. Ent. V, 1897, p. 10; VI, 1898, p. 121. — Goethe, Ber. Lehranst. Geisenheim 1897—98, p. 24; Mitteil. Obst- u. Gartenbau XIII, 1898, nr. 10; Deutsche Jägerzeit. 1899, p. 23; Suppl. Allg. Forst- u. Jagdzeit. 1899, p. 75. — Debray, Naturaliste XX, 1898, p. 207. — Jokisch, Obstbaufreund 1898, p. 187. — Graas, Landwirtsch. Ins.-Kunde 1891, p. 31, fig. 16. — Schreiner, Obstzucht 1900 (1901), 27 p.; Trudy Ent. Učan. Kom. Gl. Zeml. (Petersburg) II, 14, 1909, p. 53, fig. 29—32; Trudy Bur. Ent. Petrograd II, 1914, 65 p., fig. — Reh, Jahrb. Hamb. wissensch. Anst. XIX, 1901, Beiheft p. 153; in Sorauer, Handb. Pflanzenkrankh. 3. Aufl. III, 1906—13 (1912), p. 554; 4. Aufl. V, 1932, p. 268, fig. 122 a—c. — Alish, Ent. Jahrb. XI, 1902, a. 206. — Theobald, 1. Rep. econ. zool. 1903, p. 18. — Tullgren, Ent. Tidskr. XXIV, 1903, p. 237; Meddel. Centralanst. Jordbruksförs. 93, 1914, 12 p., 1 col. Taf.; Upps. prakt. Ent. XXIII, 1914, p. 91. — Zimmermann, Blätt. Obst-, Wein- u. Gartenbau (Brünn) III, 1905, p. 97. — Bordas, Compt. rend. Soc. Biol. Paris 1905, p. 1165. — Coflinge, Journ. Board Agr. London XV, 1908, p. 674; Man. injur. Ins. 1912, p. 97, fig. 43 c—g. — Kolbe, Aus der Natur III, 1908, p. 546, t. f. 1. — Houard, Zoocéid. Eur. I, 1908, p. 505, 513. — Ferrant, Schäd. Ins. Land- u. Forstwirtschaft. 1908—11 (1908), p. 116, fig. 64 b—d. — Kleine, Ent. Blätt. VI, 1910, p. 284. — Jachontoff, Ann. Inst. Agr. Mosc. XI, 1910, p. 227. — Ewert, Zeitschr. Pflanzenkrankh. XXI, 1911, p. 198. — Miesinger, Mitteil. Pflanzenschutzstat. Wien 1911, 10 p. — Diehl, Feinde u. Freunde des Obstbaues 1911, p. 7, fig. 2—4. — v. Schilling, Schädlinge des Obst- und Weinbaues, 3. Aufl. von L. Reh, 1911, p. 33, 7 Fig. — Grandi, Entomol. agrar. 1911, p. 379, fig. 351, 2. — Bastin, Insects, their life and habits 1913, p. 197. — Korolkov, Orchard- and Market-Garden 1914, p. 69—74 (russisch); Materials study injur. Ins. Mosc. V, 1914, 93 p. (russisch). — Sacharov, Orchard, Market-Garden and Bachza (Astrachan) III, 1914, p. 159 (russisch). — Lesne, Journ. agr. prat. (Paris) XXVII, 1914, p. 309. — Navarro, Bol. Agr. técn. y econ. (Madrid) VII, 78, 1915, p. 554. — Schneider-Orelli, Landw. Jahrb. Schweiz XXIX, 1915, p. 534. — Heymons in Brehm's Tierleben, ed. 4, II, 1915, p. 498. — Kazansky, Materialien Stud. Insektenschäden Gouv. Moskau VI,

1915, p. 55. — Anonymus, Schweiz. Landw. Zeitschr. 43, 1915, p. 524, 2 Fig. — Balabanow, Progr. Hort. Mark.-Gard. XII, 1915, p. 438; Agriculturist 1915, nr. 17; Fruit Growers XXVII, 1916, p. 366. — Rakuschew, Hort. Rostov III, 1916, p. 139, 3 Fig. — Walton, Ann. appl. Biol. IV, 1917, p. 7. — Jablonowski, Rovart. Lapok XXIV, 1917, p. 133, 193. — Theobald, Fruit, Flower and Vegetable Trade's Journ. (London) 1917, 2 p. — Batalov, Fruit Grow. (Petrograd) XXXVIII, 1917, p. 44. — Imms, Ann. appl. Biol. IV, 1918, p. 221, 1 Taf., 1 Fig. — Grosser, Ill. schles. Monatsschr. Obst-, Gemüse- und Gartenbau 1918, p. 56, 2 Fig.; Zeitschr. Landw.-Kammer Schlesien 1920, p. 416. — Maarschalk, Tijdschr. Plantenziekten XXIV, 1918, Bijblad p. 45. — Schulz, Gartenflora LXVII, 1918, p. 6, 1 Fig.; Sitzber. Ges. Nat. Freunde Berlin 1918, p. 363; Ent. Blätt. XVI, 1920, p. 16; Erfurter Führer XXIII, 1922, p. 41, 50; Zool. Jahrb. Abt. Syst. XLVIII, 1924, p. 217, 1 Taf., 14 Fig. — Wendeler, Deutsche Ent. Zeitschr. 1918, p. 185. — Fryer, Ann. appl. Ent. VI, 1919, p. 248, 5 Fig. — Kurtz, Landwirtsch. Mitteil. Steiermark 1919, p. 212. — Jegen, Schweiz. Zeitschr. Obst- u. Weinbau XXVIII, 1919, p. 380; XXIX, 1920, p. 289, 322, 2 Fig.; Landwirtsch. Jahrb. Schweiz XXXVI, 1922, p. 83. — Sarsfield, Insect pests 1919, p. 82, t. 19, fig. 4—5. — Lees, Ann. Rep. Agr. Hort. 1920, p. 71. — Wahl, Wien. Landwirtsch. Zeitschr. 70, 1920, p. 12, 15 Fig. — Siagnolari, Foglio d'Ist. Osserv. Fitopat. VII, 1920, 4 p., 1 Fig.; IX, 1920, 4 p., 1 Fig. — Davidov, Governm. Publ. Petersburg 1920, 4 p., 1 Fig. (russisch). — Sachtleben, Gartenwelt XXV, 1921, p. 57; Mitteil. Biol. Reichsanst. XXIII, 1922, p. 80. — Ludwigs, Ill. Landw. Zeit. 41, 1921, Beilage p. 124, 5 Fig. — Herrmann, Gartenwelt XXV, 1921, p. 298, 1 Fig. — Vogt, Internat. Ent. Zeitschr. XV, 1921, p. 98. — Zacher, Verh. Deutsch. Ges. angew. Ent. 3. Mitgl.-Vers. 1921 (1922), p. 64. — Girard, Vie agr. et rur. (Paris) XX, 1922, p. 160. — Miles, Journ. Minist. Agr. (London) XXIX, 1922, p. 637, 3 Fig.; Journ. Pomol. Hort. Soc. (London) III, 1922, p. 54; Ann. Rep. Agr. Hort. Res. Sta. 1922 (1923), p. 49; 1923 (1924), p. 58, 3 Taf.; Ann. appl. Biol. X, 1923, p. 348, 2 Taf., 11 Fig. — Müller-Thurgau, Osterwalder u. Jegen, Landwirtsch. Jahrb. Schweiz XXXVI, 1922, p. 774. — Nemirow, Publ. 3. Entom.-Kongr. (Petrograd) 1922, p. 137. — Speyer, Deutsche Obstbau-Zeit. XLII, 1922, p. 382; Nachrichtenbl. Deutsch. Pflanzenschutzdienst II, 1922, p. 82; V, 1925, p. 88; Flugbl. Biol. Reichsanst. 69, 1923, 4 p., 3 Fig.; 2. Aufl. 1925; 3. Aufl. 1927; Zeitschr. Schädlingsbekämpfung I, 1923, p. 68, 4 Fig.; Prov.

Sächs. Monatsschr. Obst-, Wein- u. Gartenbau (Halle) XXVI, 1925, p. 181; Arb. Biol. Reichsanst. XIV, 1926, p. 231, 13 Fig.; Obst- u. Gartenbau (Stade) 1931, nr. 1; nr. 9; Die kranke Pflanze IX, 1932, p. 96; Verbandszeitschr. Niederelb. Landes-Obstbau-Verb. (Stade) 1933, nr. 1; Zeitschr. Pflanzenkrankh. XLIII, 1933, p. 523, 1 Fig. — Murata, Ins. World (Gifu) XXVII, 1923, p. 187. — Rau, Georgine 100, 1923, p. 271. — Maag, Schweiz. Zeitschr. Obst- u. Weinbau XXXII, 1923, p. 53. — Baumgärtner, Lehrmeister Garten- u. Kleintierhof XXI, 1923, p. 92, 1 Fig. — Regnier, Rev. Bot. appl. Agr. colon. III, 1923, nr. 19; Bull. Soc. Rouen 1924, p. 16, 58, 76, 86; 1930, p. 71, 86; Ann. Epiphyties XI, 1925, p. 1, 2 Taf., 12 Fig. — Werth, Nachrichtenbl. Deutsch. Pflanzenschutzdienst IV, 1924, p. 47; V, 1925, p. 64, 6 Fig., p. 88; Mitteil. Biol. Reichsanst. 27, 1923, p. 213; 40, 1930, p. 58; 43, 1932, p. 57; Angew. Botanik VII, 1925, p. 137. — Strenger, Kleintierz. u. Gartenb. 49, 1924, p. 152. — Champion, Ent. Monthly Mag. LX, 1924, p. 74. — Janorschka, Deutsche Obst- u. Gartenbauzeit. 70, 1924, p. 171. — Massee, Journ. Pomol. Hort. Soc. IV, 1924, 14 p.; Ann. Rep. East Malling Res. Sta. 17, 1924, p. 145, 1 Taf.; 1930, p. 89; Ann. Mag. Nat. Hist. (10) VI, 1930, p. 317. — Heymons, Schädlingstafel Apfelblütenstecher Deutsche Ges. angew. Ent. 1924, 8 p. Text. — Lehmann, Deutsche Obst- u. Gemüsebau-Zeit. 70, 1924, p. 150. — Gonnermann, Erfurter Führer Obst- u. Gartenbau XXVI, 1925, p. 134. — Bennett & van Olivier, Nat. Versl. Holl. Maatsch. Wet. Haarlem XIV, 1925, p. 94. — Richter, Prakt. Obst- u. Gartenbau 1925, nr. 4 (Beilage Prakt. Landwirt 44, 1925, nr. 15). — Beljaew, Garten- u. Gemüseschädl. 1925, p. 8 (russisch). — Aristow, Ann. Stat. Inst. Exp. Agr. (Leningrad) III, 1925 (1926), p. 250; Bur. appl. Ent. (Leningrad) II, 1928, p. 103; III, 1929, p. 265, 1 Fig.; Bull. Plant Protection, ser. nat. VI, 1932, p. 6, 1 Karte. — Ramm, Wegweiser Obst- u. Gartenbau 34, 1926, p. 74. — Janson, Der schwäbische Bauersmann XI, 1926, nr. 12; Georgine 104, 1927, nr. 21. — Kéler, Choroby Sykodniki Roslin II, 1926, p. 22, 4 Fig. — Spenner, Kleintierz. u. Gartenbau 51, 1926, p. 271. — Geissler, Pfalz. Wein XV, 1927, p. 188, 363. — Haese, Obst- u. Gemüsebau 73, 1927, p. 79. — Uffeln, Lehrmeister Garten u. Kleintierhof XXV, 1927, p. 581. — Pisinyshevsky, Défense des Plantes III, 1927, p. 124. — Stellwaag & Geissler, Anz. Schädlingssk. III, 1927, p. 63. — Kamyschnij, Mitteil. Pflanzenschutzdienst Ukraine III—IV 1927 (1928), p. 138, Fig. — Nikolskaja, Défense des Plantes IV, 1927, p. 222. — Mura-

- matsu, Rep. Korea Agr. Exp. Stat. XIII, 1927, p. 32. — Ross, Pflanzengallen, 2. Aufl. von Hedicke 1927, p. 129, 202. — Troitzkii, Anz. Schädling. IV, 1928, p. 103. — Ritus-Potapova, Défense des Plantes V, 1928, p. 25. — Grossgeim, Visn. Sadiv. Vinogr. Garden IV, 1928, p. 217, 264. — Sprengel, Wegweiser Obst- u. Gartenbau 36, 1928, p. 60, 84, 6 Fig. — Appel, Deutsche Landwirtsch. Presse 55, 1928, p. 178, 1 Taf. — Blaser, Bad. Landwirtsch. Wochenbl. 96, 1928, p. 3. — Kurtz, Die kranke Pflanze V, 1928, p. 164. — Kamuishnuij, Prot. Plants Ukraine III—IV, 1928, p. 138, Fig. — Neresh. & Wagner, Col. Centrabl. III, 1928—29 (1928), p. 250. — Lederer, Einführ. Schädling. 1928—32, p. 40, 308, fig. 27, 47, 96. — Metlitzkij & Jefimow, Mitteil. Versuchsanst. Obstzucht Landw. Ak. 1929, 3, p. 1. — Robinson & Jary, Agricult. Entomology 1929, p. 159, fig. 78, 80. — Hopfe, Obst- u. Gemüsebau 76, 1930, p. 133. — Hus, Tijdschr. Plantenziekten 36, 1930, p. 124. — Massae & Beshir, Journ. Minist. Agr. XXXVII, 1930, p. 164. — Pussard, Rev. path. vég. Ent. agr. XVII, 1930, p. 164, fig.; Compt. rend. Acad. Agr. Fr. VII, 1931, p. 465. — Rau, Zeitschr. Landwirtsch.-Kamm. Niederschles. 34, 1930, p. 1307. — Peska, Prace Wydz. Chor. Róslin (Bromberg), nr. 9, 1930, p. 25. — Arakawa, Res. Bull. Agr. Exp. Stat. S. Manchuria V, 1931, p. 13, 7 Taf. — Babel, Anz. Schädling. VII, 1931, p. 117, Fig. — Beuss, Gartenflora 80, 1931, p. 174. — Hustache, Ann. Soc. Ent. Fr. C, 1931, p. 265. — Crüger, Georgine 108, 1931, nr. 29. — Kaven, Mein Sonntagsbl. XIX, 1931, p. 147; Gartenflora 80, 1931, p. 315. — Winkelmann, Obst- u. Gemüsebau 78, 1932, p. 53, 1 Fig. — Stachelberg, Bull. Plant Protect. ser. 1, Ent. nr. 5, 1932, p. 313. — Chuginin, l. c. nr. 6, 1932, p. 37—44, 1 Taf. — Becker, Erfurter Führer Obst- u. Gartenbau XXXIII, 1932, p. 202, 6 Fig. — Jancke, Landmanns Sonntagsbl. 41, 1932, nr. 9. — Durham, Gard. Chronicle 91, 1932, p. 468. — Schacht, Obst- u. Gemüsebau 78, 1932, p. 109. — v. Lengerken, Schädlingbuch 1932, p. 154, fig. 72. — Braun, Tätigkeitsber. Biol. Reichsanst. Land- u. Forstwirtsch. Zweigstelle Stade, 1932—33 (1934), p. 5.
- A. *pomorum* nicht oder wenig schädlich: Lobik, Mitteil. Pflanzenschutzdienst Tersch I—II, 1927, Juli. — Wiesmann, Schweiz. Zeitschr. Obst- u. Weinbau 1928, p. 480, 4 Fig. — Werth & Klemm, Nachrichtenbl. Deutsch. Pflanzenschutzdienst X, 1930, p. 55, 3 Fig.; XII, 1932, p. 87, 3 Fig. — Klemm, l. c. XI, 1931, p. 4, 1 Fig. — Brassler, Prov. sächs. Monatsschr. Obst-, Wein- u. Gartenbau XXXII, 1931, p. 116. — Eckstein, Nachrichtenbl. deutsch.

Pflanzenschutzdienst XI, 1931, p. 25, 5 Fig. — Frickbinger, Gartenwelt XXXV, 1931, p. 561. — Sprengel, Anz. Schädlingssk. VII, 1931, p. 103. — Trenkle, Nachrichtenbl. dtsh. Pflanzenschutzdienst XI, 1931, p. 49; Anz. Schädlingssk. VIII, 1932, p. 105. — Mozgovoi, Bull. Plant Protect. ser. Ent. VI, 1932, p. 31. — Tshugunin, l. c. p. 37, 1 Taf. — Sante, Thüring. Landw. Wochenschr. IV, 1932, nr. 7. — Schmidt, Obst- u. Gemüsebau 78, 1932, p. 70. — Anonymus, Gartenwelt XXXVI, 1932, p. 688.

Parasiten: Ratzeb. Ichneum. der Forstins. II, 1848, p. 213; III, 1852, p. 250. — Dours, Cat. Hym. France 1874, p. 73. — Watney, Garden Chronicle (2) XIX, 1883, p. 219. — Rudow, Ent. Zeitschr. (Guben) II, 1888—89 (1888), p. 2; Int. Ent. Zeitschr. VI, 1912, p. 171. — Elliott & Morley, Trans. Ent. Soc. Lond. 1907, p. 52. — Gorsky, Chrzaistvo III, 1908, p. 868. — Mokrzecki, Zeitschr. wiss. Insektenbiol. VII, 1911, p. 63. — Rühl, Soc. Ent. XXVI, 1911—12, p. 31; XXVIII, 1913—14, p. 35; XXIX, 1914, p. 16, 18, 34, 37—39; XXXVII, 1922, p. 26, 44; XXXVIII, 1923, p. 24. — Portschinsky, Trudy Bjuro Ent. IX, nr. 10, 1912, 12 p. — Catoni, Boll. Labor. Portici VI, 1912, p. 148, 2 Fig. — Imms, Ann. appl. Ent. IV, 1917, p. 211, 1 Taf., 5 Fig. — Smits van Burgst, Ent. Berichten Nederl. Ent. Ver. V, 1917—21 (1917), p. 1; VI, 1921—25 (1922), p. 71. — Scagnolari, Foglio d'Istr. Osserv. Fitopat. IX, 1920, 4 p., 1 Fig. — Miles, Ann. appl. Ent. X, 1923, p. 366. — Gaumont, Rev. Path. vég. et Ent. agr. X, 1923, p. 391. — Ruschka, Ent. Tidskr. XLV, 1924, p. 13. — Tschorbadjiew, Mitteil. Bulgar. Ent. Ges. II, 1925, p. 88. — Kéler, Polskie Pismo Ent. V, 1926, p. 83; Journ. Econ. Ent. XIX, 1926, p. 866, 1 Taf. — Speyer, Arb. Biol. Reichsanst. XIV, 1926, p. 231, 15 Fig. — Meyer, Rev. appl. Ent. IV, 1929, p. 233; Zeitschr. angew. Ent. XX, 1934, p. 611. — Vukasovitch, Compt. rend. Soc. Biol. (Paris) CVI, 1931, p. 697. — Mozgovoi, Bull. Plant Protect. ser. Ent. VI, 1932, p. 31. — Shugunin, l. c. p. 37, figs.

pubescens Payk. Monogr. Curc. Suec. 1792, p. 12 (*Curculio*); Fn. Suec. III, 1800, p. 198. — Gyll. Ins. Suec. I, 3, 1813, p. 192 (*Rhynchaenus*). — Germar, Mag. Ent. IV, 1821, p. 325 (*Anthonomus*). — Zetterst. Fn. Ins. Lapp. I, 1828, p. 304 (*Rhynchaenus*); Ins. Lapp. I, 1838 (1840), p. 173. — C. R. Sahlb. Ins. Fenn. II, 1835, p. 83. — Schönh. Gen. Spec. Curc. III, 1, 1836, p. 343 (*Anthonomus*); VII, 2, 1843, p. 220. — Falderm. Fn. Ent. Transcauc. III in Nouv. Mém. Soc. Nat. Moscou VI, 1838, p. 203. — Walton, Ann. Mag. Nat. Hist. (2) I, 1848, p. 418; Sep. p. 106; Stett. Ent. Zeit.

Nord- u. Mitteleuropa

X, 1849, p. 265. — Redt. Fn. Austr. 1849, p. 407; ed. 2, 1858, p. 769; ed. 3, 1874, II, p. 310. — Bach, Käferfn. II, 1852—54 (1854), p. 309. — Gutfl.-Bose, Käf. Deutschl. 1859, p. 519. — Kolen. Bull. Moscou XXXII, 1, 1859, p. 337. — C. G. Thoms. Skand. Col. VII, 1865, p. 325; X, 1868, p. 210, 213. — Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 415, 424; Frelon II, 1892, p. 108, 144. — Crotch, Entomologist IV, 1868—69 (1869), p. 309. — Rye, Ent. Monthly Mag. VI, 1869—70 (1869), p. 87. — Seidl. Fn. Balt. 1872—75 (1875), p. 434; ed. 2, 1887—91 (1891), p. 641; Fn. Transsylv. 1888—91 (1891), p. 713. — Acloque, Fn. France, Col. 1896, p. 384. — Everts, Col. Neerland. II, 1903, p. 641; III, 1922, p. 575. — Kuhnt, Ill. Best.-Tab. Käf. Deutschl. 1913, p. 1004, fig. 295. — Reitt. Fn. Germ. V, 1916, p. 191, t. 163, f. 8. — Hansen, Danmarks Fn. XXIII, Snudebiller 1918, p. 209, 214. — Hust. Ann. Soc. Ent. Fr. C, 1931, p. 256, 260. — Porta, Fn. Col. Ital. V, 1932, p. 326.

britannus Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 416, 429; Frelon II, 1892, p. 108, 144; XVI, 1908, p. 93. — Crotch, Entomologist IV, 1868—69 (1869), p. 309. — Rye, Ent. Monthly Mag. VI, 1869, p. 87; Ent. Annual 1870, p. 105. — Fowler, Ent. Monthly Mag. XXVI, 1890, p. 311, 312; Col. Brit. Isl. V, 1891, p. 316, 319. — Hudson & Beare, Ent. Rec. Journ. Var. XVII, 1905, p. 43.

Biologie: Kaltenbach, Pflanzenfeinde 1874, p. 688. — Bargagli, Bull. Soc. Ent. Ital. XVII, 1885, p. 23; XVIII, 1886, p. 396. — C. Schklg. Ins.-Börse XIII, 1906, p. 259. — Kleine, Ent. Blätt. VI, 1910, p. 283. — Stark, Bull. Leningrad Inst. Farm and Forest pests II, 1932, p. 143, 4 Fig.

pyri Kollar, Verh. Landw. Ges. Wien V, 1837, p. 257; Sep.: Naturgesch. schädli. Ins. 1837, p. 257, fig.; engl. Übersetz. von Loudon 1840, p. 250, fig. — Boh. in Schönh. Gen. Spec. Curc. VII, 2, 1843, p. 215. — Chevr. Rev. Zool. VII, 1844, p. 175. — Redt. Fn. Austr. ed. 2, 1858, p. 769; ed. 3, 1874, II, p. 310. — Bach, Käferfn. II, 1852—54 (1854), p. 307. — Gutfl.-Bose, Käf. Deutschl. 1859, p. 519. — Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 414, 432. — Crotch, Entomologist IV, 1868—69 (1869), p. 308. — Taschenb. Ent. Gärtner u. Gartenfreunde 1871, p. 68, fig. 11; Verh. Nat. Ver. preuss. Rheinl. u. Westf. XXIX, 1872, p. 152; Prakt. Ins.-Kunde I, 1879, p. 651, fig. 47; Ins. nach Schaden u. Nutzen, 2. Aufl. von O. Taschenb. 1906, p. 86. — Seidl. Fn. Balt. 1872—1875 (1875), p. 433; ed. 2, 1887—91 (1891), p. 640; Fn. Transsylv. 1888—91 (1891), p. 712. — De La Blanchère, Ravageurs des verges et vignes 1876, p. 147, fig. 115—116. — Makowsky, Verh. Nat. Ver. Brünn XVI, 1877

Mitteuropa,
Schweden

- (1878), Sitzber. p. 34. — Gozis, Rev. d'Ent. I, 1882, p. 205. — Bedel, Fn. Col. Bassin Seine VI, 1882—88 (1884), p. 130, (1887), p. 296 (*Toxothus piri*). — Stierl. Fn. Col. Helvet. II, 1886—98 (1893), p. 331 (*Anthonomus*). — Rey, Echange XI, 1895, p. 3. — Henschel, Schäd. Forst- u. Obstbaum-Ins. 3. Aufl. 1895, p. 87. — Everts, Col. Neerland. II, 1903, p. 642; III, 1922, p. 575. — Zimmermann, Blätt. Obst-, Wein- u. Gartenbau (Brünn) III, 1905, p. 102, t. f. 13. — Ferrant, Schäd. Ins. Land- u. Forstwirtschaft. 1908—11 (1908), p. 118. — Neresch. u. Wagner, Col. Centralbl. III, 1928—1929 (1929), p. 249, 250.
- cinctus* Redt. Fn. Austr. ed. 2, 1858, p. 768; ed. 3, 1874, II, p. 309. — Desbr. Frelon II, 1892, p. 110, 130. — Zimmermann, Blätt. Obst-, Wein- u. Gartenbau (Brünn) III, 1905, p. 84, t. f. 10. — Kuhnt, Ill. Best.-Tab. Käf. Deutschl. 1913, p. 1095, fig. 319a, 319d. — Reitt. Fn. Germ. V, 1916, p. 192, t. 163, f. 9. — Fryer, Journ. Miss. Agr. XXIX, 1922, p. 748. — Porta, Fn. Col. Ital. V, 1932, p. 236.
- Morphologie:** Vukasovitch, Acta Soc. Ent. Jugosl. V—VI, 1932, p. 77, fig.
- Biologie:** Kollar, Verh. Landw. Ges. Wien V, 1837, p. 257, fig.; Sep. Naturgesch. schäd. Ins. 1837, p. 257, fig.; engl. Uebersetz. von Loudon 1840, p. 250, fig. — Goureaux, Bull. Soc. Hist. Nat. Yonne 1861, p. 11; Ins. nuis. arbres fruit. 1862, p. 11. — Aubé, Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 414. — Taschenb. Gärtner u. Gartenfreunde 1871, p. 69; Verh. Nat. Ver. preuss. Rheinl. u. Westf. XXIX, 1872, p. 152; Prakt. Ins.-Kunde I, 1879, p. 148. — Künstler, Die unseren Kulturpflanzen schäd. Ins. 1871, p. 80. — Frauenfeld, Verh. zool.-bot. Ges. Wien XXII, 1872, p. 393. — Kaltenbach, Pflanzenfeinde 1874, p. 780. — De La Blanchère, Ravageurs des verges et vignes 1876, p. 148. — Perris, Ann. Soc. Ent. Fr. (5) VI, 1876, p. 172. — Deyrolle, Pet. Nouv. Ent. II, 1877, p. 150. — Girard, Bull. Soc. Ent. Fr. 1882, p. LXXXVIII. — Bargagli, Bull. Soc. Ent. Ital. XVII, 1885, p. 23; XVIII, 1886, p. 396. — Dupont, Feuille jeun. Nat. XX, 1890, p. 175. — Decaux, Feuille jeun. Nat. XXII, 1891—92, p. 186. — C. Schklg. Ins.-Börse XIII, 1896, p. 252. — Rupertsberger, Ill. Wochenschr. Ent. II, 1897, p. 406. — Pásztor, Rovart. Lapok IX, 1902, p. 67, 3 Fig. — Zimmermann, Blätt. Obst-, Wein- u. Gartenbau (Brünn) III, 1905, p. 84. — Houard, Zoocécid. Eur. I, 1908, p. 502. — Kleine, Ent. Blätter VI, 1910, p. 284. — Reh in Sorauer, Handb. Pflanzenkrankh. 3. Aufl. III, 1906—13 (1912), p. 555; 4. Aufl. V, 1932, p. 271. — Ritzema Bos, Tijdschr. Ent. LVIII, 1915, Versl. p. XLII. — Harwood & Champion, Ent. Monthly Mag. (3) VII, 1921, p. 226.

— Zacher, Verh. Deutsch. Ges. angew. Ent. 3. Mitgl.-Vers. 1921 (1922), p. 64. — Anonymus, Journ. Minist. Agr. (London) XXIX, 1922, p. 748, 5 Fig. — Fryer, Miscell. Publ. Minist. Agr. Fish. 39, 1923, p. 11. — Patherbridge & Cowland, Ann. appl. Biol. XI, 1924, p. 482, 1 Taf. 10 Fig. — Werth, Nachrichtenbl. deutsch. Pflanzenschutzdienst V, 1925, p. 64, 6 Fig. — Schenk, Mein Sonntagsblatt XIV, 1926, p. 112. — Tempel, Die kranke Pflanze IV, 1927, p. 55. — Ross, Pflanzengallen, 2. Aufl. von Hedicke, 1927, p. 202. — Schleicher, Verh. Nat. Ver. naturw. Unterh. Hamburg XX, 1928, p. 74. — Appel, Deutsche Landw. Presse 55, 1928, p. 178, 1 Taf. — Sprengel, Wegweiser Obst- u. Gartenbau 36, 1928, p. 182; 38, 1930, p. 50, 1 Fig.; Obst- u. Gemüsebau 75, 1929, p. 194. — Neresch. u. Wagn. Col. Centralbl. III, 1928—29 (1929), p. 243. — Lederer, Einführ. Schädlingssk. 1928—32, p. 39, 312. — Helm, Obst- u. Gemüsebau 75, 1929, p. 37; Landw. Zeit. Westf. Lippe 87, 1930, nr. 20. — Lehmann, Korresp.-Bl. wirtsch. Schädlingssk. VI, 1929, nr. 4. — Stackelberg, Bull. Plant Protect. ser. 1, Ent. nr. 5, 1932, p. 313. — Vukasovitch, Acta Soc. Ent. Jugosl. V—VI, 1932, p. 77—83, fig. — v. Lengerken, Schädlingssk. 1932, p. 154, Fig. 70 f. g.

Parasiten: Petherbridge & Cowland, Ann. appl. Ent. XI, 1924, p. 496.

rosarum Dan. Col.-Stud. II, 1899, p. 70. — Desbr. Frelon XVI, 1908, p. 92. — Porta, Fn. Col. Ital. V, 1932, p. 238.

ab. inornatus Dan. l. c. p. 70. — Porta, l. c. p. 238.

rubi Hbst. Natursyst. Ins. Käf. VI, 1795, p. 167, t. 71, f. 8 (*Curculio*). — F. Syst. El. II, 1801, p. 446 (*Rhynchaenus*). — Latr. Hist. Nat. Crust. Ins. XI, 1804, p. 129 (*Curculio*). — Gyll. Ins. Suec. I, 3, 1813, p. 194. — Germar, Mag. Ent. IV, 1821, p. 324 (*Anthonomus*). — Steph. III. Brit. Ent. Mand. IV, 1831, p. 76; Man. Brit. Col. 1839, p. 233. — C. R. Sahlb. Ins. Fenn. II, 1835, p. 85 (*Rhynchaenus*). — Schönh. Gen. Spec. Curc. III, 1, 1836, p. 349 (*Anthonomus*); VII, 2, 1843, p. 232. — Dahlb. Skand. Ins. 1837, p. 63. — Cast. Hist. Nat. Ins. Col. II, 1840, p. 341. — Hochh. Bull. Moscou XX, 1847, p. 548. — Walton, Ann. Mag. Nat. Hist. (2) I, 1848, p. 419; Sep. p. 107; Stett. Ent. Zeit. X, 1849, p. 265. — Redt. Fn. Austr. 1849, p. 407; ed. 2, 1858, p. 769; ed. 3, 1874, II, p. 310. — Bach. Käferfn. II, 1852—54 (1854), p. 308. — Gutfl.-Bose, Käf. Deutschl. 1859, p. 520. — Kolen. Bull. Moscou XXXII, 1859, 1, p. 339. — C. G. Thoms. Skand. Col. VII, 1865, p. 327; X, 1868, p. 210, 213. — Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 416, 418; Frelon II, 1892, p. 107, 129.

Italien

Europa,
Syrien,
Algerien

- Crotch, Entomologist IV, 1868—69 (1869), p. 310. — Rye, Ent. Annual 1870, p. 107. — Taschenb. Ent. Gärtner u. Gartenfr. 1871, p. 70; Prakt. Ins.-Kunde I, 1879, p. 155. — Seidl. Fn. Balt. 1872—75 (1875), p. 434; ed. 2, 1887—1891 (1891), p. 641; Fn. Transsylv. 1888—91 (1891), p. 713. — Bedel, Fn. Col. Bassin Seine VI, 1882—88 (1884), p. 129, (1887), p. 295 (subg. *Toplethus*). — Fowler, Ent. Monthly Mag. XXVI, 1890, p. 311, 312; Col. Brit. Isl. V, 1891, p. 316, 319, t. 170, f. 11. — Stierl. Fn. Col. Helvet. II, 1886—98 (1893), p. 333. — Acloque, Fn. France, Col. 1896, p. 385. — Lameere, Fn. Belge II, 1900, p. 493. — Everts, Col. Neerland. II, 1903, p. 641; III, 1922, p. 575. — Zimmermann, Blätt. Obst-, Wein- u. Gartenbau (Brünn) III, 1905, p. 102. — Ferrant, Schäd. Ins. Land- u. Forstwirtschaft. 1908—11 (1908), p. 119. — Collinge, Man. injur. Ins. 1912, p. 109. — Kuhnt, Ill. Best.-Tab. Käf. Deutschl. 1913, p. 1004. — Wagner in Calwer-Schaufl. Käferb. ed. 6, 1907—1916 (1916), p. 1173. — Reitt. Fn. Germ. V, 1916, p. 191, t. 163, f. 7. — Hansen-, Danmarks Fauna XXII, Snudebiller 1918, p. 209—213. — Hust. Ann. Soc. Ent. Fr. C, 1931, p. 256, 260. — Porta, Fauna Col. Ital. V, 1932, p. 235.
- clavatus* Marsh. Ent. Brit. I, 1802, p. 285 (*Curculio*). — Steph. Ill. Brit. Ent. Mand. IV, 1832, p. 76 (*Anthonomus*); Man. Brit. Col. 1839, p. 233. — Schönh. Gen. Spec. Curc. III, 1, 1836, p. 357; VII, 2, 1843, p. 232.
- melanopterus* Marsh. Ent. Brit. I, 1802, p. 289 (*Curculio*).
- obscurus* Steph. Ill. Brit. Ent. Mand. IV, 1831, p. 75; Man. Brit. Col. 1839, p. 233. — Schönh. Gen. Spec. Curc. III, 1, 1836, p. 349.
- Morphologie: Kempers, Tijdschr. Ent. XLV, 1902, p. 64 (Flügel).
- Biologie: Künstler, Die unseren Kulturpflanzen schäd. Ins. 1871, p. 80. — Buddeberg, Jahrb. Nassau. Ver. XLI, 1889, p. 22. — C. Schklg. Ins.-Börse XIII, 1896, p. 259. — Richter v. Binnenthal, Rosenschäd. 1903, p. 95, Fig. 6. — Zimmermann, Blätt. Ost-, Wein- u. Gartenbau (Brünn) III, 1905, p. 102. — Dyck, Prakt. Ratg. Obst- u. Gartenbau 1905, p. 242. — Lesne, Bull. Soc. Ent. Fr. 1905, p. 178. — Reh, Prakt. Ratg. Obst- u. Gartenbau 1905, p. 152. — Theobald, Ins. and other pests orchard, bush and hothouse fruits 1909, p. 461, fig. 303. — Collinge, Man. injur. Ins. 1912, p. 109. — Tullgren, Meddel. Centralanst. Jordbruksförs. 93, 1914, 12 p., 1 col. Taf.; Trädgården XIV, 1915, p. 169. — Korolkov, Materials study injur. Ins. Moscow V, 1914, p. 92; Orchard and Market Garden nr. 5, 1914, p. 235; Sad i Ogorod V, 1924, p. 235. — Pape, Erfurter Führer Obst- u. Gartenbau

XXI, 1920, p. 128. — Miles, Journ. Bath and West and South Count. Soc. (5) XVI, 1921—1922, 16 p., 12 Fig. — Baunacke, Die kranke Pflanze III, 1926, p. 115. — Berger, Lehrmeister Garten u. Kleintierhof XXIV, 1926, p. 402, 1 Fig. — Lederer, Einführ. Schädlingssk. 1928—32, p. 316. — Illing, Die kranke Pflanze VI, 1929, p. 134. — Rozsypal, Ochra-na Rostlin (Prag) IX, 1929, p. 128, 4 Fig. — Sager, Erfurter Führer Obst- u. Gartenbau XXXI, 1930, p. 171. — Lindblom, Meddel. 375 Centralanst. Försöksväs. (Stockholm) 1930, 39 p., 13 Fig. — Schwartz, Gartenwelt XXXIV, 1930, p. 482, 4 Fig. — Sprengel, Anz. Schädlingssk. VI, 1930, p. 135; Wegweiser Obst- u. Gartenbau 39, 1931, p. 67. — Jary, Journ. S. E. Agr. Coll. Wye XXVIII, 1931, p. 147, 171, 14 Fig. — Beuss, Ratschl. Haus, Garten, Feld VI, 1931, p. 84. — Franz, Natur u. Museum 61, 1931, p. 218, 3 Fig. — Kaven, Gartenflora 80, 1931, p. 238. — Müller, Prov. sächs. Monatsschr. Obst-, Wein- u. Gartenbau 32, 1931, p. 115; Prakt. Ratgeb. Obst- u. Gemüsebau 46, 1931, p. 222. — Schilling, Gartenbauwirtsch. 1931, nr. 21. — Zimmermann, Erfurter Führer Obst- u. Gartenbau 32, 1931, p. 153, 1 Fig. — Bovey, Rev. Hort. Suisse 1931, nr. 12, sep. 4 p., 4 Fig. — Treichler, Pommernblatt 35, 1932, p. 374. — Stackelberg, Bull. Plant Protect. ser. 1, Ent. nr. 5, 1932, p. 313. — Anonymus, Land- u. Gartenwirtsch. IX, 1932, nr. 27. — Lehnert, Gartenbauwirtsch. 1932, nr. 13. — Horn, Geisenheim. Mitteil. 57, 1932, p. 59, 2 Fig. — Krieg, Obst- u. Gemüsebau 78, 1932, p. 142. — Jary, Journ. S.-E. Agr. Coll. Wye XXX, 1932, p. 171, 2 Taf. — v. Lengerken, Schädlingssbuch 1932, p. 155, Fig. 69a, b.

ab. *brunneipennis* Curtis, Ann. Mag. Nat. Hist. V, 1840, p. 280. — Fauvel, Rev. d'Ent. XIV, 1895, p. 116.

England

comari Crotch, Entomologist IV, 1868—69 (1869), p. 310. — Rye, Ent. Annual 1870, p. 107. — Fowler, Ent. Monthly Mag. XXVI, 1890, p. 311, 312; Col. Brit. Isl. V, 1891, p. 316, 319. — Fauvel, Rev. d'Ent. XIV, 1895, p. 116.

ab. *leptopus* Gozis, Bull. Soc. Ent. Fr. 1881, p. CXXXV. — Desbr. Frelon II, 1892, p. 108, 129. — Reitt. Fn. Germ. V, 1916, p. 191. — Porta, Fauna Col. Ital. V, 1932, p. 235.

N. Frankreich

gracilipes Desbr. (nec Boh.) Ann. Soc. Ent. Fr. (5) II, 1872, p. 417. — Bedel, Fn. Col. Bassin Seine VI, 1882—88 (1884), p. 129, nota 3. — Hoffmann, Miscell. Ent. XXXII, 1929, p. 7.

Biologie: Hoffmann, l. c. p. 7.

? ab. *rostrum* Hbst. Natursyst. Ins. Käf. VII, 1797, p. 32, t. 97, f. 7 (*Curculio*).

rufus Gyll. in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 347; VII, 2, 1843, p. 224. — Kolen. Bull. Moscou XXXII, 1859, I, p. 338. — Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 414, 436; Frelon II, 1892, p. 111, 133. — Crotch, Entomologist IV, 1868—69 (1869), p. 368. — Rye, Ent. Monthly Mag. VI, 1869—70 (1869), p. 88; Ent. Annual 1870, p. 106. — Redt. Fn. Austr. ed. 3, 1874, II, p. 309. — Seidl. Fn. Balt. 1872—1875 (1875), p. 434; ed. 2, 1887—91 (1891), p. 640; Fn. Transsylv. 1888—91 (1891), p. 713. — Bedel, Fn. Col. Bassin Seine VI, 1882—88 (1887), p. 298. — Stierl. Fn. Col. Helvet. II, 1886—98 (1893), p. 333. — Acloque, Fn. France, Col. 1896, p. 386. — Donisthorpe, Ent. Rec. Journ. Var. XII, 1900, p. 159. — Everts, Col. Neerland. II, 1903, p. 643; III, 1922, p. 575. — Zimmermann, Blätt. Obst-, Wein- u. Gartenbau (Brünn) III, 1905, p. 102. — Kuhnt, Ill. Best.-Tab. Käf. Deutschl. 1913, p. 1004, fig. 318 b. — Reitt. Fn. Germ. V, 1916, p. 194. — Hansen, Danmarks Fauna XXII, Snudebiller 1918, p. 209, 211. — Hust. Ann. Soc. Ent. Fr. C, 1931, p. 258, 269, fig. 295. — Porta, Fn. Col. Ital. V, 1932, p. 236.

nitidirostris Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 437.

opacirostris Desbr. l. c. p. 437.

Biologie: Desbr. Ann. Soc. Ent. Fr. (5) II, 1872, p. 419. — Perris, Ann. Soc. Linn. Lyon (n. s.) XXIII, 1876 (1877), p. 241; Larves Col. 1877, p. 401. — Bargagli, Bull. Soc. Ent. Ital. XVII, 1885, p. 25; XVIII, 1886, p. 396. — Zimmermann, Blätt. Obst-, Wein- u. Gartenbau (Brünn) III, 1905, p. 102. — Kleine, Ent. Blätt. VI, 1910, p. 285. — Urban, Ent. Mitteil. I, 1912, p. 331. = *Anthrenus rufus* Hbst.

var. languidus Gyll. in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 348; VII, 2, 1843, p. 224. — Kolen. Bull. Moscou XXXII, 1859, I, p. 339. — Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 414, 437; Frelon II, 1892, p. 133, 157. — Bedel, Fn. Col. Bassin Seine VI, 1882—88 (1884), p. 130.

var. pruni Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 414, 439; (5) II, 1872, p. 419; Frelon I, 1891, p. 39; II, 1892, p. 111, 134. — Rey, Echange XI, 1895, p. 3. — Gerhardt, Berl. Ent. Zeitschr. XVI, 1872, p. 160. — Kuhnt, Best.-Tab. Käf. Deutschl. 1913, p. 1004. — Reitt. Fn. Germ. V, 1916, p. 194. — Kolbe, Ent. Mitteil. V, 1917, p. 257. — Hus-tache, Ann. Soc. Ent. Fr. C, 1931, p. 270. — Porta, Fn. Col. Ital. V, 1932, p. 236.

Biologie: H. Bris. Bull. Soc. Ent. Fr. 1869, p. XXXVI. — Bargagli, Bull. Soc. Ent. Ital. XVII, 1885, p. 23; XVIII, 1886, p. 396.

sibiricus Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 416, 423. — Faust, Oefv. Finska Vet.-Soc. Förh. XXXII, 1890, p. 92.

Mitteleuropa

Krim
Deutschland,
Frankreich,
Südeuropa

Altai

- sorbi** Germar, Mag. Ent. IV, 1821, p. 325; Fn. Ins. Eur. XII, 1825, nr. 6. — Schönh. Gen. Spec. Curc. III, 1, 1836, p. 352; VII, 2, 1843, p. 223. — Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 415, 420; Frelon II, 1892, p. 114, 129. — Crotch, Entomologist IV, 1868—69 (1869), p. 309. — Seidl. Fn. Balt. 1872—75 (1875), p. 434; ed. 2, 1887—91 (1891), p. 641; Fn. Transsylv. 1888—91 (1891), p. 713. — Stierl. Fn. Col. Helvet. II, 1886—98 (1893), p. 333. — Everts, Col. Neerland. II, 1903, p. 644; III, 1922, p. 576. — Csiki, Rovart. Lapok X, 1903, p. 126. — Kuhnt, Ill. Best.-Tab. Käf. Deutschl. 1913, p. 1005. — Reitt. Fn. Germ. V, 1916, p. 193. — Hansen, Danmarks Fauna XXII, Snudebiller 1918, p. 208, 213. — Hust. Ann. Soc. Ent. Fr. C, 1931, p. 258, 270.
- oxyacanthae* Boh. Svenska Vet.-Akad. Handl. LXX, 1849, p. 227. — Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 420, 421.
- pedicularius* C. G. Thoms. (nec L.) Skand. Col. VIII, 1865, p. 322; X, 1868, p. 210, 211. Biologie: Perris, Ann. Soc. Linn. Lyon (n. s.) XXIII, 1876 (1877), p. 242; Larves Col. 1877, p. 401. — Bargagli, Bull. Soc. Ent. Ital. XVII, 1885, p. 25; XVIII, 1886, p. 396. — Kleine, Ent. Blätt. VI, 1910, p. 284. — Stackelberg, Bull. Plant Protect. ser. 1, Ent. nr. 5, 1932, p. 313.
- spilotus** Redt. Fn. Austr. 1849, p. 406; ed. 2, 1858, p. 768; ed. 3, 1874, II, p. 309. — Bach, Käferfn. II, 1852—54 (1854), p. 307. — Gutfl.-Bose, Käf. Deutschl. 1859, p. 520. — C. G. Thoms. Skand. Col. VII, 1865, p. 325; X, 1868, p. 210, 213. — Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 415, 448; (5) II, 1872, p. 419; Frelon II, 1892, p. 114, 137. — Seidl. Fn. Balt. 1872—1875 (1875), p. 433; ed. 2, 1887—91 (1891), p. 640; Fn. Transsylv. 1888—91 (1891), p. 712. — Gozis, Rev. d'Ent. I, 1882, p. 205. — Bedel, Fn. Col. Bassin Seine VI, 1882—88 (1884), p. 130, (1887), p. 297 (subg. *Toplethus*). — Stierl. Fn. Col. Helvet. II, 1886—98 (1893), p. 332. — Acloque, Fn. France, Col. 1896, p. 385. — Everts, Col. Neerland. II, 1903, p. 642; III, 1922, p. 575. — Zimmermann, Blätt. Obst-, Wein- u. Gartenbau (Brünn) III, 1905, p. 86. — Kuhnt, Ill. Best.-Tab. Käf. Deutschl. 1913, p. 1005. — Reitt. Fn. Germ. V, 1916, p. 192, t. 163, f. 11. — Hust. Ann. Soc. Ent. Fr. C, 1931, p. 257, 266. — Porta, Fn. Col. Ital. V, 1932, p. 237.
- Roberti* Wenck. Bull. Soc. Ent. Fr. 1858, p. CCXXXVI. — Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 448, 449.
- rubellus* Desberger in Bechstein, Forstinsectologie, 2. Aufl. Teil 2, 1835, p. 64.
- Biologie: Frauenf. Verh. zool.-bot. Ges. Wien XXII, 1872, p. 393. — Perris, Ann. Soc. Linn. Lyon (n. s.) XXIII, 1876 (1877), p. 241;

Schweden,
Dänemark,
Deutschland,
Elsass,
Holland

Mittel- u.
Südeuropa

- Larves Col. 1877, p. 401. — Bargagli, Bull. Soc. Ent. Ital. XVII, 1885, p. 25; XVIII, 1886, p. 356. — Dupont, Feuille jeun. Nat. XX, 1889—1890, p. 175. — Rupertsberger, Ill. Wochenschr. Ent. II, 1897, p. 406. — Zimmermann, Blätt. Obst-, Wein- u. Gartenbau (Brünn) III, 1905, p. 86. — Houard, Zooecid. Eur. I, 1908, p. 503. — Kleine, Ent. Blätt. VI, 1910, p. 284. — Reh in Sorauer, Handb. Pflanzenkrankh. ed. 3, III, 1912, p. 555; ed. 4, V, 1932, p. 271. ^{ed. 5, 1928, 271} — Stackelberg, Bull. Plant Protect. ser. 1, Ent. nr. 5, 1932, p. 313.
- Stierlini** Desbr. Pet. Nouv. Ent. I, 1869, p. 30; Mittheil. Schweiz. Ent. Ges. III, 1869—72 (1870), p. 189; Ann. Soc. Ent. Fr. (5) II, 1872, p. 416; Frelon II, 1892, p. 114, 139. Griechenland
- subchalybaeus** Reitt. Ent. Blätt. XI, 1915, p. 118. O. Sibirien
- terreus** Gyll. in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 346; Boh. l. c. VII, 2, 1843, p. 224. — Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 454. — Faust, Oefv. Finska Vet.-Soc. Förh. XXXII, 1890, p. 92. S. Russland,
Mongolei,
Daurien,
N. China
- ab. *Desbrochersi* Faust, l. c. p. 92. Minussinsk,
Sampta
- ab. *uniformis* Faust, l. c. p. 92. Orenburg,
Kopal,
Shanghai
- undulatus** Gyll. in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 340; VII, 2, 1843, p. 211. — C. G. Thoms. Skand. Col. X, 1868, p. 210, 211. — Redt. Fn. Austr. ed. 3, 1874, II, p. 310. — Seidl. Fn. Balt. 1872—75 (1875), p. 434; ed. 2, 1887—91 (1891), p. 640; Fn. Transsylv. 1888—1891 (1891), p. 713. — Bedel, Fn. Col. Bassin Seine VI, 1882—88 (1884), p. 131 nota. — Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 415, 452; Frelon II, 1892, p. 109, 135. — Stierl. Fn. Col. Helvet. II, 1886—98 (1893), p. 331. — Acloque, Fn. France, Col. 1896, p. 385. — Kuhnt, Best.-Tab. Käf. Deutschl. 1913, p. 1005, fig. 319 e, 320 c. — Reitt. Fn. Germ. V, 1916, p. 193. — Hust. Ann. Soc. Ent. Fr. C, 1931, p. 257, 267, fig. 299. — Porta, Fn. Col. Ital. V, 1932, p. 236. Deutschland,
Oesterreich,
Frankreich,
Italien
- druparum* var. Hbst. Natursyst. Ins. Käf. VI, 1795, p. 157, t. 70, f. 10 (*Curculio*).
- ruber* Perris, Ann. Soc. Linn. Lyon (n. s.) IV, 1857, p. 141.
- Biologie: ✓ Buysson, Ann. Soc. Ent. Fr. LXXIX, 1910, p. 103. ¹²⁵ ✓ Hust. Ann. Soc. Ent. Fr. C, 1931, p. 268. ^{ohne Abbildung}

Arten von Australien und Oceanien.

- australis** Boisd. Voy. Astrolabe II, 1835, p. 417. — Schönh. Gen. Spec. Curc. VII, 2, 1843, p. 232. Australien
- gracilipes** Boh. Eugenes Resa, Col. 1859, p. 132. Tahiti
- pumilus** Montrz. Ann. Soc. Ent. Fr. (3) VIII, 1860, p. 885. — Heller, Nova Scotia, Zool. II, 3, 1916, p. 261. Lifu,
Loyalty

Afrikanische Arten.

- | | |
|--|---|
| <p>armicrus Fairm. Ann. Soc. Ent. Belg. XLI, 1897, p. 169.</p> <p>camerunensis Hust. Sbornik Ent. Odd. Nár. Mus. Praze X, 1932, p. 55 (sg. <i>Homoeanthonomus</i>).</p> <p>capensis Boh. in Schönh. Gen. Spec. Curc. VII, 2, 1843, p. 234.</p> <p>ferrugineus Hust. Sbornik Ent. Odd. Nár. Mus. Praze X, 1932, p. 56 (sg. <i>Homoeanthonomus</i>).</p> | <p>Madagascar</p> <p>Kamerun,
Belg. Congo
Kapkolonie</p> <p>Kamerun</p> |
|--|---|

Nordamerikanische Arten.

Subg. *Coccotorus* Dietz.

- | | |
|---|---|
| <p>hirsutus Bruner, Ann. Rep. Nebraska State Agr. 1888, p. 126; Ins. Life II, 1889—90 (1890), p. 259. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 190, 191. — Angell, Journ. N. York Ent. Soc. I, 1893, p. 14. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 288. — Chittenden, Proc. Ent. Soc. Washington XXVII, 1925, p. 130, 132.</p> <p>pruniphilus Chittenden, l. c. p. 130, fig. 1.</p> <p>scutellaris J. Lec. Proc. Acad. Philad. 1858, p. 79; Proc. Amer. Philos. Soc. XV, 1876, p. 194. — Saunders, Ins. injur. fruits, ed. 2, 1889, p. 187, fig. 201. — Riley, Ins. Life II, 1889—90 (1890), p. 258, fig. 55. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 190, t. 5, f. 5. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 287, fig. 83 a—c. — Chittenden, Proc. Ent. Soc. Wash. XXVII, 1925, p. 130, 131. — Essig, Ins. Western N. Amer. 1929, p. 502.</p> <p>prunicida Walsh, Prairie Farmer (n. s.) XI (XXVII), 1863, p. 372, fig.; (n. s.) XII (XXVIII), 1864, p. 21, fig.; Proc. Boston Soc. Nat. Hist. IX, 1863, p. 309; Pract. Entomol. II, 1866—67 (1867), p. 79; Trans. Minn. State Hort. Soc. (n. s.) I, 1867, Append. p. 72; Amer. Ent. I, 1869, p. 11, 93; Rep. Ins. Illinois I, p. 72. — Packard, Guide study Ins. ed. 2, 1870, p. 487. — Riley, Rep. nox. benef. Ins. Missouri III, 1870 (1871), p. 39, fig.; Ins. Life II, 1889—90 (1890), p. 259, fig. 56. — Bruner, Ins. Life I, 1888—89, fig. 12; II, 1889—90 (1890), p. 259, fig. 55—56.</p> <p>Biologie: Packard, Guide study Ins. ed. 2, 1870, p. 487. — Riley, Rep. nox. benef. Ins. Missouri III, 1871, p. 39, fig. — Osborn in Riley, Rep. Entomol. 1888 (1889), p. 73. — Beutenmüller, Journ. N. York Ent. Soc. I, 1893, p. 43. — Pettit, Bull. 200 Michigan Agr. Exp. Stat. 1902, p. 208. — Gillette, Bull. 71 Colorado Agr. Exp. Stat. 1902, p. 14. — Cooley, Bull. 62 Montana Agr. Exp. Stat. 1905. — Adams, Bull. Arkansas Agr. Exper. Stat. 92, 1907, p. 10, fig. 13. — Pierce, Ann. Rep. Nebraska Board Agr. 1906—07 (1907), p. 249; Stud. Zool. Labor. Nebraska 78, 1907, p. ;</p> | <p>Nebraska</p> <p>Texas
Massachu-
setts,
Illinois,
Missouri,
Montana,
Kansas,
Colorado,
Texas,
Georgia</p> |
|---|---|

Bull. 63 U. S. Dep. Agr. 1907, p. 40. — Mitchell & Pierce, Proc. Ent. Soc. Wash. XIII, 1911, p. 54. — Reh in Sorauer, Handb. Pflanzenkrankh. ed. 3, III, 1906—13 (1912), p. 558; ed. 4, V, 1932, p. 276. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 288. — Chittenden, Proc. Ent. Soc. Wash. XXVII, 1925, p. 131. — Fernald, Applied Ent. ed. 2, 1926, p. 140. — Essig, Ins. Western N. Amer. 1929, p. 502.

Subg. *Anthonomocyllus* Dietz.

- atomarius** Blatchley in Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 289, 290. N. Jersey
- elegans** J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 196, 202. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 192, t. 5, f. 6. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 288, 289. — Blatchley, Journ. N. York Ent. Soc. XXXIII, 1925, p. 97. Florida
- leucostictus** Dietz, l. c. p. 192, 193, t. 5, f. 7. Texas
- pusillus** J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 196, 202. — Blanch. Ent. Amer. III, 1887, p. 87. — Dietz, l. c. p. 192, 194. — Fall. Trans. Amer. Ent. Soc. XXXIX, 1913, p. 46. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 289. Massachusetts bis
Florida
- Biologie: Blanch. Ent. Amer. III, 1887, p. 87. — Fall, Trans. Amer. Ent. Soc. XXXIX, 1913, p. 46.
- var. *Hamiltoni* Dietz, l. c. p. 193. — Fall, l. c. p. 46. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 289. Florida
- xanthoxyli** Linell, Journ. N. York Ent. Soc. V, 1897, p. 49. Texas

Subg. *Leptarthrus* Dietz.

- costulatus** Suffr. Arch. Naturgesch. XXXVII, 1871, p. 137. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 291, 292. Florida,
Cuba
- irroratus** Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 198, t. 6, f. 11. — Schwarz, Proc. Ent. Soc. Wash. XV, 1913, p. 43. — Blatchley & Leng, l. c. p. 292.
- Julichi** Dietz, l. c. p. 198, t. 5, f. 10. — Blatchley & Leng, l. c. p. 291. Florida

Subg. *Paranthonomus* Dietz.

- profundus** J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 195, 198. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 200. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 290. Quebec bis
Iowa,
Maryland
- vulpinus** Dietz, l. c. p. 200, 201. — Fall, Trans. Amer. Ent. Soc. XXXIX, 1913, p. 46.
- Biologie: Schwarz, Proc. Ent. Soc. Wash. I, 1884—89 (1889), p. 232. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 291.

rubidus J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 195, 199. — Hamilton, Canad. Ent. XVII, 1885, p. 106. — Dietz, l. c. p. 200, 201. — Fall, l. c. p. 47. — Blatchley & Leng, l. c. p. 290, 291.

Ontario bis
Washington

Subg. **Anthonomorphus** Dietz.

fulvus J. Lec. Proc. Acad. Philad. 1858, p. 79; Proc. Amer. Philos. Soc. XV, 1876, p. 195, 197. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 195, t. 5, f. 8. — Hunter & Pierce, Bull. 114 U. S. Dep. Agr. 1912, t. 2, f. b.

Kansas,
Oklahoma,
Texas

Biologie: Pierce, Bull. 63, Part 2 U. S. Dep. Agr. 1907, p. 40, 47; 73, 1908, p. 45; 200, 1912, p. 76. — Hunter & Pierce, Bull. 114 U. S. Dep. Agr. 1912, p. 30.

Parasiten: Pierce, Ent. News XVIII, 1907, p. 359; Bull. 63, Part 2 U. S. Dep. Agr. 1907, p. 41; Journ. Econ. Ent. I, 1908, p. 384. — Mitchell & Pierce, Proc. Ent. Soc. Wash. XIII, 1911, p. 54.

peninsularis Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 195.

S. Californien

pervilis Dietz, l. c. p. 195, 196.

„

Subg. **Trichobaropsis** Dietz.

texanus Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 197, t. 5, f. 9. — Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 158, 187, t. 11, f. 4. — Pierce, Proc. U. S. Nat. Mus. XXXIV, 1908, p. 174.

Texas,
Mexico

Biologie: Mitchell & Pierce, Proc. Ent. Soc. Wash. XIII, 1911, p. 55.

Subg. **Anthonomus** s. str.

aeneolus Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 220, 223.

Californien,
Texas,
Arizona

Biologie: Pierce, Bull. 63, Part 2 U. S. Dep. Agr. 1907, p. 40; 100, 1912, p. 77. — Mitchell & Pierce, Proc. Ent. Soc. Wash. XIII, 1911, p. 54.

Parasiten: Pierce, Ent. News XVIII, 1907, p. 379; Journ. Econ. Ent. I, 1908, p. 383. — Pierce, Cushman & Hood, Bull. 100 U. S. Dep. Agr. 1912, p. 77.

albopilosus Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 220, 222. — Fall, Trans. Amer. Ent. Soc. XXXIX, 1913, p. 48. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 306.

Californien,
N. Mexico,
Texas

Biologie: Pierce, Bull. 73, U. S. Dep. Agr. 1908, p. 46; 100, 1912, p. 76. — Hunter & Pierce, Bull. 114 U. S. Dep. Agr. 1912, p. 30. — Mitchell & Pierce, Proc. Ent. Soc. Wash. XIII, 1911, p. 54. — Essig, Ins. Western N. Amer. 1929, p. 502.

Parasiten: Pierce, Ent. News XVIII, 1907, p. 361; Journ. Econ. Ent. I, 1908, p. 364. —

- Pierce, Cushman & Hood, Bull. 100 U. S. Dep. Agr. 1912, p. 76.
- apertus** Fall, Papers Calif. Acad. III, 1901, p. 262. S. Californien
- appositus** Fall, Trans. Amer. Ent. Soc. XXXIX, 1913, p. 52. Montana, Arizona
- basidens** Fall, Trans. Amer. Ent. Soc. XXXIX, 1913, p. 50. S. Californien, Mexico
- bicorostris** Blatchley, Journ. N. York Ent. Soc. XXXIII, 1925, p. 97. Florida
- Biologie: Blatchley, l. c. p. 98; XXXVI, 1928, p. 279.
- Blatchleyi** nom. nov. "
- australis* Blatchley (nec Boisd.), Journ. N. York Ent. Soc. XXXIII, 1925, p. 98.
- brunnipennis** Mannerh. Bull. Moscou XVI, 1843, II, p. 292. — J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 195, 198. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1911, p. 208, 211. — Fall, Trans. Amer. Ent. Soc. XXXIX, 1913, p. 47. Californien
- callirrhoe** Pierce, Proc. U. S. Nat. Mus. XXXIV, 1908, p. 176. Texas
- Biologie: Mitchell & Pierce, Proc. Ent. Soc. Wash. XIII, 1911, p. 54.
- concinus** Dietz, Trans. Amer. Ent. Soc. XVIII, 1911, p. 215, 217. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 300, 302. Florida
- consimilis** Dietz, l. c. p. 214, 216. — Blatchley & Leng, l. c. p. 299, 301. — Blatchley, Journ. N. York Ent. Soc. XXX, 1922, p. 104; XXXIII, 1925, p. 97. District Columbia, Illinois, Wisconsin, Pennsylvanien
- corvulus** J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 196, 201. — Dietz, l. c. p. 208, 213. — Blatchley & Leng, l. c. p. 296—298. Canada bis Florida
- Dentoni** Angell, Journ. N. York Ent. Soc. I, 1894, p. 13. — Dietz, l. c. p. 225, 232. Nevada, N. Jersey, Maryland, Georgia, Texas
- disjunctus** J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 196, 204. — Dietz, l. c. p. 228, 232. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 309, 310. — Blatchley, Journ. N. York Ent. Soc. XXXIII, 1925, p. 99. Georgia, Illinois, Texas, Maryland, N. Jersey, Michigan, N. York
- Biologie: Pierce, Bull. 63, Part 2 U. S. Dep. Agr. 1907, p. 41; 73, 1908, p. 46. — Blatchley, Journ. N. York Ent. Soc. XXX, 1922, p. 105.
- dissimilis** Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, E. Amer. 1916, p. 308. Virginia
- ebenicus** Dietz, l. c. p. 220, 221. S. Californien
- effetus** Dietz, l. c. p. 220, 224. Californien, Oregon
- faber** Dietz, l. c. p. 220, 224. Texas
- flavicornis** Boh. in Schönh. Gen. Spec. Curc. VII, 2, 1843, p. 231. — J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 195, 201. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 208, 211, Canada bis Florida

- t. 6, f. 14. — Blatchley & Leng, Rhynchoph. E. Amer. 1916, p. 308.
- Biologie: Schwarz, Bull. Brooklyn Ent. Soc. VII, 1884, p. 84.
- grandis** Boh. in Schönh. Gen. Spec. Curc. VII, 1, 1843, p. 232. — Suffr. Arch. Naturgesch. XXXVII, 1871, I, p. 130. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 205. — Townsend, Ins. Life VII, 1895, p. 296, fig. 30. — Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 186, t. 11, f. 3, 3a. — Pierce, Proc. U. S. Nat. Mus. XLII, 1912, p. 155; Journ. Agr. Research I, 1913, p. 91, fig. 2, 4, 6, 8. — Coad, Bull. 231 U. S. Dep. Agr. 1915, p. 5. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 294, fig. 84 a—b.
- Morphologie: Hunter & Pierce, Bull. 114 U. S. Dep. Agr. 1912, p. 37, fig. 3, 4. — Mc Indoo, Journ. Agr. Research 33, 1926, p. 1095, 16 Fig.
- Denkmal: Howard, Insect menace 1931, p. 319, Taf.
- Biologie etc. *) Haupt, Texas Stockman and Farmer 28. I. 1903. — Hachenberg, l. c. 14. X. 1903. — Fuchs, l. c. 21. X. 1903. — Conrad, Bull. 60 U. S. Dep. Agr. 1906, p. 107. — Portschinsky, Trudy Bjuro Ent. V, 6, 1910, p. 86, t. 6, f. 71. — Cushman, Journ. Econ. Ent. IV, 1911, p. 432. — Pierce, Proc. Ent. Soc. Wash. XIII, 1911, p. 111; Proc. U. S. Nat. Mus. 62, 1912, p. 155; Journ. Agr. Research I, 1913, p. 86, t. 6, f. 3, 4, 7, 8, Textfig. 2, 4, 6, 8; V, 1916, p. 1185, 2 Fig.; VI, 1917, p. 291, 4 Fig.; Lect. appl. Ent. I, 1922, p. 208. — Hunter, Farmers Bull. U. S. Dep. Agr. 500, 1912, 14 p.; 512, 1912, 46 p., 9 Fig.; 848, 1917, 40 p., 6 Fig. — Hunter & Pierce, Bull. 114 U. S. Dep. Agr. 1912, 188 p., 34 Fig. — Wolcott, Proc. Ent. Soc. Wash. XVI, 1914, p. 120. — Alford, The Boll Weevil, Chicago 1914, 31 p., 18 Fig. — Coad, Journ. Agr. Research II, 1914, p. 235; Bull. 231 U. S. Dep. Agr. 1915, 34 p., 1 Fig.; 382, 1916, 32 p., 2 Fig.; 731, 1918, 15 p., 10 Fig.; Monthly Bull. State Comm. Hort. Calif. VI, 1917, p. 291; Yearb. U. S. Dep. Agr. 1920, p. 241, 2 Fig. — Morstatt, Beilage Pflanze 1914, nr. 1, p. 14, t. 1, f. 7; Nachrichtenbl. Pflanzenschutzdienst II, 1922, p. 101; Anz. Schädlingsk. II, 1926, p. 34. — Maskew, Bull. State Comm. Hort. Calif. III, 1914, p. 465, 2 Fig. — Pellet, Bull. Missouri State Board Hort. VI, 1, 61, 1914, 18 p., 8 Fig. — Hinds, Bull. 178 Ala-

Südwestl.
Ver. Staaten,
C. Amerika,
verschleppt
nach
S. Afrika

*) Die Zahl der Schriften über *A. grandis* ist Legion, und es ist unmöglich, dieselben hier alle aufzuzählen. Eine Zusammenstellung gab bis ca. 1909 Bishopp in Circ. 140 U. S. Dep. Agr. 1911. Indem wir auf diese Liste verweisen, geben wir hier ausser einigen älteren Zitaten, die in der genannten Aufzählung fehlen, die wichtigsten seitdem erschienenen Arbeiten bekannt.

bama Agr. Exp. Stat. 1914, p. 87, 1 Fig.; Journ. Econ. Ent. VII, 1914, p. 65; VIII, 1915, p. 420; Circ. 33 Alabama Coll. Stat. 1915, p. 42, 2 Fig.; Bull. 188 Alabama Coll. Stat. 1916, p. 23, 4 Taf., 3 Fig.; Bull. 178 Mississippi Agr. Exp. Stat. 1916, 40 p., 3 Fig.; Circ. 42 Alabama Coll. Stat. 1919, p. 63, 9 Fig.; Circ. 43, 1920, p. 15; Circ. 38 Alabama Polytechn. Inst. 1920, 16 p., 6 Fig.; Extens. Circ. 71—73 Louisiana Agr. Coll. 1924, 12 p., 3 Fig.; Journ. Econ. Ent. XIX, 1926, p. 112, 607. — Pierce & Morrill, Proc. Ent. Soc. Wash. XVI, 1914, p. 14. — Coad & Pierce, l. c. p. 23. — O'Kane, Injur. Ins. 1914, p. 208. — Brown, Bull. 173 Missouri Agr. Exp. Stat. 1915, p. 28. — Herrick, Ins. of economic importance 1915, p. 102. — Heymons in Brehm's Tierleben, 4. Aufl. II, 1915, p. 498. — Mackay, Proc. Ent. Soc. N. Scotia 1916, p. 7. — Higgs, Bull. South Carol. Agr. Exp. Stat. XX, 1916, 23 p.; Ann. Rep. idem 36, 1922—23, p. 18, 4 Fig. — Howe, Bull. 358 U. S. Dep. Agr. 1916, 32 p., 2 Fig. — Blatchley & Leng, Rhynchoph. N. East Amer. 1916, p. 294. — Marlatt, Amer. Forest. XXIII, 1917, p. 75, 14 Fig. — Back, Yearb. U. S. Dep. Agr. 1917, p. 327. — Coad & Mc Gehee, Bull. 564 U. S. Dep. Agr. 1917, 51 p., 2 Taf. — Morrill, Journ. Econ. Ent. X, 1917, p. 312; XIV, 1921, p. 373, 472; XVIII, 1925, p. 715; Bull. 87 Arizona Agr. Exp. Stat. 1918, p. 173. — Bentley, Bull. 22 Tennessee Board Ent. 1917, 14 p., 24 Fig. — Cook, Farmers Bull. 501 U. S. Dep. Agr. 1917, 20 p. — Ballou, Agr. News Barbados XVII, 1918, p. 298; XVIII, 1919, p. 122; XX, 1921, p. 378. — Mc Gregor, Proc. Ent. Soc. Wash. XX, 1918, p. 78. — Lochhead, Rep. Ontario Ent. Soc. XLVIII, 1918, p. 90. — Mc Indoo, Ann. Soc. Ent. Amer. XII, 1919, p. 65; Journ. Agr. Research XXXVIII, 1926, p. 1095, 16 Fig. — Ransdall, Congr. Rec. 58, 1919, p. 4399. — Mote, Ann. Rep. Arizona Comm. Agr. XII—XIII, 1919—1921, p. 17; XIV, 1921—22, p. 25. — Sherman, Cirv. 104 N. Carolina Agr. Exp. Serv. 1920, 20 p., 8 Fig. — Smyth, Ent. News XXXI, 1920, p. 121. — Newell, Journ. Econ. Ent. XIII, 1920, p. 123. — Ferris, Bull. 196 Mississippi Agr. Exp. Stat. 1920, 8 p. — Johnson & Coad, Farmers Bull. 1098 U. S. Dep. Agr. 1920, 31 p., 5 Fig. — Browne & Kelly, Bull. 205 Mississippi Agr. Exp. Stat. 1921, 15 p., 4 Fig. — Sanderson, Insect pests, ed. 2, 1921, p. 243. — Catoni, Circ. 41 Porto Rico Dep. Agr. 1921, p. 3. — Smith, Bull. 926 U. S. Dep. Agr. 1921, 44 p., 1 Taf., 18 Fig.; Quart. Bull. St. Plant Board Florida VII, 1922, 64 p., 13 Fig. — O'Kane, Journ. Econ. Ent. XV, 1922, p. 209. — Vayssière, Agr. Colon. LII—LIII, 1922, p. 97, 150, 4 Taf., 3 Fig. — Hunter &

Coad, Farmers Bull. 1262 U. S. Dep. Agr. 1922, 39 p., 5 Fig.; 1329, 1923, 30 p., 5 Fig. — M'Donald, Ann. Rep. Comm. Agr. Texas XV, 1922, p. 32; Bull. Texas Dep. Agr. 74, 1923, 21 p., 1 Taf. — Coad & Cassidy, Circ. 274 U. S. Dep. Agr. 1923, 3 p.; Bull. 875 U. S. Dep. Agr. 1920, 31 p. — Schoene, South Planter 84, 1923, p. 2. — Aigin, Cotton Industry (Moskau) II, 1923, p. 54. — Cook, Bull. 1153 U. S. Dep. Agr. 1923, 20 p. — Kelly, Journ. Econ. Ent. XVI, 1923, p. 552. — Sanborn, Circ. 53 Oklahoma Agr. Exp. Stat. 1923, 12 p., 11 Fig. — Sanborn & Briggs, Extens. Circ. 193 Oklahoma Agr. Col. 1923, 8 p. — Fletcher, Rep. Proc. 5. Ent. Meet. Pusa 1923 (1924), p. 58. — Conner & Reinhard, Circ. 32 Texas Agr. Exp. Stat. 1924, 14 p. — Andres, Zeitschr. angew. Ent. X, 1924, p. 470. — Leiby & Harris, Bull. N. Carolina Dep. Agr. 1924, März, 19 p., 6 Fig. — Post, Bull. 301 Georgia State Coll. Agr. 1924, 22 p., 8 Fig. — Nickles, Circ. 33 South Carolina Agr. Exp. Stat. 1925, 39 p., 8 Fig. — Lathrop & Boie, Extens. Circ. 64 Clemson Agr. Coll. 1925, 4 p. — Grossmann, Journ. Econ. Ent. XVIII, 1925, p. 236; XX, 1927, p. 327; XXII, 1929, p. 662; Florida Ent. XII, 1928, p. 33, 57; XIII, 1929, p. 32, 41; XIV, 1930, p. 45, 66; XV, 1931, p. 13, 21; Journ. Agr. Research XXXVI, 1928, p. 135, 9 Fig.; Bull. 241 Florida Agr. Exp. Stat. 1931, 22 p.; 233 idem, 1931, 47 p., 18 Fig. — Dunnam, Journ. Econ. Ent. XIX, 1926, p. 589. — Gehauf, l. c. p. 593. — Isely, l. c. p. 108; Extens. Circ. 162 Arkansas Coll. Agr. 1926, 7 p., 2 Fig.; Journ. Econ. Ent. XXI, 1928, p. 553; Bull. 271 Arkansas Agr. Exp. Stat. 1932, 34 p., fig. — Osburn, Journ. Econ. Ent. XIX, 1926, p. 643. — Walker & Mills, l. c. p. 600. — Hinds, l. c. p. 112, 599, 607. — Newall, Grossmann & Camp, Stat. Bull. 180 Florida 1926, p. 221, 4 Taf., 3 Fig. — Sanborn, Bull. 157 Oklahoma Agr. Exp. Stat. 1926, p. 1, 10 Taf., 4 Fig. — Wilson, Congr. Rec. (Washington) 67, 1926, p. 2887. — Fernald, Applied entomology, ed. 2, 1926, p. 141, fig. 135, a—c. — Turner & Sen, Agr. Journ. India 22, 1927, p. 173. — Wolcott, Entomologie d'Haiti 1927, p. 251. — Greenbaum, Amer. Journ. Pharm. 99, 1927, p. 10. — Fenton & Dunnam, Journ. Econ. Ent. XX, 1927, p. 327; Journ. Agr. Research 36, 1928, p. 135, 9 Fig.; Techn. Bull. 112 U. S. Dep. Agr. 1929, 75 p., 36 Fig. — Oficina Fed. Defensa Agr. (Mexico), El picudo del algodón 1928, 1 col. Taf., fig. 1—3. — Kincer, U. S. Monthly Weather Rev. L, 1928, p. 301, 1 Fig. — Metcalf & Flint, Destruct. and usefus Ins. 1928, p. 411, fig. 270. — Walker, Journ. Econ. Ent. XXI, 1928, p. 156, 4 Fig. — Kimball, Quart. Bull. State Plant Board Mississippi

VIII, 1928, p. 9. — Sec. Agr. y Fomento Bol. Divulg. (Mexico) V, 1928, p. 1, 3 Fig. — Thomas, Owen, Gaines & Sherman, Bull. 3941 Texas Agr. Exp. Stat. 1929, 40 p., 11 Fig. — Wardle, Problems appl. Ent. 1929, p. 2, 3, 42, 82, 87, 195. — Calhoun, Florida Ent. XV, 1931, p. 41. — Howard, Insects menace 1931, p. 312, 2 Taf. — Principales plagas y enfermedades Rep. Mexico 1931, p. 139, fig. 43, t. 6, f. 5—9. — Jakhontov, Proc. Scient. Research Inst. Cotton Culture 39, 1931, p. 11. — Gaines, Journ. Econ. Ent. XXV, 1932, p. 1181, 1 Fig.; Journ. Econ. Ent. XXVI, 1933, p. 940—943, 1 Taf.; XXVII, 1934, p. 745. — Isely, Bull. Arkansas Agr. Exp. Stat. 271, 1932, 34 p., 7 Fig.; Journ. Econ. Ent. XXVII, 1934, p. 762. — Young, l. c. p. 749.

Parasiten u. andere Feinde: Townsend, Ins. Life VII, 1895, p. 299. — Coquillett, Bull. 7 U. S. Dep. Agr. Techn. Ser. 1897, p. 50. — Rangel, Bol. I Com. Paras. Agr. 1901, p. 197, 245. — Ashmead, Psyche IX, 1902, p. 324. — Mally, Public. Printer (Austin) 1902, p. 23. — Hunter & Hinds, Bull. 45 U. S. Dep. Agr. 1904, p. 105, 3 Fig.; 2. Ausg. 51, 1905, p. 105, 3 Fig. — Banks, Techn. Bull. 13 U. S. Dep. Agr. 1906, p. 17. — Crawford, Canad. Ent. XXXIX, 1907, p. 133; Proc. Ent. Soc. Wash. IX, 1908, p. 157; XI, 1909, p. 150; Journ. N. York Ent. Soc. XV, 1907, p. 178. — Hunter, David, Newell & Pierce, Circ. 20 Louisiana Crop Pest Comm. 1907, p. 3. — Hinds, Bull. 63, Part III U. S. Dep. Agr. 1907, p. 45, 1 Fig. — Morgan, l. c. Part IV, 1907, p. 49, fig. 8—9. — Pierce, Bull. 63, Part II U. S. Dep. Agr. 1907, p. 39; 73 idem 1908, p. 63; Journ. Econ. Ent. I, 1908, p. 117, 315, 381, 383, 384, 389. — Michell & Pierce, Proc. Ent. Soc. Wash. XIII, 1911, p. 54. — Pierce, Cushman & Hood, Bull. 100 U. S. Dep. Agr. 1912, 99 p., 3 Taf., 26 Fig. — Hunty & Pierce, Bull. 114 U. S. Dep. Agr. 1912, p. 136, 3 Taf., 3 Fig. — Rühl, Soc. Ent. XXVIII, 1913—14, p. 52, 60, 85; XXIX, 1914, p. 16, 18, 25, 38, 39; XXXIII, 1918, p. 8. — Coad, Bull. 231 U. S. Dep. Agr. 1915, p. 31. — Pierce, Farmers Bull. 890 U. S. Dep. Agr. 1917, p. 16, fig. 17—18. — Scholl, Oklahoma Farmer XXXII, 1922, p. 12. — Speyer, Zeitschr. angew. Ent. XI, 1925, p. 134, 142. — Grossmann, Science (n. s.) 69, 1929, p. 361; Florida Ent. XV, 1931, p. 8. — Müller & Crisfield, Journ. Econ. Ent. XXIII, 1930, p. 607. — Folsom, Farmers Bull. 1688 U. S. Dep. Agr. 1932, 28 p., 34 Fig. — Wolcott, An economic entomology of the West Indies 1933, p. 297.

var. thurberiae Pierce, Journ. Agr. Research I, 1913, p. 90, t. 6, f. 1, 2, 5, 6, Text-

Arizona

fig. 2, 4, 6, 8. — Coad, Bull. 231 U. S. Dep. Agr. 1915, p. 6; 233 idem 1915, 12 p., 4 Taf. — Essig, Ins. Western N. Amer. 1929, p. 501.

Biologie: Pierce, Journ. Agr. Research I, 1913, p. 89. — Coad & Pierce, Proc. Ent. Soc. Wash. XVI, 1914, p. 23. — Pierce & Morrill, l. c. p. 16. — Coad, Bull. 233 U. S. Dep. Agr. 1915, 12 p., 4 Taf.; 344 idem 1916, 23 p., 2 Taf., 1 Fig. — Mackie, Calif. Cult. 56, 1921, p. 345; Monthly Bull. Calif. Dep. Agr. X, 1921, p. 150. — Morrill, Journ. Econ. Ent. X, 1917, p. 312; XIV, 1921, p. 141, 472; Calif. Cult. 56, 1921, p. 5, 9, 2 Fig. — Vorhies, Calif. Cult. 56, 1921, p. 131; Rep. Arizona Agr. Exp. Stat. 43, 1923, p. 475; Calif. Agr. XI, 1922, p. 627. — Cassidy, Journ. Econ. Ent. XIX, 1926, p. 772. — Heyden, Congr. Rec. (Washington) 67, 1926, p. 12. — Jacobsen, Bull. Calif. Agr. XIV, 1926, p. 157; XV, 1926, p. 122. — McDonald, Rep. Texas Comm. Agr. XIX, 1926, p. 25. — Becker, U. S. Dep. Agr. Yearbook 1927 (1928), p. 226. — Essig, Ins. Western N. Amer. 1929, p. 502. — Wardle, Problems appl. Ent. 1929, p. 362, 373. — Jakhontov, Proc. Scient. Research Inst. Cotton Culture 39, 1931, p. 11.

Parasiten: Coad, Bull. 344 U. S. Dep. Agr. 1916, p. 23.

gularis J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 195, 197. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 205, 206. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 294, 295.

Mittelstaaten

Biologie: Schwarz, Bull. Brooklyn Ent. Soc. VII, 1884, p. 84. — Riley, Rep. Entomol. 1885 (1886), p. 279. — Ulke, Proc. U. S. Nat. Mus. XXV, 1902, p. 55.

haematopus Boh. in Schönh. Gen. Spec. Curc. VII, 2, 1843, p. 222. — Fall, Trans. Amer. Ent. Soc. XXXIX, 1913, p. 47. — Essig, Ins. Western N. Amer. 1929, p. 502.

Canada bis
Oregon,
Californien

sycophanta Walsh, Proc. Ent. Soc. Philad. VI, 1867, p. 265. — Walsh & Riley, Amer. Ent. II, 1870, p. 46. — J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 195, 200. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 208, 209. — Fall, Trans. Amer. Ent. Soc. XXXIX, 1913, p. 47. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 296.

Biologie: Walsh, Proc. Ent. Soc. Philad. VI, 1867, p. 265. — Walsh & Riley, Amer. Ent. II, 1870, p. 46. — Packard, Guide study Ins. ed. 2, 1870, p. 487. — Riley, Rep. Entomol. 1885 (1886), p. 279. — Ulke, Proc. U. S. Nat. Mus. XXV, 1902, p. 55. — Essig, Ins. Western N. Amer. 1929, p. 502.

ab. Bolteri Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 207, 208. — Fall, Trans. Amer. Ent. Soc. XXXIX, 1913, p. 47.

N. Mexico,
Californien

- ab. confusus* Dietz, l. c. p. 208, 209. — Fall, l. c. p. 47. Californien, Montana, Wyoming, Texas
- heterothecae** Pierce, Proc. U. S. Nat. Mus. XXXIV, 1908, p. 177.
Parasiten: Pierce, Journ. Econ. Ent. I, 1908, p. 384. — Pierce, Cushman & Hood, Bull. 100 U. S. Dep. Agr. 1912, p. 77. — Rühl, Soc. Ent. XXIX, 1914, p. 16.
- hicatoriae** Pierce, Proc. U. S. Nat. Mus. XXXIV, 1908, p. 175. „
Biologie: Pierce, Proc. Ent. Soc. Wash. XVIII, 1916, p. 207.
- hirtus** J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 196, 203. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 228, 233. Californien, Texas, Arizona, Utah, Dakota
- interstitialis** Dietz, l. c. p. 215, 219. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 300, 305. Oberer See, District Columbia
- juniperinus** Sanborn, Proc. Boston Soc. Nat. Hist. XII, 1868—69 (1868), p. 81 (*Erirhinus*). — J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 195, 199 (*Anthonomus*). — J. Lec. & Horn, Classif. Col. N. Amer. ed. 2, 1883, p. 473 nota. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 226, 227. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 308. Massachusetts bis Florida
Biologie: Riley, Rep. Entomol. 1885 (1886), p. 279. — Ulke, Proc. U. S. Nat. Mus. XXV, 1902, p. 55. — Blatchley & Leng, l. c. p. 308. — Blatchley, Journ. N. York XXXI, 1928, p. 249.
- likensis** Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 299, 301. Indiana, N. Jersey, Virginia
- melancholicus** Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 208, 211. — Fall, Trans. Amer. Ent. Soc. XXXIX, 1913, p. 48. Vancouver, Oregon, Colorado, Texas
murinus Dietz, l. c. p. 228, 232. — Fall, l. c. p. 48.
- miaeponus** Pierce, Proc. U. S. Nat. Mus. XLII, 1912, p. 167. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 300, 304. N. Carolina
Biologie: Blatchley & Leng, l. c. p. 304.
- mimicanus** Fall, Trans. Amer. Ent. Soc. XXXIX, 1913, p. 54. Arizona
- molochinus** Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 228, 231. — Fall, Trans. Amer. Ent. Soc. XXXIX, 1913, p. 54. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 309, 310. Canada, Montana, N. Hampshire
- morulus** J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 195, 201. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 208, 212. — Fall, Trans. Amer. Ent. Soc. XXXIX, 1913, p. 47. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 298. Californien, Washington
- musculus** Say, Descr. Curc. N. Amer. 1831, p. 15; ed. Lec. I, 1859, p. 277. — Gyll. in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 350; VII, 2, U. S. America, Canada

1843, p. 226. — J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 195, 200. — Saunders, Canad. Ent. XVII, 1885, p. 339. — Riley, Rep. Entomol. 1885 (1886), p. 276, 280, 281. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 215, 216. — Hamilton, Canad. Ent. XXIV, 1892, p. 41. — Chittenden, Ins. Life V, 1892—93 (1893), p. 176. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 300, 302.

Biologie: Packard, Ann. Rep. XVII Massach. Board Agr. 1870, p. 242. — Riley, Rural N. Yorker XLIV, 1885, p. 464; Prairie Farmer LVII, 1885, p. 567; Rep. Entomol. 1885 (1886), p. 276, 279, t. 7, f. 6—7. — Saunders, Canad. Ent. XVII, 1885, p. 239. — Krieg & Riley, Ins. Life I, 1888—89 (1888), p. 85. — Fletcher, Rep. Exp. Farms Canada 1890, p. ?. — Dimmock & Riley, Ins. Life IV, 1891—92 (1891), p. 76. — Hamilton, Canad. Ent. XXIV, 1892, p. 41. — Lugger, Bull. 66 Minnesota Agr. Exp. Stat. 1899, p. 283. — Lacroix, Journ. Econ. Ent. XIX, 1926, p. 819.

Parasiten: Hardenberg, Bull. 159 Wisconsin Agr. Exp. Stat. 1908, p. 20. — Franklin, Ann. Rep. 24 Massach. Agr. Exp. Stat. 1912, p. 17, 20; Bull. 160 Massach. Agr. Exp. Stat. 1915, p. 104. — Lacroix, l. c. p. 825.

nebulosus J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 195, 197. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 203. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 293.

N. York bis
Missouri

Biologie: Pierce, Bull. 100 U. S. Dep. Agr. 1912, p. 77. — Blatchley & Leng, l. c. p. 293. — Wellhouse, Journ. Econ. Ent. XIII, 1920, p. 388; Ann. Soc. Ent. Amer. XIV, 1921, p. 141.

Parasiten: Pierce, Cushman & Hood, Bull. 100 U. S. Dep. Agr. 1912, p. 77.

nigrinus Boh. in Schönh. Gen. Spec. Curc. VII, 2, 1843, p. 230. — J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 196, 201. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 220, 222. — Chittenden, Ins. Life VII, 1894—95 (1895), p. 350. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 305, 306.

Carolina,
Georgia,
Louisiana,
District Co-
lumbia,
Virginia

Biologie: Chittenden, Ins. Life VII, 1894—1895 (1895), p. 350. — Pierce, Bull. 73 U. S. Dep. Agr. 1908, p. 46; 100, 1912, p. 76.

Parasiten: Pierce, Ent. News XVIII, 1907, p. 360; Journ. Econ. Ent. I, 1908, p. 384. — Pierce, Cushman & Hood, Bull. 100 U. S. Dep. Agr. 1912, p. 76. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 306.

obesulus Fall, Trans. Amer. Ent. Soc. XXXIX, 1913, p. 51.

Nevada

obtrusus Fall, l. c. p. 49.

Texas

ochreopilosus Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 228, 233, t. 6, f. 17.

Californien

- orchestoides** Dietz, l. c. p. 226. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 308. Maryland, Distr. Columbia, Missouri
- pallidus** Dietz, l. c. p. 215. — Pierce, Bull. U. S. Nat. Mus. XXXIV, 1908, p. 175. — Blatchley & Leng, l. c. p. 301. Maryland, Louisiana, Florida
- pauperculus** J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 196, 204. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 228, 234, t. 6, f. 18. Californien
- pomorum** L. Siehe paläarktische Arten (Subg. *Anthonomus* s. str.).
- rubricus** nom. nov. Oberer See
- rubellus* Dietz (nec Desberger 1835), Trans. Amer. Ent. Soc. XVIII, 1891, p. 207, 208. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 296.
- rufipennis** J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 195, 200. — Dietz, l. c. p. 205, 207. — Blatchley & Leng, l. c. p. 296, 297. Canada bis Texas
- Biologie: Mitchell & Pierce, Proc. Ent. Soc. Wash. XIII, 1911, p. 55.
- rufipes** J. Lec. l. c. p. 196, 204. — Dietz, l. c. p. 228, 231. — Blatchley & Leng, l. c. p. 309, 310. N. York, Illinois, Iowa
- scutellatus** Gyll. in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 342. — Walsh, Proc. Ent. Soc. Philad. VI, 1867, p. 266 nnota. — J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 195, 198. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 220, 225, t. 6, f. 16. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 305, 307. U. S. America
- variegatus* J. Lec. (nec Suffr. 1871) Proc. Amer. Philos. Soc. XV, 1876, p. 199.
- Biologie: Packard, Guide study Ins. ed. 2, 1870, p. 487. — Pierce, Journ. Econ. Ent. I, 1908, p. 384; III, 1910, p. 357.
- sexguttatus** Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 215, 219. — Fall, Trans. Amer. Ent. Soc. XXXIX, 1913, p. 48. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 300, 303. Florida
- signatus** Say, Descr. Curc. N. Amer. 1831, p. 25; ed. Lec. I, 1859, p. 293. — Gyll. in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 348. — Boh. l. c. VII, 3, 1843, p. 221. — J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 195, 199. — Riley, Rep. Entomologist 1885 (1886), p. 280, 282. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 214, 215, t. 6, f. 15. — Hamilton, Canad. Ent. XXIV, 1892, p. 41. — Morrill, Bull. 63 U. S. Dep. Agr. 1907, p. 59. — Smith, Ann. Rep. N. Jersey State Mus. 1909 (1910), p. 387, fig. 161. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 299, 300, fig. 85. U. S. America, Canada
- bisignatus* Gyll. in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 344; VII, 2, 1843, p. 222. — Riley, Rep. Entomologist 1885 (1886), p. 282.

? fragariae auct.

Biologie; Metamorphose etc.: Cook, Rep. Secr. Michigan State Board Agr. 1888, p. 165. Fig. — Riley & Howard, Ins. Life I, 1888, p. 85. — Dimmock, Ins. Life IV, 1891, p. 76. — Osborn, The Orange Yudd Farmer 1891, p. 148. — Beckwith, Ann. Rep. 5 Delaware Agr. Exp. Stat. 1892, p. 102; Bull. 18 idem 1892, p. 11, 2 Fig.; Bull. 28 idem 1895, 16 p. — Hamilton, Canad. Ent. XXIV, 1892, p. 41. — Riley, Ann. Dep. Agr. 1892 (1893), p. 162, t. 4, f. 1—5. — Chittenden, Ins. Life V, 1892—93 (1893), p. 167, fig. 13—17; VII, 1894—95 (1895), p. 14; Circ. 21 U. S. Dep. Agr. 1897, p. 4, 4 Fig.; Bull. 7 U. S. Dep. Agr. 1897, p. 78; Bull. 10 idem 1898, p. 82; Bull. 40 idem 1903, p. 120. — Smith, Ann. Rep. 14 N. Jersey Agr. Exp. Stat. 1893 (1894), p. ; 25 idem, 1904 (1905), p. 361, fig.; 29 idem, 1908 (1909), p. 323, fig. — Houlbert, Naturaliste XVI, 1894, p. 29, 4 Fig. — Slingerland, Rural N. Yorker 1897, p. 372. — Chittenden, Bull. 10 U. S. Dep. Agr. 1898, p. 82. — Lugger, Bull. 66 Minnesota Agr. Exp. Stat. 1899, p. 85, fig. — Bruner, Trans. Nebraska State Hort. Soc. 1901, p. 49, 32 Fig. — Johnson, Amer. Agric. 1901, p. 788, fig. — Goff, Wisconsin Agric. 1902, p. 11. — Ulke, Proc. U. S. Nat. Mus. XXV, 1902, p. 55. — Quaintance, Bull. 40 U. S. Dep. Agr. 1903, p. 49. — Washburn, Bull. 84 Minnesota Agr. Exp. Stat. 1903, p. 184, 1 Taf.; Ann. Rep. 9 State Ent. Minnesota 1904, p. 119. — Cooley, Bull. 51 Montana Agr. Exp. Stat. 1904, p. Sherman & Collett. Circ. 12 N. Carolina Dep. Agr. 1904, 8 p. — Symons, Bull. 46 U. S. Dep. Agr. 1904, p. 97. — Noël, Naturaliste XXVII, 1905, p. 32. — Pierce, Ann. Rep. Nebraska Board Agr. 1906—07 (1907), p. ; Bull. 63 U. S. Dep. Agr. 1907, p. 39. — Morrill, Bull. 65, Part VI U. S. Dep. Agr. 1907, p. 59. — Chittenden, Circ. 21 U. S. Dep. Agr. rev. ed. 1908, 10 p., 5 Fig. — Lochhead, Ann. Rep. Ent. Soc. Ontario XXXIX, 1909, p. 124. — Smith, Ann. Rep. N. Jersey Stat. Mus. 1909 (1910), p. 387, fig. 160. — Mitchell & Pierce, Proc. Ent. Soc. Wash. XIII, 1911, p. 55. — Reh in Sorauer, Handb. Pflanzenkrankh. ed. 3, III, 1906—12 (1912), p. 556; ed. 4, V, 2, 1932, p. 272. — Hunter & Pierce, Bull. 114 U. S. Dep. Agr. 1912, p. 30. — Headlee, Rep. N. Jersey Agr. Exp. Stat. 1912 (1913), p. 434, fig. 6; 1914 (1915), p. 349; 1915 (1916), p. 322; Circ. 56 N. Jersey State 1916, 8 p., 1 Fig.; Journ. Econ. Ent. IX, 1916, p. 84, 1 Taf., 1 Fig.; X, 1917, p. 287; Bull. 324 N. Jersey Agr. Exp. Stat. 1918, p. 5, 11 Fig. — Slingerland & Crosby, Manual Fruit Ins. 1914, p. 372, fig. 327. — Herrick, Insects of economic importance 1915, p. 69. — Marcovitch,

Rep. Minnesota State Econ. XVI, 1915—16, p. 109, 4 Fig.; Bull. 30 Tennessee State Board Ent. 1919, 17 p., 1 Taf., 12 Fig.; Journ. Econ. Ent. XV, 1922, p. 244. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 301. — Sasseer, Journ. Econ. Ent. XI, 1918, p. 126. — Ross & Curran, Ann. Rep. 50 Ent. Soc. Ontario 1919 (1920), p. 88, 4 Fig.; Canad. Hortic. 1920, p. 29. — Baerg, Bull. 185 Arkansas Agr. Exp. Stat. 1923, 33 p., 3 Taf., 6 Fig. — Brittain, Ann. Rep. 59 Fruit Growers Assoc. Nova Scotia 1923, p. 53; Bull. 12 Dep. Nat. Res. Nova Scotia 1927, p. 62, Taf. 37. — Scholl & Stephens, Bull. 84 Texas Dep. Agr. 1925, p. 119. — Sears, Product. Small Fruit Culture, ed. 2, 1925, p. 119. — Spittall, Proc. Acad. Ent. Soc. X, 1925, p. 70. — Symons, Ent. Rep. Maryl. X, 1925, p. 122. — Kinoshita & Shinkai, Agr. and Hort. (Tokyo) 1926, p. 3. — Frank, West. Fruit Flowers and Garden VIII, 1926, p. 18. — Jardine, Bienn. Rep. Oregon 1926—28 (1928), p. 12, 118. — Macoun & Davis, Bull. (n. s.) 80 Canada Dep. Agr. 1927, p. 43, fig. — Marlatt, Rep. Entomol. 1927 (1928), p. 21. — Metcalf & Flint, Destruct. and useful Ins. 1928, p. 643, fig. 436. — French, Extens. Bull. Massach. XXIX, 1928, p. 11. — Loore, Spec. Bull. Michigan 182, 1928, p. 28. — Palmer & Strong, Bull. Ontario 335, 1928, p. 21. — Smith, Extens. Circ. Louisiana 113, 1928, p. 32. — Jakhontov, Proc. Scient. Research Inst. Cotton Culture 39, 1931, p. 11. — Stackelberg, Bull. Plant Protect. ser. 1, Ent. nr. 5, 1932, p. 313.

Parasiten: Chittenden, Ins. Life V, 1892—1893 (1893), p. 181, fig. 17. — Pierce, Journ. Econ. Ent. I, 1908, p. 384. — Rühl, Soc. Ent. XXXIV, 1919, p. 48; XXXV, 1920, p. 7, 20, 24, 44; XXXVI, 1921, p. 7; XXXVII, 1922, p. 44.

simiolus Blatchley in Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 300, 304. — Wolcott & Montgomery, Amer. Midland Nat. XIV, 1933, p. 162.

Massachu-
setts,
Indiana

solani Fall, Trans. Amer. Ent. Soc. XXXIX, 1913, p. 49.

S. Californien

Biologie: Essig, Ins. Western N. Amer. 1929, p. 502.

squamosus J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 196, 202. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 228, 229.

Colorado,
Kansas,
Nebraska,
Montana,
N. Mexico,
Californien

Biologie: Pierce, Ann. Rep. Nebraska Board Agr. 1906—07 (1907), p. 249; Bull. 63, Part II U. S. Dep. Agr. 1907, p. 40, 42.

Parasiten: Pierce, Ent. News XVIII, 1907, p. 360; Bull. 63, Part II U. S. Dep. Agr. 1907, p. 43; Journ. Econ. Ent. I, 1908, p. 384. — Pierce, Cushman & Hood, Bull. 100 U. S. Dep. Agr. 1912, p. 77. — Rühl, Soc. Ent. XXIX, 1914, p. 16.

- squamulatus** Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 228, 230. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 309. — Blatchley, Journ. N. York Ent. Soc. XXXIII, 1925, p. 98. Wisconsin, Missouri, Indiana
- subguttatus** Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 208, 213. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 296, 299. — Blatchley, Journ. N. York Ent. Soc. XXXIII, 1925, p. 97. Florida, Iowa, Distr. Columbia, N. Jersey
- sulcifrons** J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 195, 201. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 215, 218. — Fall, Trans. Amer. Ent. Soc. XXXIX, 1913, p. 48, 50. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 300, 303. Georgia, Missouri, Illinois, Distr. Columbia, Pennsylvanien
- suturalis** J. Lec. Ann. Lyc. Nat. Hist. N. York I, 1824, p. 174, t. 11, f. 9; Proc. Amer. Philos. Soc. XV, 1876, p. 195, 200. — Gyll. in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 346. — Boh. l. c. VII, 2, 1843, p. 223. — Packard, Guide study Ins. ed. 2, 1870, p. 487. — Riley, Rep. Entomologist 1885 (1886), p. 282. — Saunders, Ins. injur. fruits, ed. 2, 1889, p. 375, fig. 388. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 208, 210. — Gundlach, Contrib. Ent. Cubana III, 5, 1891, p. 289. — Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 157, 175, t. 10, f. 13. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 296, 297. Canada bis Südstaaten, C. America
- erythropterus** Say, Descr. Curc. N. Amer. 1831, p. 25; nd. Lec. I, 1859, p. 293. Biologie: Walsh, Proc. Ent. Soc. Philad. III, 1864, p. 547, 619. — Riley, Amer. Ent. I, 1868, p. 79, fig. — Shimer, Trans. Amer. Ent. Soc. I, 1869, p. 394. — Packard, Guide study Ins. ed. 2, 1870, p. 487; Trans. Wisconsin Hort. Soc. X, 1880, p. 321. — Ulke, Proc. U. S. Nat. Mus. XXV, 1902, p. 55.
- tectus** J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 196, 203. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 228, 230. — Fall, Trans. Amer. Ent. Soc. XXXIX, 1913, p. 53. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 309. Maine bis Kansas
- testaceosquamosus** Linell, Journ. N. York Ent. Soc. V, 1897, p. 50. Texas
- tridens** Fall, Canad. Ent. XLI, 1909, p. 167. S. Californien
- unicus** Blatchley in Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 305. Florida
- univestis** nom. nov. "
- uniformis** Blatchley (nec Faust), l. c. p. 300, 303.
- Biologie: Blatchley, Journ. N. York Ent. Soc. XXXVI, 1928, p. 249.
- varipes** Jacq. du Val in Ramon de la Sagra, Hist. Cuba 1857, p. 200. — Suffr. Arch. Naturgesch. XXXVII, 1872, I, p. 139. — Gundlach, Contrib. Ent. Cubana III, 5, 1891, p. Texas, Florida, Cuba

288. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 305, 307. — Blatchley, Journ. N. York Ent. Soc. XXXIII, 1925, p. 98.
- brevirostris* Linell, Journ. N. York Ent. Soc. V, 1897, p. 50.
- Biologie: Schwarz, Proc. Ent. Soc. Wash. VI, 1904, p. 7.
- vespertinus** Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 214, 216. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 299, 302. Illinois, Georgia, Texas, Florida, Virginia
- virgo** Dietz, l. c. p. 205, 206, t. 6, f. 13. — Blatchley & Leng, l. c. p. 294, 295.
- xanthocnemus** Dietz, l. c. p. 220, 223. — Blatchley & Leng, l. c. p. 305, 306. Canada, Michigan, Illinois, Wisconsin, Texas, Illinois
- ab. *picipes* Blatchley, Journ. N. York Ent. Soc. XXXVI, 1928, p. 249.

Subg. **Sexarthrus** Blanch.

- cylindricollis** Blatchley in Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 313, 314. N. Carolina
- debilis** Blatchley, l. c. p. 313, 314. Florida
- decipiens** J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 196, 206. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 240, 243. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 315, 316. — Blatchley, Journ. N. York Ent. Soc. XXXIII, 1925, p. 100. Quebec bis Florida
- Biologie: Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 315.
- elongatus** J. Lec. l. c. p. 196, 204. — Dietz, l. c. p. 240, 244. — Blatchley & Leng, l. c. p. 315. Quebec bis Florida
- Biologie: Baker, Ent. News VI, 1895, p. 27.
- floralis** Dietz, l. c. p. 237, 238. — Blatchley & Leng, l. c. p. 313, 314. Florida, N. Carolina
- nubiloides** Fall, Bull. Brooklyn Ent. Soc. XXIII, 1928, p. 239. Maine bis Columbia u. Mississippi
- nubilus** J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 196, 205. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 237, 238. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 313, 314. N. Carolina, Florida
- inermis* Blatchley (nec Boh.) in Blatchley & Leng, l. c. p. 318, 321. — Blatchley, Journ. N. York Ent. Soc. XXXIII, 1925, p. 100. — Fall, Bull. Brooklyn Ent. Soc. XXIII, 1928, p. 239.
- parvulus** Blatchley, Journ. N. York Ent. Soc. XXX, 1922, p. 105. Florida
- pictus** Blatchley, l. c. p. 105. N. Jersey
- robustulus** J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 196, 205. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 235, 236. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 311, 312. Atlantische Staaten
- moleculus* Casey, Contrib. Col. N. Amer. 1884, p. 191. — Dietz, l. c. p. 235, 237. —

- Fall, Trans. Amer. Ent. Soc. XXXIX, 1913, p. 54. — Blatchley & Leng, l. c. p. 312.
- Biologie:** Ulke, Proc. U. S. Nat. Mus. XXV, 1902, p. 55. — Blatchley & Leng, l. c. p. 312.
- subfasciatus** J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 196, 205. — Dietz, l. c. p. 235, 236. — Pierce, Bull. U. S. Nat. Mus. XXXIV, 1908, p. 177. — Blatchley & Leng, l. c. p. 311.
- latiusculus** Dietz, l. c. p. 235. — Fall, Trans. Amer. Ent. Soc. XXXIX, 1913, p. 54.
- xantus** Blatchley, Journ. N. York Ent. Soc. XXXIII, 1925, p. 99. — Fall, Bull. Brooklyn Ent. Soc. XXIII, 1928, p. 238.
- ungularis** J. Lec. Proc. Amer. Philos. Soc. XV, 1896, p. 196, 206. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 237. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 313.
- Biologie:** Ulke, Proc. U. S. Nat. Mus. XXV, 1902, p. 55.

Canada bis
Florida

N. York bis
Florida

Subg. **Cnemocyllus** Dietz.

- aphanostephi** Pierce, Proc. U. S. Nat. Mus. XXXIV, 1908, p. 177. Texas
- Parasiten:** Pierce, Journ. Econ. Ent. I, 1908, p. 383. — Pierce, Cushman & Hood, Bull. 100 U. S. Dep. Agr. 1912, p. 77.
- baccharidis** Pierce, Proc. U. S. Nat. Mus. XXXIV, 1908, p. 178. Arizona
- canus** J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 196, 207. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 240, 243. — Fall, Trans. Amer. Ent. Soc. XXXIX, 1913, p. 58. Texas, Arizona, N. Mexico, Californien, Mexico ?
- affinis** J. Lec. l. c. p. 196, 207. — Dietz, l. c. p. 240, 244. — Fall, l. c. p. 59.
- nanus** J. Lec. l. c. p. 196, 207. — Dietz, l. c. p. 240, 244. — Fall, l. c. p. 59. — Champ. Biol. Centr.-Amer. Col. IV, 7, 1910, p. 189 (*Pseudanthonomus*).
- cycliferus** Fall, Trans. Amer. Ent. Soc. XXXIX, 1913, p. 56. Utah
- figuratus** Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 239, 241, t. 6, f. 21. Californien
- bellanthi** Fall, Proc. Calif. Acad. VIII, 1901, p. 262. S. Californien
- inermis** Boh. Eugenies Resa, Col. 1859, p. 132. — J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 196, 203. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 239, 242, t. 6, f. 22. Californien
- jacobinus** Dietz, l. c. p. 240, 242. Colorado
- juncturus** Fall, Trans. Amer. Ent. Soc. XXXIX, 1913, p. 57. S. Californien
- ligatus** Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 240, 245, t. 6, f. 24. — Pierce, Proc. U. S. Nat. Mus. XXXIV, 1908, p. 179. Arizona, Iowa, Texas
- Biologie:** Mitchell & Pierce, Proc. Ent. Soc. Wash. XIII, 1911, p. 55.
- lineatulus** Dietz, l. c. p. 240, 245, t. 6, f. 25. Arizona, Texas

ornatulus Dietz, l. c. p. 239, 241, t. 6, f. 20.

Californien,
S. Californien,
nien, Arizona

sphaeralciae Fall, Trans. Amer. Ent. Soc. XXXIX, 1913, p. 55.

Arizona,
Kansas,
Dacota,
Colorado
S. Californien
Californien

stolatus Fall, Pap. Calif. Acad. VIII, 1901, p. 264.

subvittatus J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 196, 203. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 239, 240, t. 6, f. 19.

tahoensis Fall, Pap. Calif. Acad. VIII, 1901, p. 263.

tenuis Fall, Trans. Amer. Ent. Soc. XXXIX, 1913, p. 57.

S. Californien
Nevada,
Utah, Idaho,
Californien

Subg. *Anthonomochaeta* Dietz.

Eugenii Cano, La Naturaleza (2) II, 1894, p. 377, t. 17. — Champ. Ent. News XVIII, 1907, p. 366. — Pratt, Bull. 63, Part 5 U. S. Dep. Agr. 1907, p. 55, fig. — Inda, Circ. 58 Comis. Paras. Agr. Mexico 1907, 11 p., 1 Taf. — Champ. Ent. News XVIII, 1907, p. 366; Biol. Centr.-Amer. Col. IV, 7, 1910, p. 186. — Schwarz, Proc. Ent. Soc. Wash. X, 1908, p. 5. — Pierce, Cushman & Hood, Bull. 100 U. S. Dep. Agr. 1912, p. 77, fig. 22. — Essig, Ins. Western N. America 1929, p. 501.

Texas,
südl. Ver.
Staaten,
Mexico

aeneotinctus Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 156, 169, t. 10, f. 5; IV, 4, 1906, p. 723. — Walker, Bull. 54 U. S. Dep. Agr. 1905, p. 43, 1 Taf., fig. 16. — Pratt, Bull. 63, Part 5 U. S. Dep. Agr. 1907, p. 55.

Biologie: Walker, Bull. 54 U. S. Dep. Agr. 1905, p. 43, 1 Taf., 1 Fig.; Yearb. U. S. Dep. Agr. 1905, p. 629. — Hinds, Bull. 59 U. S. Dep. Agr. 1906, p. 1, t. 1—6. — Fink, Soc. Ent. XXI, 1906, p. 131. — Pierce, Ann. Rep. Nebraska Board Agr. 1906—07 (1907), p. 249; Bull. 63, Part 5 U. S. Dep. Agr. 1907, p. 39; 73 idem 1908, p. 46; 100 idem 1912, p. 77. — Pratt, Bull. 63, Part 5 U. S. Dep. Agr. 1907, p. 55, 1 Taf., 1 Fig. — Inda, Circ. 58 Comis. Paras. Agr. Mexico 1907, 11 p., 1 Taf., 1 Fig. — Chittenden, Ins. injur. veget. 1907, p. 240. — Crosby & Leonard, Man. veget. Garden. Ins. 1908, p. 255. — Townsend, Journ. Econ. Ent. IV, 1911, p. 241; V, 1912, p. 252; VI, 1913, p. 303; Science (n. s.) XVII, 1913, p. 638. — Hunter & Pierce, Bull. 114 U. S. Dep. Agr. 1912, p. 30. — Reh in Sorauer, Handb. Pflanzenkrankh. ed. 3, III, 1912, p. 558; ed. 4, V, 1932, p. 275. — Urbahns, Bull. Calif. Agr. XII, 1923, p. 360. — Howard, Ent. Rep. U. S. 1924, p. 20. — Campbell, Journ. Econ. Ent. XVII, 1924, p. 645. — Merrill, Rep. Calif. 1927—28 (1929), p. 69; 1928—29 (1930), p. 72. — Wolff, Calif. Cult. 71, 1928, p. 643.

— Anonymus, Rep. Los Angeles Hort. Com. 1929, p. 21. — Ryan, Calif. Cult. 72, 1929, p. 67; Monthly Bull. 18 Calis. Dep. Agr. 1929, p. 246. — Principales plagas . . . Rep. Mexicana 1931, p. 202, fig. 81—82. — Essig, Ins. Western N. Amer. 1929, p. 501, fig. 409.

Parasiten: Meraz, Circ. 33 Com. Paras. Agr. Mexico 1905. — Pierce, Econ. Ent. I, 1908, p. 384; Bull. 63, Part 5 U. S. Dep. Agr. 1907, p. 55.

heterogenus Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 247.

Biologie: Davis, Bull. Brooklyn Ent. Soc. XXVI, 1931, p. 187.

Arizona,
Californien,
Utah, Wash-
ington,
Texas
Texas,
Mexico, Brit.
Honduras,
Panama

mexicanus Boh. in Schönh. Gen. Spec. Curc. VII, 2, 1843, p. 228. — Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 156, 168, t. 10, f. 4; IV, 7, 1903, p. 722. — Schwarz, Proc. Ent. Soc. Wash. X, 1908, p. 6.

helvolus Boh. in Schönh. Gen. Spec. Curc. VII, 2, 1843, p. 224 (= *A. [Paranthonomus] rubidus* J. Lec. ?).

„Nova”
(Nord ?)
„Carolina”

Central- und südamerikanische Arten.

- abdominalis** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 158, 178 (*Paranthonomus*). Panama
- aeneolus** Dietz, Siehe nordamerikanische Arten (Anthonomus). Columbien
- aereus** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 156, 170 (*Anthonomus*). Guatemala
- alboannulatus** Boh. in Schönh. Gen. Spec. Curc. VII, 2, 1843, p. 218. — Suffr. Arch. Naturgesch. XXXVII, 1876, I, p. 134. — Gundlach, Contrib. Ent. Cubana III, 5, 1891, p. 286. — Hust. Fn. Colon. franç. III, 1929, p. 248, 256 (*Anthonomus*). Guadeloupe, Cuba
- albolineatus** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 156, 167 (*Anthonomus*). Mexico, Guatemala
- albopictus** Champ. l. c. p. 157, 173 (*Anthonomus*). Mexico
- alboscuteallatus** Champ. l. c. p. 157, 172, t. 10, f. 10 (*Anthonomus*). Mexico, Guatemala
- alternans** Champ. l. c. p. 157, 176, t. 10, f. 15 (*Anthonomus*). Guatemala
- annulipes** Champ. l. c. p. 157, 175, t. 10, f. 14 (*Anthonomus*). Mexico
- annulipes** Fischer, Berl. Ent. Zeitschr. XXXII, 1888, p. 488. Porto Rico
- anthracinus** Boh. in Schönh. Gen. Spec. Curc. VII, 2, 1843, p. 227. Brasilien
- argentatus** Gyll. in Schönh. l. c. III, 1, 1836, p. 343; VII, 2, 1843, p. 219. Barthélemy
- aterrimus** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 156, 167, t. 10, f. 2 (*Anthonomus*). Panama
- avidus** Faust, Stett. Ent. Zeit. LIV, 1893, p. 333. Caracas

- baridioides** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 157, 170, t. 10, f. 6; IV, 7, 1903, p. 723 (*Anthonomus*). Mexico, Brit. Honduras, Guatemala, Nicaragua
- basalis** Kirsch, Berl. Ent. Zeitschr. XVIII, 1874, p. 429. Peru
- basidens** Fall. Siehe Nordamerikanische Arten, Subg. *Anthonomus*. Mexico
- bidentatus** Boh. in Schönh. Gen. Spec. Curc. VII, 2, 1843, p. 238. — Hust. Fn. Colon. franç. III, 1929, p. 248, 255 (*Anthonomus*). St. Vincent
- bimaculatus** Hust. l. c. p. 249, 261 (*Anthonomus*). Guadeloupe
- biplagiatus** Redt. Reise Novara, Zool. II, Col. 1868, p. 161. Brasilien ?
- biplagiatus** Fairm. Ann. Soc. Ent. Fr. (6) III, 1883, p. 503; Nouv. Arch. Mus. Paris (3) I, 1890, p. 133. Madeira ?
- caerulisquamis** Champ. l. c. p. 157, 174, t. 10, f. 12 (*Anthonomus*). Punta Arenas
- caeruleus** Champ. l. c. p. 157, 172 (*Anthonomus*). Guatemala
- callosus** Faust, Stett. Ent. Zeit. LIV, 1893, p. 329. Panama
- calvescens** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 158, 181, t. 10, f. 22 (*Paranthonomus*). Venezuela
- canaliculatus** Champ. l. c. p. 158, 178, t. 10, f. 18 (*Paranthonomus*). Guatemala
- canescens** Champ. l. c. p. 156, 168, t. 10, f. 3 (*Anthonomus*). Panama
- caracasius** Faust, Stett. Ent. Zeit. LIV, 1893, p. 332. Mexico
- chilensis** nom. nov. Venezuela
- australis* Philippi (nec Boisd.), Stett. Ent. Zeit. XXV, 1864, p. 365. Chile
- ciliaticollis** Champ. Biol. Centr.-Amer. Col. IV, 7, 1910, p. 186, t. 9, f. 7. Panama
- cinereus** Champ. l. c. IV, 4, 1903, p. 158, 180 (*Paranthonomus*). Mexico
- contaminatus** Boh. in Schönh. Gen. Spec. Curc. VII, 2, 1843, p. 219 (*Anthonomus*). Brasilien
- convexifrons** Hust. Fn. Colon. franç. III, 1929, p. 249, 257 (*Anthonomus*). Guadeloupe
- cossonoides** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 158, 186, t. 11, f. 2 (*Paranthonomus*). Panama
- costulatus** Suffr. Siehe nordamerikanische Arten (Subg. *Leptarthrus*). Cuba
- crenatus** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 156, 164, t. 9, f. 29 (*Anthonomus*). Panama
- cristatus** Champ. l. c. p. 156, 163, t. 9, f. 24 (*Leptarthrus*). Guadeloupe
- curvirostris** Champ. l. c. p. 158, 183, t. 10, f. 26 (*Paranthonomus*). Panama
- cyaneus** Champ. l. c. p. 157, 171, t. 10, f. 8 (*Anthonomus*). Mexico
- cyanicolor** Gyll. in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 335; VII, 2, 1843, p. 214. Columbien
- cyanipennis** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 157, 176, t. 10, f. 16 (*Anthonomus*). Panama
- dealbatus** Champ. l. c. IV, 7, 1910, p. 189. Guatemala
- dentipennis** Chevr. Ann. Soc. Ent. Fr. (5) VI, 1876, Bull. p. CCXXVIII. Porto Rico
- distigma** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 156, 166, t. 9, f. 27 (*Anthonomus*). Mexico, Guatemala

- Dufai** Hust. Fn. Colon. franç. III, 1929, p. 248, 250 (*Leptarthrus*). Guadeloupe
- Eugenii** Cano. Siehe nordamerikanische Arten (Subg. *Anthonomochaeta*). Mexico
- filicornis** Hust. Fn. Colon. franç. III, 1929, p. 249, 257 (*Anthonomus*). Guadeloupe
- filirostris** Champ. Biol. Centr.-Amer. Col. IV, 7, 1910, p. 187. Mexico
- flavescens** Boh. in Schönh. Gen. Spec. Curc. VII, 2, 1843, p. 239. — Hust. Fn. Colon. franç. III, 1929, p. 247, 253 (*Trichobaropsis*). Guadeloupe
- flavirostris** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 156, 160, t. 9, f. 18 (*Leptarthrus*). Guatemala
- flavus** Boh. in Schönh. Gen. Spec. Curc. VII, 2, 1843, p. 237. — Hust. Fn. Colon. franç. III, 1929, p. 248, 254 (*Anthonomus*). Guadeloupe
- flexuosus** Hust. l. c. p. 248, 253 (*Anthonomus*). "
- formosus** Kirsch, Berl. Ent. Zeitschr. XII, 1868, p. 209. — Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 157, 170, t. 10, f. 7 (*Anthonomus*). Panama, Columbien
- fulvipes** Champ. l. c. p. 159, 190 (*Trichobaropsis*). Mexico
- funereus** Champ. l. c. p. 156, 166, t. 10, f. 1 (*Anthonomus*). Mexico, Nicaragua
- furcatus** Champ. l. c. p. 156, 159, t. 9, f. 17 (*Leptarthrus*). British Honduras, Nicaragua
- fuscocomaculatus** Champ. l. c. p. 158, 186, t. 11, f. 1 (*Paranthonomus*). Panama, Nicaragua
- gibbipennis** Champ. l. c. p. 156, 161, t. 9, f. 21 (*Leptarthrus*). British Honduras
- gigas** Boh. in Schönh. Gen. Spec. Curc. VII, 2, 1843, p. 213. „Südamerika“
- grandis** Boh. Siehe nordamerikanische Arten (Subg. *Anthonomus*). C. Amerika
- griseisquamis** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 159, 188 (*Trichobaropsis*). Mexico
- guadelupennis** Hust. Fn. Colon. franç. III, 1929, p. 249, 258 (*Anthonomus*). Guadeloupe
- homunculus** Gyll. in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 356; VII, 2, 1843, p. 226. — Hust. Fn. Colon. franç. III, 1929, p. 249, 259 (*Anthonomus*). Guadeloupe, Barthélemy
- var. *differeus* Hust. l. c. p. 250, 260.
- humerosus** nom. nov.
- humeralis* Kirsch (nec Panz. 1795), Berl. Ent. Zeitschr. XII, 1868, p. 210. — Faust, Stett. Ent. Zeit. LIV, 1893, p. 327. Bogotá, Venezuela
- inaequalis** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 156, 160, t. 9, f. 19 (*Leptarthrus*). Panama
- incanus** Champ. l. c. p. 156, 168 (*Anthonomus*). "
- infirmus** Gyll. in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 353; VII, 2, 1843, p. 232. Barthélemy
- ? *aestuans* F. Ent. Syst. I, 2, 1792, p. 445 (*Curculio*); Syst. El. II, 1801, p. 492 (*Rhynchaenus*). — Hbst. Natursyst. Ins. Käf. VI, 1795, p. 476 (*Curculio*).
- instabilis** Faust, Stett. Ent. Zeit. LIV, 1893, p. 327. Venezuela
- isthmicus** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 159, 189, t. 10, f. 9 (*Trichobaropsis*). Panama

- Krugi** Fischer, Berl. Ent. Zeitschr. XXXII, 1888, p. 487. Porto Rico
- libertinus** Faust, Stett. Ent. Zeit. LIV, 1893, p. 328. Venezuela
- longulus** Boh. in Schönh. Gen. Spec. Curc. VII, 2, 1843, p. 214. Brasilien
- luteus** Suffr. Arch. Naturgesch. XXXVII, 1871, I, p. 131. — Gundlach, Contrib. Ent. Cubana III, 5, 1891, p. 286. Cuba
- macromalus** Gyll. in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 352; VII, 2, 1843, p. 236. — Hust. Fn. Colon. franç. III, 1929, p. 255. Barthélemy
- managuensis** Champ. Biol. Centr.-Amer. Col. IV, 7, 1910, p. 188. Nicaragua
- marmoratus** Champ. l. c. IV, 4, 1903, p. 158, 184, t. 10, f. 27 (*Paranthonomus*). Mexico, Panama
- melanostictus** Champ. l. c. p. 158, 181; IV, 7, 1910, p. 186, t. 9, f. 8 (*Paranthonomus*). Panama, Nicaragua
- mexicanus** Boh. Siehe nordamerikanische Arten (Subg. *Anthonomochaeta*). Mexico, British Honduras, Nicaragua, Panama
- mirus** Kirsch, Berl. Ent. Zeitschr. XII, 1868, p. 209. Bogotá
- modicellus** Gyll. in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 355. — Boh. l. c. VII, 2, 1843, p. 266. — Suffr. Arch. Naturgesch. XXXVII, 1871, I, p. 145. — Gundlach, Contrib. Ent. Cubana III, 5, 1891, p. 289. — Hust. Fn. Colon. franç. III, 1929, p. 266. Martinique
- monostigma** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 158, 182, t. 10, f. 24 (*Paranthonomus*). Panama
- morbillosus** Suffr. Arch. Naturgesch. XXXVII, 1871, I, p. 128. — Gundlach, Contrib. Ent. Cubana III, 5, 1891, p. 285. Cuba
- nanus** Gyll. in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 351. St. Domingo
- nigromaculatus** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 156, 161, t. 9, f. 20 (*Leptarthrus*). Mexico, Guatemala, Panama
- nigropictus** Champ. l. c. p. 156, 165, t. 9, f. 28 (*Anthonomus*). Panama
- nigrovariegatus** Fischer, Berl. Ent. Zeitschr. XXXII, 1888, p. 488. Porto Rico
- nodifer** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 156, 162, t. 9, f. 23 (*Leptarthrus*). Panama
- ocularis** Champ. l. c. p. 158, 177 (*Paranthonomus*). Guatemala
- orichalceus** Champ. l. c. p. 156, 169 (*Anthonomus*). Panama
- ornatus** Blanch. in Gay, Hist. Chile, Zool. V, 1851, p. 327, t. 24, f. 10. Chile
- otidocephaloides** Champ. Biol. Centr.-Amer. Col. IV, 4, 1906, p. 722, t. 35, f. 24, 24a. Panama
- paleatus** Champ. l. c. IV, 4, 1903, p. 159, 191 (*Trichobaropsis*). „
- partarius** Boh. in Schönh. Gen. Spec. Curc. VII, 2, 1843, p. 236. Brasilien
- parvidens** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 159, 190, t. 10, f. 10 (*Trichobaropsis*). Guatemala
- pauillus** Champ. l. c. p. 159, 160 (*Trichobaropsis*). „

- pitangae** Mshl. Bull. Ent. Research XV, 1925, p. 284.
Biologie: Mshl. l. c. p. 285.
- posthumus** Suffr. Arch. Naturgesch. XXXVII, 1871, I, p. 146.
- pruinus** Champ. Biol. Centr.-Amer. IV, 4, 1903, p. 158, 184, t. 10, f. 28 (*Paranthonomus*).
- pulchellus** Suffr. Arch. Naturgesch. XXXVII, 1871, I, p. 138.
- pulicarius** Boh. in Schönh. Gen. Spec. Curc. IV, 2, 1843, p. 219. — Cotton, Journ. Porto Rico Dep. Agr. II, 1918, p. 300
Biologie: Wolcott, Circ. 60 Porto Rico Exp. Stat. 1922, 20 p., 20 Fig.; Entomologie d'Haiti 1927, p. 252; An econormis entomologie of the West Indies 1933, p. 592.
- puncticeps** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 157, 173, t. 10, f. 11 (*Anthonomus*).
- punctipennis** Gyll. in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 334; VII, 2, 1843, p. 214. — Suffr. Arch. Naturgesch. XXXVII, 1871, I, p. 132. — Gundlach, Contrib. Ent. Cubana III, 5, 1891, p. 286.
aristus Suffr. l. c. p. 134.
divisus Suffr. l. c. p. 134.
- pusio** Gyll. in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 355; VII, 2, 1843, p. 226.
- pustulatus** Faust, Stett. Ent. Zeit. LIV, 1893, p. 326.
- rhamphoides** Suffr. Arch. Naturgesch. XXXVII, 1871, I, p. 142. — Gundlach, Contrib. Ent. Cubana III, 5, 1891, p. 288.
- Rodriguezi** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 158, 179, t. 10, f. 19 (*Paranthonomus*).
- rotundicollis** Champ. l. c. p. 158, 179, t. 10, f. 20 (*Paranthonomus*).
- rubiginosus** Champ. l. c. p. 158, 185, t. 10, f. 30 (*Paranthonomus*).
- rubricosus** Boh. Eugenies Resa, Col. 1859, p. 130.
- ruficollis** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 157, 171, t. 10, f. 9 (*Anthonomus*).
- rufirostris** Gyll. in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 354. — Boh. l. c. VII, 2, 1843, p. 225. — Hust. Fn. Colon. franç. III, 1929, p. 250, 256.
- santacruzii** Hust. Anal. Soc. Sc. Argent. XCVII, 1924, p. 173.
- scabricollis** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 156, 163, t. 9, f. 25 (*Leptarthrus*).
- sextuberculatus** Champ. l. c. p. 156, 162, t. 9, f. 22 (*Leptarthrus*).
- signatipennis** Blanch. in Gay, Hist. Chlie, Zool. V, 1851, p. 387.
- sobrinus** Faust, Stett. Ent. Zeit. LIV, 1893, p. 328.
- Solarii** Champ. Biol. Centr.-Amer. Col. IV, 7, 1910, p. 188, t. 9, f. 9.
- soleatus** Faust, Stett. Ent. Zeit. LIV, 1893, p. 334.
- sparsus** Boh. Eugenies Resa, Col. 1859, p. 130.
- spinipennis** Hust. Fn. Colon. franç. III, 1929, p. 247, 251 (*Leptarthrus*).

Brasilien:
Rio Grande
do Sul
Cuba

Panama

Cuba

Porto Rico,
Haiti

Panama

Cuba

Barthélemy

Venezuela

Cuba

Guatemala

„

Panama

Brasilien

Mexico

Martinique,
Guadeloupe

Bolivien

Panama

Mexico

Chile

Venezuela

Nicaragua

Venezuela

Montevideo

Guadeloupe

- Spinolae** Boh. in Schönh. Gen. Spec. Curc. VII, 2, 1843, p. 233. Brasilien
- squamans** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 159, 192 (*Trichobaropsis*). Mexico
- squamiger** Champ. l. c. p. 157, 174 (*Anthonomus*). Panama
- squamulosus** nom. nov. Guadeloupe
- squamulatus* Hust. (nec Dietz) Fn. Colon. franç. III, 1929, p. 250, 262 (*Anthonomus*).
- strangulatus** Faust, Stett. Ent. Zeit. LIV, 1893, p. 333. Venezuela
- stupulosus** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 159, 188, t. 10, f. 7 (*Trichobaropsis*). Guatemala
- subparallelus** Champ. l. c. p. 158, 185, t. 10, f. 29 (*Paranthonomus*). Panama
- sulcatus** Kirsch, Berl. Ent. Zeitschr. XVIII, 1874, p. 431. Peru
- sulcipygus** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 157, 177, t. 10, f. 17 (*Paranthonomus*). Panama, Nicaragua
- suturalis** J. Lec. Siehe nordamerikanische Arten C. Amerika (Subg. *Anthonomus*).
- suturellus** Gyll. in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 357; VII, 2, 1843, p. 223. — Suffr. Arch. Naturgesch. XXXVII, 1871, I, p. 143 Martinique
- tantillus** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 159, 192 (*Trichobaropsis*). Guatemala
- teapensis** Champ. l. c. p. 159, 191 (*Trichobaropsis*). Mexico
- tenebrosus** Boh. in Schönh. Gen. Spec. Curc. VII, 2, 1843, p. 228. Brasilien
- tenuirostris** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 158, 187, t. 11, f. 5 (*Trichobaropsis*). Guatemala
- testaceus** Boh. in Schönh. Gen. Spec. Curc. VII, 2, 1843, p. 225. — Suffr. Arch. Naturgesch. XXXVII, 1871, I, p. 144. — Gundlach, Contrib. Ent. Cubana III, 5, 1891, p. 289. — Hust. Fn. Colon. franç. III, 1922, p. 249, 260 (*Anthonomus*). St. Vincent, Guadeloupe, Cuba
- texanus** Dietz, Siehe nordamerikanische Arten (Subg. *Trichobaropsis*). Mexico
- thyasocnemoides** Hust. Fn. Colon. franç. III, 1922, p. 250, 263. Guadeloupe
- tigrinus** Suffr. Arch. Naturgesch. XXXVII, 1871, 8, p. 135. — Gundlach, Contrib. Ent. Cubana III, 5, 1891, p. 287. Cuba
- triangulifer** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 159, 188, t. 10, f. 8 (*Trichobaropsis*). Guatemala, Panama
- triangularis** Champ. l. c. IV, 7, 1910, p. 187. Panama
- tuberculosis** Faust, Stett. Ent. Zeit. LIV, 1893, p. 330. Venezuela
- tuberosus** Gyll. in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 333; VII, 2, 1843, p. 214. Brasilien
- unipustulatus** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 158, 183, t. 10, f. 25 (*Paranthonomus*). Guatemala
- uniserialatus** Champ. l. c. IV, 7, 1910, p. 188.
- variabilis** Philippi, Stett. 6nt. Zeit. XXV, 1864, p. 365. Chile
- variegatus** Suffr. Arch. Naturgesch. XXXVII, 1871, I, p. 139. Cuba
- varipes** Jacq. du Val. Siehe nordamerikanische Arten (Subg. *Anthonomus*). „

Biologie: Wolcott, An economic entomology of the West Indies 1933, p. 592.

- venustus** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 158, 180, t. 10, f. 21 (*Paranthonomus*). Guatemala
- veraepacis** Champ. l. c. p. 156, 164, t. 9, f. 26 (*Leptarthrus*). „
- verrucosus** Suffr. Arch. Naturgesch. XXXVII, 1871, I, p. 126. — Gundlach, Contrib. Ent. Cubana III, 5, 1891, p. 285. Cuba
- vestitus** Boh. Eugenies Resa, Col. 1859, p. 130. — Pierce, Proc. U. S. Nat. Mus. XLII, 1912, p. 155, 157. — Wardle, Problems appl. Ent. 1929, p. 312. Peru, Ins. Puna (Ecuador)
- Biologie: Reh in Sorauer, Handb. Pflanzenkrankh. ed. 3, III, 1912, p. 557; ed. 4, V, 1932, p. 275. — Townsend, Journ. Econ. Ent. IV, 1911, p. 241; V, 1912, p. 252; VI, 1913, p. 303. — Hinds, Ann. Ent. Soc. Amer. XX, 1927, p. 251. — Jakhontov, Proc. Scient. Research Inst. Cotton Culture 39, 1931, p. 11.
- Parasiten: Townsend, Journ. Econ. Ent. IV, 1911, p. 243. — Rühl, Soc. Ent. XXVIII, 1913—14, p. 85, 90, 96; XXIX, 1914, p. 16, 23, 33.
- V-notatus** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 158, 182, t. 10, f. 23 (*Paranthonomus*). Panama
- xanthopus** Boh. in Schönh. Gen. Spec. Curc. VII, 2, 1843, p. 239. Columbien
- yucatanus** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 156, 165 (*Anthonomus*). Mexico
- zonarius** Kirsch, Berl. Ent. Zeitschr. XVIII, 1874, p. 430. Peru
- zunilensis** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 159, 192 (*Trichobaropsis*). Guatemala

327

Brachonnyx Schönh.

- Schönh. Disp. meth. Curc. 1826, p. 232; Gen. Spec. Curc. III, 1, 1836, p. 329; VII, 2, 1843, p. 192. — Cast. Hist. Nat. Ins. Col. II, 1840, p. 340. — Blanch. Hist. Nat. Ins. II, 1845, p. 108. — Redt. Fn. Austr. 1849, p. 41, 408; ed. 2, 1858, p. CXXII, 766; ed. 3, 1874, I, p. CXXXV, II, p. 284. — Bach, Käferfn. II, 1852—54 (1854), p. 157, 305. — Jacq. du Val, Gen. Col. d'Eur. IV, 1854—68 (1854), p. 44, 89. — Gutfl.-Bose, Käf. Deutschl. 1859, p. 451, 518. — C. G. Thoms. Skand. Col. I, 1859, p. 144; VII, 1865, p. 327; X, 1868, p. 213. — Lacord. Gen. Col. VI, 1863, p. 500, 506. — Bedel, Fn. Col. Bassin Seine VI, 1882—88 (1884), p. 127, 131 (1887), p. 299. — Fowler, Col. Brit. Isl. V, 1891, p. 314, 320. — C. Schklg. Deutsche Käferwelt 1885, p. 228, 269. — Seidl. Fn. Balt. ed. 2, 1887—91 (1891), Gatt. p. 163, Arten p. 614; Fn. Transsylv. 1888—91 (1891), Gatt. p. 163, Arten p. 684. — Stierl. Fn. Col. Helvet. II, 1886—98 (1893), p. 301, 315. — Acloque, Fn. France, Col. 1896, p. 380, 385. — Lameere, Fn. Belge II, 1900, p. 492, 493. — Everts, Col. Neerland. II, 1903, p. 555, 644. — Reitt. Verh. Nat. Ver. Brünn LI, 1912 (1913) (Best.-Tab. 68), p. 74; Fn. Germ. V, 1916, p. 190, 195. — Kuhnt, Ill. Best.-Tab. Käf. Deutschl. 1913, p. 914, 1006. — Wagner in Calwer-Schaufuss, Käferb. ed. 6, 1907—16 (1916), p. 1172, 1176. — Hustache, Ann. Soc. Ent. Fr. C, 1931, p. 254, 274. — Porta, Fn. Col. Ital. V, 1932, p. 235, 239.
- pineti** Payk. Monogr. Curc. Suec. 1792, p. 61 (*Curculio*). — Tourn. Ann. Soc. Ent. Belg. XVII, 1874, p. 113 (*Brachonyx*). — Bedel, Fn. Col. Nord- und Mitteleuropa

Bassin Seine VI, 1882—88 (1884), p. 132, (1887), p. 299. — Fowler, Col. Brit. Isl. V, 1891, p. 320; VI, 1893, p. 312. — Acloque, Fn. France, Col. 1896, p. 385. — Everts, Col. Neerland. II, 1903, p. 645; III, 1922, p. 576. — Kuhnt, Ill. Best.-Tab. Käf. Deutschl. 1913, p. 1006, fig. 324. — Reitt. Fn. Germ. V, 1916, p. 195, t. 163, f. 15. — Wagner in Calwer-Schaufuss, Käferb. ed. 6, 1907—16 (1916), p. 1176, t. 49, f. 3. — Hust. Ann. Soc. Ent. Fr. C, 1931, p. 275, fig. 300—301. — Porta, Fn. Col. Ital. V, 1932, p. 239.

indigena Hbst. Natursyst. Ins. Käf. VI, 1793, p. 170, t. 71, f. 12 (*Curculio*). — Payk. Fn. Suec. III, 1800, p. 252. — Gyll. Ins. Suec. I, 3, 1813, p. 71 (*Rhynchaenus*); in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 330 (*Brachomyx*); VII, 2, 1843, p. 192. — Zetterst. Fn. Ins. Lapp. I, 1828, p. 315; Ins. Lapp. I, 1838 (1840), col. 178. — Steven, Mus. Mosq. II, 1829, p. 98. — Guér. Iconogr. Règne Anim. 1829—44, t. 38, f. 2. — C. R. Sahlb. Ins. Fenn. II, 1834—39 (1834), p. 29 (*Rhynchaenus*). — Cast. Hist. Nat. Ins. Col. II, 1840, p. 340 (*Brachomyx*). — Blanch. Hist. Nat. Ins. II, 1845, p. 108. — Gebler, Bull. Moscou XXI, 1848, p. 373. — Redt. Fn. Austr. 1849, p. 408; ed. 2, 1858, p. 767; ed. 3, 1874, II, p. 284. — Bach, Käferfn. II, 1852—54 (1854), p. 305. — Jacq. du Val, Gen. Col. d'Eur. IV, 1854—1868 (1854), p. 44, t. 19, f. 89. — Gutfl.-Bose, Käf. Deutschl. 1859, p. 518. — C. G. Thoms. Skand. Col. I, 1859, p. 144; VI, 1865, p. 328; XI, 1868, p. 213. — Kolen. Bull. Moscou XXXII, 1859, I, p. 335. — C. Schklg. Deutsche Käferwelt 1885, p. 269, t. 17, f. 17. — Seidl. Fn. Balt. ed. 2, 1887—91 (1891), Arten p. 614; Fn. Transsylv. 1888—91 (1891), Arten p. 684. — Sailerl. Fn. Col. Helvet. II, 1886—98 (1893), p. 315. — Lameere, Man. Fn. Belge II, 1900, p. 493.

malvae Hbst. Natursyst. Ins. Käf. VII, 1797, p. 138 (*Curculio*).

Biologie: Ratzeb. Ent. Beitr. 1834, p. 448; Forstins. I, 1837, p. 126, t. 5, f. 9. — Chapuis & Candèze, Cat. Larves Col. 1853, p. 215. — Bargagli, Bull. Soc. Ent. Ital. XVI, 1884, p. 216; XVIII, 1886, p. 375. — Judeich, Forstins. 1889, 2, I, p. 397. — Houard, Zoocécid. Eur. I, 1908, p. 38. — Kleine, Ent. Blätt. VI, 1910, p. 232, 285. — Reh in Sorauer, Handb. Pflanzenkrankh. III, 1906—13 (1912), p. 548.

ab. obscurella Pic, Echange XVIII, 1902, p. 80. — Jacq. du Val, Gen. Col. d'Eur. IV, 1854—68 (1854), t. 19, f. 89. — Kuhnt, Ill. Best.-Tab. Käf. Deutschl. 1913, p. 1006. — Reitt. Fn. Germ. V, 1916, p. 195. — Everts, Col. Neerland. III, 1922, p. 576.

Hypotagea Pasc.

- Pasc. Ann. Mag. Nat. Hist. (4) XVIII, 1876, p. 61. — Broun, Man. N. Zeal. Col. I, 1880, p. 456.
- dissona** Broun, Man. N. Zeal. Col. III—IV, 1886, p. 863. Neuseeland
- Lewisi** Broun, Trans. N. Zeal. Inst. XLV, 1913, p. 131. "
- rubida** Pasc. Ann. Mag. Nat. Hist. (4) XVIII, 1876, p. 61. — Broun, Man. N. Zeal. Col. I, 1880, p. 456. "
- testaceipennis** Broun, l. c. p. 456. "
- tibialis** Broun, Man. N. Zeal. Col. VI, 1893, p. 1376; Bull. N. Zeal. Inst. I, 1910—23 (1921), p. 567. "
- variegata** Broun, l. c. I, 1880, p. 456. "
- 6

Celetotelus Broun.

- Broun, Man. N. Zeal. Col. V—VII, 1893, p. 1374.
- fulvus** Broun, l. c. p. 1375. Neuseeland
- 1

Alloprocas Broun.

- Broun, Man. Zeal. Col. V—VII, 1893, p. 1373.
- muticus** Broun, Bull. N. Zeal. Inst. I, 1910—23 (1914), p. 229. Neuseeland
- niger** Broun, Man. N. Zeal. Col. V—VII, 1893, p. 1374. "
- rufus** Broun, l. c. p. 1374. "
- 3

Neomycta Pasc.

- Pasc. Ann. Mag. Nat. Hist. (4) XIX, 1877, p. 145. — Broun, Man. N. Zeal. Col. I, 1880, p. 457.
- pulicaris** Pasc. l. c. p. 145; l. c. p. 457. Neuseeland
- rubida** Broun, Man. N. Zeal. Col. I, 1880, p. 457. "
- seticeps** Broun, Bull. N. Zeal. Inst. I, 1910—23 (1914), p. 229. "
- 3

Simachus Broun.

- Broun, Man. N. Zeal. Col. III—IV, 1886, p. 963.
- cuneipennis** Broun, Bull. N. Zeal. Inst. I, 1910—23 (1914), p. 230. Neuseeland
- montanus** Broun, Man. N. Zeal. Col. III—IV, 1886, p. 963. "
- placens** Broun, Bull. N. Zeal. Inst. I, 7, 1921, p. 644. "
- 3

Chelonychus Dietz.

- Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 182, 256.
- longipes** Dietz, l. c. p. 256; t. 7, f. 30. Californien,
Minnesota,
Colorado
- 1

Dietzia Champ.

- Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 193.
- bifasciata** Champ. l. c. p. 194, t. 11, f. 12, 12 a—b. Panama
- 1

Anthonomopsis Dietz.

- Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 182, 247. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 275, 286.
- mixtus** J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 196, 206 (*Anthonomus*). — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 247 (*Anthonomopsis*). — Pierce, Bull. U. S. Nat. Mus. XXXIV, 1908, p. 181 (*Pseudanthonomus*). — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 286, fig. 79 e.
- Pennsylvania, Illinois, Texas, Missouri, Iowa, Indiana, Connecticut, Ohio

1

Magdalinops Dietz.

- Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 182, 183.
- vittipennis** Dietz, l. c. p. 184, t. 5, f. 1. Californien

1

Neomastix Dietz.

- Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 183, 254. — Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 199. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 275, 316.
- concolor** Champ. l. c. p. 199, t. 11, f. 19, 19 a—b. Guatemala
- setulosus** Champ. l. c. p. 199, t. 11, f. 20, 20a. Nicaragua
- solidaginis** Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 255, t. 7, f. 29. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 316, fig. 78 c. Pennsylvania, Massachusetts, N. Jersey, Virginia, Maryland, Florida
- punctatulus** Dietz, l. c. p. 255. — Fall, Trans. Amer. Ent. Soc. XXXIX, 1913, p. 59.

3

Nanops Dietz.

- Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 182, 256. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 275, 286.
- Schwarzi** Dietz, l. c. p. 257, t. 5, f. 31. — Blatchley & Leng, l. c. p. 286, fig. 78 k. Florida, N. Jersey

1

2. Tribus Bradybatini.**Bradybatus Germ.**

Germar, Ins. spec. nov. 1824, p. 305. — Schönh. Curc. disp. meth. 1826, p. 234; Gen. Spec. Curc. III, 1, 1836, p. 331; VII, 2, 1843, p. 393. — Redt. Fn. Austr. 1849, p. 40; ed. 2, 1858, p. CXXIII, 767; ed. 3, 1874, I, p. CXXXVI, II, p. 311. — Gerst. Stett. Ent. Zeit. XVI, 1855, p. 167. — Lacord. Gen. Col. VI, 1863, p. 577, 581. — Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 338, 459; Frelon II, 1892, p. 106, 116, 1893, p. 148, 158. — Bedel, Fn. Col. Bassin Seine VI, 1882—88 (1884), p. 128, (1887), p. 298. — Seidl. Fn. Balt. ed. 2, 1887—91 (1891), Gatt. p. 168, Arten p. 641; Fn. Transsylv. 1888—91 (1891); Gatt. p. 168, Arten p. 713. — Acloque, Fn. France, Col. 1896, p. 380, 385. — Reitt. Verh. Nat. Ver. Brünn LI, 1912 (1913) (Best.-Tab. 68), p. 74; Fn. Germ. V, 1916, p. 190, 194. — Kuhnt, Ill. Best.-Tab. Käf. Deutschl.

1913, p. 920, 1005. — Penecke, Wien. Ent. Zeit. XLIII, 1926, p. 1. — Hustache, Ann. Soc. Ent. Fr. C, 1931, p. 255, 271. — Porta, Fn. Col. Ital. V, 1932, p. 235, 238.

Subg. *Nothops* Mars. Abeille V, 1868, p. 266. — Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 466; (5) II, 1872, p. 418; Frelon II, 1892, p. 106. — Bedel, Fn. Col. Bassin Seine VI, 1882—1888 (1884), p. 128, (1887), p. 298. — Penecke, Wien. Ent. Zeit. XLIII, 1926, p. 1. — Hustache, Ann. Soc. Ent. Fr. C, 1931, p. 273.

Pseudomorphus Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 335, 456, 466; (5) II, 1872, p. 418.

Subg. *Bradybatus* s. str. Gerst. Stett. Ent. Zeit. XVI, 1855, p. 267. — Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 459. — Penecke, Wien. Ent. Zeit. XLIII, 1926, p. 2. — Hustache, Ann. Soc. Ent. Fr. C, 1931, p. 273.

Subg. *Nothops* Mars.

Delagrangei Desbr. Frelon IV, 1895, p. 82.

elongatulus Boh. in Schönh. Gen. Spec. Curc. VII, 2, 1843, p. 216 (*Anthonomus*). — Kirsch, Berl. Ent. Zeitschr. IX, 1865, p. 121. — Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 458 (*Bradybatus*). — Redt. Fn. Austr. ed. 3, 1874, II, p. 311. — Bedel, Fn. Col. Bassin Seine VI, 1882—1888 (1884), p. 131, (1887), p. 298. — Seidl. Fn. Balt. ed. 2, 1887—91 (1891), p. 641; Fn. Transsylv. 1888—91 (1891), p. 714. — Stierl. Fn. Col. Helvet. II, 1886—98 (1893), p. 334. — Everts, Col. Neerland. II, 1903, p. 644; III, 1922, p. 576. — Reitt. Fn. Germ. V, 1916, p. 194. — Penecke, Wien. Ent. Zeit. XLIII, 1926, p. 1. — Porta, Fn. Col. Ital. V, 1932, p. 238.

aceris Chev. Rev. Zool. 1866, p. 29. — Mars. Abeille VI, 1869, p. 155.

elongatus Seidl. Fn. Balt. 1872—75 (1875), p. 435.

fallax Gerst. Stett. Ent. Zeit. XXI, 1860, p. 397. — Desbr. Frelon II, 1892, p. 116, (1893), p. 148, 158.

Biologie: Kleine, Ent. Blätt. VI, 1910, p. 285.

ornatoides Reitt. Deutsche Ent. Zeitschr. 1898, p. 354.

Vaulogeri Bedel, Bull. Soc. Ent. Fr. 1905, p. 290.

Akbes

Mittel- und
Südeuropa

Beirut

Algerien

Subg. *Bradybatus* s. str.

Abeillei Desbr. Bull. Soc. Ent. Fr. 1888, p. CCV; Frelon II, 1892, p. 116, (1893), p. 148, 158.

carbonarius Reitt. Verh. Nat. Ver. Brünn XXII, 1883 (1884), p. 9; in Radde, Fn. Fl. Caspigebiet 1886, p. 230. — Desbr. Frelon II, 1892, p. 116, 1893, p. 151, 158. — Penecke, Wien. Ent. Zeit. XLIII, 1926, p. 1, nota 2. — Porta, Fn. Col. Ital. V, 1932, p. 238, nota 1.

ab. *apicalis* Pic, Bull. Soc. Hist. Nat. Autun 1902, p. 139. — Penecke, l. c. p. 1, nota 2.

Creutzeri Germar, Fn. Ins. Eur. VIII, 1824, nr. 18; Ins. spec. nov. 1824, p. 306. — Steven, Mus. Mosq. II, 1829, p. 97 (*Pissodes*). — Boh. in Schönh.

Cypern,
Syrien

Caucasus,
Caspigebiet,
Lenkoran

Oesterreich

Mittel- und
Südeuropa

Gen. Spec. Curc. III, 1, 1836, p. 332 (*Bradybatus*). — Cast. Hist. Nat. Ins. Col. II, 1840, p. 341. — Redt. Fn. Austr. 1849, p. 407; ed. 2, 1858, p. 767; ed. 3, 1874, II, p. 311. — Bach, Käferfn. II, 1852—54 (1854), p. 306. — Jacq. du Val, Gen. Col. d'Eur. IV, 1854—68 (1854), t. 19, f. 90. — Gerst. Stett. Ent. Zeit. XVI, 1855, p. 168. — Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 461. — Bedel, Fn. Col. Bassin Seine VI, 1882—88 (1884), p. 131. — Seidl. Fn. Transsylv. 1888—91 (1891), p. 714. — Desbr. Frelon II, 1892, p. 117. — Acloque, Fn. France, Col. 1896, p. 385. — Stierl. Fn. Col. Helvet. II, 1886—98 (1893), p. 334. — Jacobson, Käf. Russl. 1905—16, t. 50, f. 23. — Kuhnt, Ill. Best.-Tab. Käf. Deutschl. 1913, p. 1006. — Reitt. Fn. Germ. V, 1916, p. 194, t. 163, f. 44. — Everts, Col. Neerland. III, 1922, p. 576. — Penecke, Wien. Ent. Zeit. XLIII, 1926, p. 2, 3. — Hustache, Ann. Soc. Ent. Fr. C, 1931, p. 272, 273. — Porta, Fn. Col. Ital. V, 1932, p. 238.

Biologie: Bargagli, Bull. Soc. Ent. Ital. XVII, 1885, p. 26; XVIII, 1886, p. 397. — Kleine, Ent. Blätt. VI, 1910, p. 285.

inermis Penecke, Wien. Ent. Zeit. XLIII, 1926, p. 3, 5.

Albanien

Kellneri Bach, Käferfn. II, 1852—54 (1854), p. 306. — Gerst. Stett. Ent. Zeit. XVI, 1855, p. 170. — Redt. Fn. Austr. ed. 2, 1858, p. 767; ed. 3, 1874, II, p. 311. — Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 461, 464; Frelon II, 1892, p. 117, 1893, p. 151, 158. — Seidl. Fn. Balt. ed. 2, 1887—91 (1891), p. 641; Fn. Transsylv. 1888—1891 (1891), p. 714. — Stierl. Col. Helvet. II, 1886—98 (1893), p. 334. — Acloque, Fn. France, Col. 1896, p. 389. — Kuhnt, Ill. Best.-Tab. Käf. Deutschl. 1913, p. 1006. — Reitt. Fn. Germ. V, 1916, p. 195. — Everts, Col. Neerland. III, 1922, p. 576. — Penecke, Wien. Ent. Zeit. XLIII, 1926, p. 2, 4. — Neresch. & Wagn. Col. Centralbl. III, 1928—29 (1928), p. 58. — Hustache, Ann. Soc. Ent. Fr. C, 1931, p. 273, 274. — Porta, Fn. Col. Ital. V, 1932, p. 239.

Mittleuropa

Biologie: Bargagli, Bull. Soc. Ent. Ital. XVII, 1885, p. 27; XVIII, 1886, p. 397. — Kleine, Ent. Blätt. VI, 1910, p. 285.

ab. robustirostris Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 464; Frelon II, 1893, p. 158.

Mittleuropa

ab. rufipennis Reitt. Deutsche Ent. Zeitschr. 1898, p. 355. — Penecke, Wien. Ent. Zeit. XLIII, 1926, p. 4. — Hustache, Ann. Soc. Ent. Fr. C, 1931, p. 273, 274. — Porta, Fn. Col. Ital. V, 1932, p. 239.

Frankreich,
Oesterreich,
Caucasus,
Armenisches
Gebirge

nigripes Reitt. Deutsche Ent. Zeitschr. 1898, p. 355.

limbatus Roel. Ann. Soc. Ent. Belg. XVIII, 1875, p. 191.

Japan

- Sharpi** Tourn. Mittheil. Schweiz. Ent. Ges. IV, 1872—1877 (1873), p. 180. — Penecke, Wien. Ent. Zeit. XLIII, 1926, p. 3, nota 5. O. Sibirien
- subfasciatus** Gerst. Stett. Ent. Zeit. XVI, 1855, p. 169. — Redt. Fn. Austr. ed. 2, 1858, p. 769; ed. 3, 1874, II, p. 311. — Desbr. Ann. Soc. Ent. Fr. (4) VIII, 1868, p. 461, 463; Frelon II, 1892, p. 117, 1893, p. 149, 158. — Seidl. Fn. Transsylv. 1888—91 (1891), p. 714. — Stierl. Fn. Col. Helvet. II, 1886—98 (1893), p. 334. — Bedel, Fn. Col. Bassin Seine VI, 1882—88 (1884), p. 131, (1887), p. 298. — Acloque, Fn. France, Col. 1896, p. 385. — Everts, Col. Neerland. II, 1903, p. 644; III, 1922, p. 576. — Kuhnt, III. Best.-Tab. Käf. Deutschl. 1913, p. 1006. — Reitt. Fn. Germ. V, 1916, p. 195. — Penecke, Wien. Ent. Zeit. XLIII, 1926, p. 2, 4. — Hustache, Ann. Soc. Ent. Fr. C, 1931, p. 272, 274. — Porta, Fn. Col. Ital. V, 1932, p. 239. Mittel- und Südeuropa
- tomentosus** Desbr. Frelon II, 1892, p. 117, 1893, p. 150, 158. — Penecke, Wien. Ent. Zeit. XLIII, 1926, p. 3, 4. Mitteleuropa
- seriesetosus** Petri, Käf. Siebenbürg. 1912, p. 332.
- ab. duplicatus** Reitt. Deutsche Ent. Zeitschr. 1898, p. 356. S. Russland
- armiger** Broun, Ann. Mag. Nat. Hist. (6) XII, 1893, p. 296. N. Seeland

14

Botanebius Schönh.

- Schönh. Gen. Spec. Curc. III, 1, 1836, p. 358; VII, 2, 1843, p. 230. — Cast. Hist. Nat. Ins. Col. II, 1840, p. 341. — Lacord. Gen. Col. VI, 1863, p. 577, 579. — Suffr. Arch. Naturgesch. XXXVII, 1871, I, p. 125. — Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 147.
- Botanobius** Gemm. & Har. Cat. Col. VIII, 1871, p. 2498.
- gibbosus** Faust, Stett. Ent. Zeit. LIV, 1893, p. 325. — Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 148, t. 9, f. 5, 5 a—b. Brit. Honduras, Panama, Columbien, Venezuela
- tuberculatus** Gyll. in Schönh. Gen. Spec. Curc. III, 1, 1836, p. 359; VII, 2, 1843, p. 240. — Cast. Hist. Nat. Ins. Col. II, 1840, p. 341. — Lacord. Gen. Col. VI, 1863, p. 580. — Suffr. Arch. Naturgesch. XXXVII, 1871, I, p. 125. — Gundlach, Contrib. Ent. Cubana III, 1891, p. 284. Cuba
- Biologie: Suffrian, l. c. p. 125.

2

Cionistes Dietz.

- Dietz, Trans. Amer. Ent. Soc. XVIII, 1892, p. 182, 187. — Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 148.
- brevis** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 148, t. 9, f. 6, 6a. Guatemala
- insolens** Dietz, Trans. Amer. Ent. Soc. XVIII, 1892, p. 188, 272, t. 5, f. 4. Californien

2

Smicraulax Pierce.

- Pierce, Bull. U. S. Nat. Mus. XXXIV, 1908, p. 173.
tuberculatus Pierce, l. c. p. 174. Texas
 Parasiten: Pierce, Cushman & Hood, Bull.
 100 U. S. Dep. Agr. 1912, p. 76.

1

Demimaea Pasc.

- Pasc. Journ. Linn. Soc. Lond. X, 1870, p. 440. — Faust, Stett. Ent.
 Zeit. LIV, 1893, p. 146; Ann. Mus. Genova XXXIV, 1894, p. 224.
Lychnuchus Roel. Ann. Soc. Ent. Belg. XVII, 1874, p. 169.
 — Faust, Stett. Ent. Zeit. LIV, 1893, p. 146.
Bakeri Mshl. Philipp. Journ. Sc. XXX, 1926, p. 355. Malacca,
 Singapore,
 Penang
circulus Roel. Ann. Soc. Ent. Belg. XVII, 1874, p. 170 Japan
 (*Lychnuchus*).
fascicularis Roel. Ann. Soc. Ent. Belg. XXII, 1879,
 Compt. rend. p. LIV; XXIV, 1880, p. 19 "
 (*Lychnuchus*).
luctuosa Pasc. Journ. Linn. Soc. Lond. X, 1870, p. Birma
 441, t. 17, f. 3 a—c. — Faust, Ann. Mus. Ge-
 nova XXXIV, 1894, p. 224.
simillima Heller, Treubia VII, Suppl. 1929, p. 110. Buru
strumosa Heller, Abh. Zool. Mus. Dresden IX, 1900— Celebes
 1901, nr. 5 (1900), p. 36, 42.
tricolor Roel. Ann. Soc. Ent. Belg. XVII, 1874, p. 170 Japan
 (*Lychnuchus*).

7

o

Parendæopsis Hust.

- Hust. Echange XXXVI, 1920, nr. 400, hors texte p. 8; Bull. Acad.
 Malg. (n. s.) VII, 1924, p. 309.
Alluaudi Hust. Echange XXXVI, 1920, nr. 400, hors Madagascar
 texte p. 9; Bull. Acad. Malg. (n. s.) VII,
 1924, p. 311.
 a **niveipictus** Hust. l. c. p. 8; l. c. p. 310. "
rubricatus Hust. l. c. p. 8; l. c. p. 310. "

3

Thamnobius Schönh.

- Schönh. Gen. Spec. Curc. III, 1, 1836, p. 465; VII, 2, 1843, p. 349. —
 Lacord. Gen. Col. VI, 1863, p. 577, 582.
Dregei Fähr. in Schönh. Gen. Spec. Curc. VII, 2, 1843, Kapkolonie
 p. 349.
Ekloni Boh. in Schönh. Gen. Spec. Curc. III, 1, 1836, Kaffernland
 p. 466; VII, 2, 1843, p. 350.
Thoreyi Boh. l. c. VII, 2, 1843, p. 350. "
Zeyheri Boh. l. c. III, 1, 1836, p. 467; VII, 2, 1843, p. "
 350.

4

Ontocteterus Faust.

Faust, Stett. Ent. Zeit. LVI, 1895, p. 11.

- scutellaris** Faust, Stett. Ent. Zeit. LVI, 1895, p. 11. Luzon

1

Parimera Faust.

- Faust, Stett. Ent. Zeit. LVII, 1896, p. 146. — Heller, Philipp. Journ. Sc. D X, 1915, p. 226.
- negrito** Heller, Philipp. Journ. Sc. D X, 1915, p. 225, Luzon
226.
- var. *variabilis* Heller, l. c. p. 226.
- obscura** Faust, Stett. Ent. Zeit. LVII, 1896, p. 148, Philippinen
nota 1. — Heller, l. c. p. 226.
- signata** Faust, l. c. p. 147. — Heller, l. c. p. 226. Luzon
- subarmata** Heller, Zool. Mededeel. VIII, 1925, p. 226. Sumatra
- trivittata** Heller, Philipp. Journ. Sc. D X, 1915, p. 225, Luzon
227.
- uniformis** Faust, Stett. Ent. Zeit. LVII, 1896, p. 148. Tenimber
— Heller, l. c. p. 227.
- vittata** Faust, l. c. p. 148. — Heller, l. c. p. 226. Sukabumi,
Timor
- vitticollis** Heller, Abh. Mus. Dresden 1900—01, 5, p. Celebes
35, t. 4, f. 14; Philipp. Journ. Sc. D X, 1915,
p. 227.

8

Minyrus Schönh.

- Schönh. Gen. Spec. Curc. III, 1, 1836, p. 326; VII, 2, 1843, p. 192. —
Cast. Hist. Nat. Ins. Col. II, 1840, p. 340. — Blanch. Hist. Nat. Ins.
II, 1845, p. 108. — Lacord. Gen. Col. VI, 1863, p. 577, 583.
- albopilosus** Matsum. Journ. Coll. Sapporo IV, 1911, Sachalin
p. 132.
- exaratus** Schönh. Gen. Spec. Curc. III, 1, 1836, p. 327; Manila
VII, 2, 1843, p. 192. — Cast. Hist. Nat. Ins.
Col. II, 1840, p. 340. — Lacord. Gen. Col. VI,
1863, p. 583.
- hirtus** Fähr. Oefv. Vet.-Akad. Förh. XXVIII, 1871, p. Kaffernland
247.
- japonicus** Roel. Ann. Soc. Ent. Belg. XVII, 1874, p. Japan
163.

4

Acalyptops Hartm.

- Hartm. Deutsche Ent. Zeitschr. 1904, p. 400.
- coerulescens** Hustache, Rev. Zool. Afr. XII, 1924, p. Belg. Congo
64.
- ornatus** Hartm. Deutsche Ent. Zeitschr. 1904, p. 401. Usambara
2

Oreoscotus Auriv.

- Auriv. in Sjöstedt, Kilimandjaro- und Meru-Exped. I, 1910, p. 421. —
Mshl. Ann. Mag. Nat. Hist. (10) VI, 1930, p. 574.
- fulvitaris** Hustache, Voy. Alluaud et Jeannel Afr. Brit. Ostafrika
or. Col. XIX, 1929, p. 465, t. 10, f. 5.
- laevis** Auriv. in Sjöstedt, Kilimandjaro- und Meru- Kilimandjaro
Exped. I, 1910, p. 422.
- minor** Auriv. l. c. p. 422. Kilimandjaro,
Meru
- serratus** Auriv. l. c. p. 422, fig. 6. Kilima-
ndjaro

4

Aubeus Desbr.

- Desbr. Ann. Soc. Ent. Fr. (5) II, 1872, p. 413.
Aubaeus Rye, Zool. Rec. Ins. 1872 (1873), p. 294. — Tourn.
 Mittheil. Schweiz. Ent. Ges. IV, 1872—76 (1873), p. 180.
Sphincticraerus Mars. Abeille XIV, 1876, p. 386. —
 Reitt. Verh. Nat. Ver. Brünn LI, 1912 (1913) (Best.-Tab. 68),
 p. 73; Fn. Germ. V, 1916, p. 190.
Sphinctocraerus Desbr. Frelon II, 1892—93, p. 106, 117,
 153, 158.
- Brulierei** Desbr. Ann. Soc. Ent. Fr. (5) II, 1872, p. 415; Palästina,
 Frelon II, 1892—93, p. 118, 153, 158 (*Sphinctocraerus*). Algerien
- constrictus* Mars. Abeille XIV, 1876, p. 386
 (*Sphincticraerus*). — Bedel, Ann. Soc. Ent.
 Fr. (6) VII, 1887, p. 202. — Desbr. Frelon II,
 1892—93, p. 117, 153, 158.
- Lethierryi* Desbr. Ann. Soc. Ent. Fr. (4)
 IX, 1869, p. 187 (*Anthonomus*); (5) II, 1872,
 p. 414 (*Aubeus*). — Bedel & Bourgeois, Bull.
 Soc. Ent. 1883, p. LII. — Bedel, Ann. Soc.
 Ent. Fr. (5) VII, 1887, p. 202 (*Sphinctocrae-*
rus).
- Biologie: Bedel & Bougeois, Bull. Soc. Ent.
 Fr. 1883, p. LII.
- strangulatus** Tourn. Mittheil. Schweiz. Ent. Ges. IV, Aegypten
 1872—76 (1873), p. 180. — Desbr. Frelon II,
 1892—93, p. 154, 158 (*Sphinctocraerus*).

2

Apopnictus Mshl.

Mshl. Stylops I, 1932, p. 4.

- longisetis** Mshl. l. c. p. 6. Orange-
 Freistaat
- zizyphi** Mshl. l. c. p. 5, fig. 3. Transvaal

2

Sphinxis Roel.

Roel. Ann. Soc. Ent. Belg. XVIII, 1875, p. 190.

- pubescens** Roel l. c. p. 190, t. 3, f. 14. Japan

1

Latiphronus Schönh.Schönh. Gen. Spec. Curc. VII, 2, 1843, p. 192. — Lacord. Gen. Col.
 VI, 1863, p. 578, 584.

- Adeloides* Blanch. Hist. Nat. Ins. II, 1845, p. 108.
Adelus Schönh. (nec Latr. 1796) Gen. Spec. Curc. III, 1,
 1836, p. 328. — Cast. Hist. Nat. Ins. Col. II, 1840, p. 340.

- cupreus** Gyll. in Schönh. Gen. Spec. Curc. III, 1, 1836, Java
 p. 329 (*Adelus*); VII, 2, 1843, p. 192 (*Latiphronus*). — Cast. Hist. Nat. Ins. Col. II,
 1840, p. 340 (*Adelus*). — Lacord. Gen. Col.
 VI, 1863, p. 585.

1

Phacellopterus Schönh.

Schönh. Mant. sec. Curc. 1847, p. 466. — Lacord. Gen. Col. VI, 1863, p. 578, 584.

rufulus (Schönh.) Lacord. Gen. Col. VI, 1863, p. 584. Kaffernland
— Fähr. Oefv. Vet.-Akad. Förh. XXVIII, 1871, p. 247. — Heller, Ent. Blätt. XXVI, 1930, p. 6.

1

Bradybibastes Heller.

Heller, Denkschr. Akad. Wissensch. Wien, math.-nat. Kl. IIC, 1922, p. 195; Ent. Blätt. XXVI, 1930, p.

Marshalli Heller, Ent. Blätt. XXVI, 1930, p. 7. S. Afrika

variabilis Heller, Denkschr. Akad. Wissensch. Wien, math.-nat. Kl. IIC, 1922, p. 195; Ent. Blätt. XXVI, 1930, p. 6, 7. Kordofan

2

Cnemopachus Schönh.

Schönh. Gen. Spec. Curc. VII, 2, 1843, p. 296. — Lacord. Gen. Col. VI, 1863, p. 577, 579. — Hustache, Bull. Acad. Malgache (n. s.) VII, 1924, p. 301.

castaneus Fähr. in Schönh. Gen. Spec. Curc. VII, 2, 1843, p. 297. — Lacord. Gen. Col. VI, 1863, p. 579. — Hustache, Bull. Acad. Malgache (n. s.) VII, 1924, p. 302. Madagascar

1

Achia Champ.

Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 149.

adusta Champ. l. c. p. 150, t. 9, f. 8. Mexico

discifera Champ. l. c. p. 150, t. 9, f. 9. Panama

rhombifera Champ. l. c. p. 149, t. 9, f. 7, 7a. Mexico

3

Cionopsis Champ.

Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 150.

palliatus Champ. l. c. p. 151, t. 9, f. 10, 10a. Guatemala

1

Listrorrhynchus Champ.

Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 193.

subulatus Champ. l. c. p. 193, t. 11, 11 a—b. Panama

1

Teridates Champ.

Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 202.

confusus Champ. l. c. p. 203, t. 11, f. 25 (hier *Terambus*). Panama

seriatus Champ. l. c. p. 202, t. 11, f. 24 (hier *Terambus*). Brasilien

1

Pseudanthonomus Dietz.

- Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 183, 248. — Angell, Journ. N. York Ent. Soc. I, 1893, p. 14. — Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 194. — Blatchley & Leng, Rhynchoph. N. East Amer. 1916, p. 275, 317. — Hustache, Fn. Colon. franç. III, 1929, p. 246, 263.
- apionoides** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 196. Costa Rica,
Panama
- bellus** Hust. Fn. Colon. franç. III, 1929, p. 264. Guadeloupe
- brunneus** Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 249, 253. N. Mexico
- canescens** Faust, Stett. Ent. Zeit. LIV, 1893, p. 335. Caracas
- carinulatus** Faust, l. c. p. 336. Venezuela
- crataegi** Walsh, Proc. Ent. Soc. Philad. VI, 1866—67 (1866), p. 260 (*Anthonomus*). — J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 196, 205. — Hamilton, Canad. Ent. XVII, 1885, p. 106. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 249 (*Pseudanthonomus*). — Pierce, Bull. U. S. Nat. Mus. XXXIV, 1908, p. 180. — Blatchley & Leng, Rhynchoph. N. East Amer. 1916, p. 317, 318, fig. 86. Ver. Staaten
Nordamerika,
Canada
- Biologie: Walsh, Proc. Ent. Soc. Philad. VI, 1866—67 (1866), p. 260; Canad. Ent. I, 1869, p. 80. — Riley, Amer. Ent. and Bot. II, 1870, p. 30. — Packard, Guide study Ins. ed. 2, 1870, p. 487. — Brooks, Rep. W. Virginia Exp. Stat. 1909—10, p. 142; Bull. 126 id. 1910, p. 117. — Pierce, Journ. Econ. Ent. III, 1910, p. 357. — Slingerland & Crosby, Man. Fruit Ins. 1914, p. 38, fig. 40.
- cretaceus** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 198, t. 11, f. 17, 17 a. Mexico
- crinitus** Champ. l. c. IV, 7, 1910, p. 189, t. 9, f. 10. S. Salvador
- curvicrus** Champ. l. c. IV, 4, 1903, p. 195, t. 11, f. 14, 14 a—b. Panama
- facetus** Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 249, 252. Nebraska,
Iowa
- griseipilis** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 197. Guatemala
- guttatus** Champ. l. c. p. 194, t. 11, f. 13, 13 a—b. Panama
- hamamelidis** Pierce, Bull. U. S. Nat. Mus. XXXIV, 1908, p. 180. — Blatchley & Leng, Rhynchoph. N. East Amer. 1916, p. 317, 319. Virginia,
Texas,
New York
- hispidus** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 198, t. 11, f. 18, 18a. Guatemala
- incipiens** Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 249, 250. — Blatchley & Leng, Rhynchoph. N. East Amer. 1916, p. 317, 319, fig. 78 j. Canada,
Pennsylvania,
nien, District
Columbia,
N. York,
Michigan
- indignus** Faust, Stett. Ent. Zeit. LIV, 1893, p. 335. Caracas
- krameriae** Pierce, Bull. U. S. Nat. Mus. XXXIV, 1908, p. 181. Texas
- lituratus** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 196, t. 11, f. 15, 15a. Mexico

- longulus** Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 249, 252. — Blatchley & Leng, Rhynchoph. N. East Amer. 1916, p. 317, 320. District Columbia, N. Carolina
Panama
- meridionalis** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 197. Mexico, Guatemala
- nubilosus** Champ. l. c. p. 197, t. 16, f. 16, 16a (hier *nubilus*). Illinois
- parvulus** Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 249, 253. — Blatchley & Leng, Rhynchoph. N. East Amer. 1916, p. 317, 321. Biologie: Blatchley, Journ. N. York Ent. Soc. XXX, 1922, p. 105.
- puncticollis** Blatchley in Blatchley & Leng, Rhynchoph. N. East Amer. 1916, p. 317, 319. Indiana
- pusillus** Hust. Fn. Colon. franç. III, 1929, p. 266. Guadeloupe
- relictus** Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 249, 254. — Blatchley & Leng, Rhynchoph. N. East Amer. 1916, p. 317, 321. Pennsylvanien
- rufotestaceus** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 196. Guatemala
- rufulus** Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 249, 252. — Blatchley & Leng, Rhynchoph. N. East Amer. 1916, p. 317, 320. District Columbia, N. Jersey
- seriatus** Hust. Fn. Colon. franç. III, 1929, p. 265. Guadeloupe
- seriesetosus** Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 249, 251. — Blatchley & Leng, Rhynchoph. N. East Amer. 1916, p. 317, 320. Michigan, Nebraska
- sylvaticus** Hust. Fn. Colon. franç. III, 1929, p. 264. Guadeloupe
- tomentosulus** Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 249, 251. Texas
- tomentosus** Faust, Stett. Ent. Zeit. LIV, 1893, p. 336. Caracas
- validus** Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 249, 250. — Blatchley & Leng, Rhynchoph. N. East Amer. 1916, p. 317, 318. — Essig, Ins. Western N. Amer. 1929, p. 502. Canada, N. Jersey, Nebraska, Colorado, Montana, N. Mexico
- Biologie: Cooley, Journ. Econ. Ent. VII, 1914, p. 193. — Wood, Bull. 244 Maine Exp. Stat. 1915, p. 270, fig. — Essig, Ins. Western N. Amer. 1929, p. 502.

Macrorhoptus J. Lec.

- J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 193, 208. — J. Lec. & Horn, Classif. Col. N. Amer. ed. 2, 1883, p. 481. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 182, 184. — Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 200. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 275, 284. Texas, Kansas, Illinois, N. Mexico, Californien
- estriatus** J. Lec. Proc. Amer. Philos. Soc. XV, 1876, p. 209. — Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 185, t. 5, f. 2. — Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 200. — Blatchley & Leng, Rhynchoph. N. E. Amer. 1916, p. 284, fig. 78 h.
- Biologie: Beutenmüller, Journ. N. York Ent. Soc. I, 1893, p. 81. — Pierce, Ent. News XVIII, 1907, p. 361. — Mitchell & Pierce, Proc. Ent. Soc. Wash. XIII, 1911, p. 54.
- Parasiten: Pierce, Ent. News XVIII, 1907, p. 361.

- hispidus** Dietz, Trans. Amer. Ent. Soc. XVIII, 1891, p. 185. Arizona
- mexicanus** Champ. Biol. Centr.-Amer. Col. IV, 4, 1903, p. 200, t. 11, f. 21, 21 a—c. Mexico
- sphaeralciae** Pierce, Bull. U. S. Nat. Mus. XXXIV, 1908, p. 173. — Champ. Biol. Centr.-Amer. Col. IV, 1910, p. 190. Texas, Kansas, Illinois, N. Mexico, Californien,
- estriatus** Champ. (nec J. Lec.) l. c. IV, 4, 1906, p. 200. Mexico
- Parasiten: Pierce, Cushman & Hood, Bull. 100 U. S. Dep. Agr. 1912, p. 76.
- 4

Amblycnemus Mshl.

- Mshl. Ins. Samoa, Col. IV, 5, 1931, p. 265.
- Stevensoni** Mshl. l. c. p. 266, fig. Samoa
- 1

Bathyorygma Mshl.

- Mshl. Philipp. Journ. Sc. XXX, 1926, p. 345.
- rectirostre** Mshl. l. c. p. 346. Java
- Biologie: Mshl. l. c. p. 346.
- 1

Pseudocionus Mshl.

- Mshl. Ann. Natal Mus. V, 1926, p. 277.
- multiguttatus** Mshl. l. c. p. 279, t. 15, f. 5, 5a. Natal
- 1

Cionesthes Fairm.

- Fairm. Ann. Soc. Ent. Belg. XLVI, 1902, p. 241.
- vestitus** Fairm. l. c. p. 241. Madagascar
- 1

Allocionus Hust.

- Hust. Echange XXXVI, 1920, nr. 400, hors texte p. 8; Bull. Acad. Malgache (n. s.) VII, 1924, p. 305.
- tuberosus** Fairm. Ann. Soc. Ent. Fr. LXXII, 1903, p. 249 (*Cionus*). — Hust. Echange XXXVI, 1920, nr. 400, hors texte p. 8; Bull. Acad. Malgache (n. s.) VII, 1924, p. 305. Madagascar
- 1

Semicardius Hust.

- Hustache, Echange XXXVI, 1920, p. 8 (s. descr.); Bull. Acad. Malg. (n. s.) VII, 1924, p. 302.
- minor** Hust. l. c. p. 8; l. c. p. 303. Madagascar
- rectirostris** Hust. l. c. p. 8; l. c. p. 302. "
- 2

Bradyninus Fairm.

Fairm. Ann. Soc. Ent. Belg. XLI, 1897, p. 180. — Hustache, Bull.
Acad. Malgache (n. s.) VII, 1924, p. 281.

albosetosulus Fairm. l. c. p. 181. — Hust. l. c. p. 281. Madagascar

1

Macrobrachonyx Pic.

Pic, Echange XVII, 1902, p. 81.

Gounellei Pic, l. c. p. 81.

Teneriffa

1

Omoides Boh.

Boh. Eugen. Resa, Col. 1859, p. 132.

humeralis Boh. l. c. p. 132, t. 2, f. 5 a—e.

Chile

1

 486

Index Anthonominarum.

Tribus, Genera, Subgenera.

- Acalyptops* Hartm. 69
Achia Champ. 71
Adeloides Blanch. 70
Adelus Schönh. 70
Allocionus Hust. 74
Alloprocas Broun 63
Amblycnemus Mshl. 74
Anthomorphus Weise 10, 13
Anthonomidius Reitt. 10, 13
Anthonomini 4
Anthonomochaeta Dietz 10, 54
Anthonomocyllus Dietz 10, 38
Anthonomopsis Dietz 64
Anthonomorphus Dietz 10, 39
Anthonomomorphus Sharp 10
Anthonomus Germ. 9
Anthonomus Dietz 10, 15, 39
Apopnictus Mshl. 70
Atractomerus Dup. & Chevr. 5
Aubaeus Rye 70
Aubeus Desbr. 70

Bathyorygma Mshl. 74
Botanebius Schönh. 67
Botanobius Gemm. & Har. 67
Brachyogmus Linell 5
Brachonyx Schönh. 61
Bradybatini 64
Bradybatus Germ. 64
Bradybatus s. str. 65
Bradybibastes Hell. 71
Bradyrinus Fairm. 75

Celetotelus Broun 63
Chelonychus Dietz 63
Cionesthes Fairm. 74
Cionistes Dietz 67
Cionopsis Champ. 71
Cnemocyllus J. Lec. 10, 53
Cnemopachus Schönh. 71
Coccotorus J. Lec. 10, 37

Demimaea Pasc. 68
Dietzia Champ. 63

Furcipes Desbr. 10, 11
Furcippus Desbr. 10

Homoeanthonomus Hust. 10
Hypotagea Pasc. 63

Latiphronus Schönh. 70
Leptarthrus Dietz 10, 38
Listrorrhynchus Champ. 71
Lonchophorus Chevr. 4
Loncophorus Chevr. 4
Lychnuchus Roel. 68

Macrobrachonyx Pic 75
Macrorhoptus J. Lec. 73
Magdalinops Dietz 64
Minyrus Schönh. 69

Nanops Dietz 64
Neomastix Dietz 64
Neonycta Pasc. 63
Nothops Mars. 65

Omogonus Chevr. 5
Omoides Boh. 75
Ontocteterus Faust 68
Oreoscotus Auriv. 69

Paranthonomus Dietz 10, 38
Parendaeopsis Hust. 68
Parimera Faust 69
Phacellopterus Schönh. 71
Pseudanthonomus Dietz 72
Pseudocionus Mshl. 74
Pseudomorphus Desbr. 65

Rhinolius Chevr. 5

Semicardius Hust. 74
Sexarthrus Blatchley 10, 52
Simachus Broun 63
Smicraulax Pierce 68
Sphincticraerus Mars. 70
Sphinctocraerus Desbr. 70
Sphinxis Roel. 70

Tachypterellus Fall & Cock. 6
Tachypterus Dietz 6
Teridates Champ. 71
Thamnobius Schönh. 68

Toplethus Bedel 9
Toplithus Gozis 9
Trichobaropsis Dietz 10, 39

Species, Varietates, Aberrationes.

abdominalis Champ. 55
Abeillei Desbr. (Anth.) 15
Abeillei Desbr. (Brad.) 65
aceris Chevr. 65
adusta Champ. 71
aeneolus Dietz 39, 55
aeneotinctus Champ. 54
aereus Champ. 55
aestuosus F. 57
affinis J. Lec. 53
alboannulatus Boh. 55
albolineatus Champ. 55
albopictus Champ. 55
albopilosus Dietz (Anth.) 39
albopilosus Matsum. (Min.) 69
alboscuteclatus Champ. 55
albosetosulus Fairm. 75
Alluaudi Hust. 68
alternans Champ. 55
amygdali Hust. 15
annulipes Champ. (Anth.) 55
annulipes Fisch. (Anth.) 55
anthracinus Boh. 55
apertus Fall 40
aphanostephi Pierce 53
apicalis Pic 65
apionoides Champ. 72
appositus Fall 40
argentatus Gyll. 55
aristus Suffr. 59
armicus Fairm. 37
armiger Brown 67
ater Marsh. 15
aterrimus Champ. 55
atomarius Blatchley 38
australis Blatchley (Anth.) 40
australis Boisd. (Anth.) 36
australis Philippi (Anth.) 56
avarius F. 19
avidus Faust 55

baccharidis Pierce 53
Bakeri Mshl. 68
baridioides Champ. 56
basalis Kirsch 56
basidens Fall 40, 56
Baudueri Desbr. 15
bavarus Schrank 19
bellus Hust. 72
bicorostris Blatchley 40
bidentatus Boh. 56

bifasciata Champ. 63
bifasciata Matsum. 16
bimaculatus Hust. 56
biplagiatus Fairm. (Anth.) 56
biplagiatus Redt. (Anth.) 56
bisignatus Gyll. (Anth.) 48
bisignatus Roel. (Anth.) 16
bisignifer Schklg. 16
bituberculatus Thoms. 16
Blatchleyi Schklg. 40
Bolteri Dietz 45
Bonvouloiri Desbr. 16
brevirostris Linell 52
brevis Champ. 67
brevispinus Pic 16
britannus Desbr. 29
Bruleriei Desbr. 70
brunneipennis Curtis 33
brunneus Dietz 72
brunnipennis Mannh. 40

caeruleus Champ. 56
caerulisquamis Champ. 56
callirrhoe Pierce 40
callosus Faust 56
calvescens Champ. 56
camerunensis Hust. 37
canaliculatus Champ. 56
canescens Champ. (Anth.) 56
canescens Faust (Pseud.) 72
canus J. Lec. 53
capensis Boh. 37
caracasius Faust 56
carbonarius Reitt. 65
carinulatus Faust 72
castaneus Fähr. 71
cerasi List 5
Chevrolati Desbr. (Anth.) 16
Chevrolati Gyll. (Lonch.) 4
chilensis Schklg. 56
ciliaticollis Champ. 56
cinctus Redt. (Anth.) 30
cinctus Thoms. (Anth.) 18
cinereus Champ. 56
circulus Roel. 68
clavatus Marsh. 32
coerulescens Hust. 69
comari Crotch 33
concinus Dietz 40
concolor Champ. 64
confusus Champ. 71

confusus Dietz 46
consimilis Dietz 40
consors Dietz 6
conspersus Desbr. 16
constrictus Mars. 70
contaminatus Boh. 56
convexifrons Hust. 56
corvulus J. Lec. 40
cossonoides Champ. 56
costipennis Fairm. 17
costulatus Suffr. 38, 56
crataegi Walsh 72
cretaceus Champ. 72
Creutzeri Germ. 65
crenatus Champ. 56
cribratellus Reitt. 17
crinitus Champ. 72
cristatus Champ. 56
cuneipennis Broun 63
cupreus Gyll. 70
curtulus Desbr. 17
curtus Faust 17
curvicrus Champ. 72
curvirostris Champ. 56
cyaneus Champ. 56
cyanicolor Gyll. 56
cyanipennis Champ. 56
cycliferus Fall 53
cylindricollis Blatchley 52
cyprius Mshl. 17

Daviesi Sweder. 4
dealbatus Champ. 56
debilis Blatchley 52
decipiens J. Lec. 52
Delagrangi Desbr. 65
dentipennis Chevr. 56
Dentoni Angell 40
Desbrochersi Faust 36
differens Hust. 57
dilutus Reitt. 13
discifera Champ. 71
discoidalis Tourn. 17
disjunctus J. Lec. 40
dissimilis Dietz 40
dissona Broun 63
distigma Champ. 56
distinguendus Desbr. 20
divisus Suffr. 59
Dregei Fähr. 68
dromedarius Chevr. 5
druparum L. (Anth.) 11
druparum var. Hbst. 36
Dufaui Hust. 57
duplicatus Reitt. 67

ebenus Dietz 40
ecuadorius Mshl. 4
effetus Dietz 40
Ekloni Boh. 68

elegans J. Lec. 38
elongatulus Boh. 65
elongatus J. Lec. (Anth.) 52
elongatus Seidl. (Brad.) 65
erythropterus Say 51
estriatus Champ. (Macr.) 74
estriatus J. Lec. (Macr.) 73
Eugenii Cano 54, 57
exaratus Schönh. 69

faber Dietz 40
facetus Dietz 72
Faillae Desbr. 17
fallax Gerst. 65
fasciatus Marsh. 19
fascicularis Roel. 68
femoratus Desbr. 13
ferugineus Hust. 37
figuratus Dietz 53
filicornis Hust. 57
filirostris Champ. 57
flavescens Boh. 57
flavicornis Boh. 40
flavirostris Champ. 57
flavomaculatus Voet 5
flavus Boh. 57
flexuosus Hust. 57
floralis Dietz 52
formosus Kirsch 57
fortis Champ. 4
fragariae auct.
fulvipes Champ. 57
fulvitaris Hust. 69
fulvus Broun (Cal.) 63
fulvus J. Lec. (Anth.) 39
funereus Champ. 57
furcatus Champ. 57
fuscomaculatus Champ. 57
fusiformis Champ. 4

gentilis Faust 13
gibbipennis Champ. 57
gibbosus Faust 67
gibbus Chevr. 5
gigas Boh. 57
Gounellei Pic 65
gracilipes Boh. 36
gracilipes Desbr. 33
grandis Boh. 41, 57
Grilati Desbr. 17
griseipilis Champ. 72
griseisquamis Champ. 57
Grouvellei Desbr. 17
guadelupensis Hust. 57
gularis J. Lec. 45
guttatus Champ. 72

haematopus Boh. 45
hamamelidis Pierce 72
Hamiltoni Dietz 38
helianthi Fall 53

- helopioides* Kolen. 17
helvolus Boh. 55
heterogenus Dietz 55
heterothecae Pierce 46
hicoriae Pierce 46
hirsutus Bruner 37
hirtus Fähr. (Min.) 69
hirtus J. Lec. (Anth.) 46
hispidus Champ. (Pseud.) 72
hispidus Dietz (Macr.) 74
homunculus Gyll. 57
humeralis Boh. (Om.) 75
hispidus Champ. (Pseud.) 72
humeralis Chevr. (Lonch.) 4
humeralis Kirsch (Anth.) 57
humeralis Panz. (Anth.) 17
humerosus Schklg. 57

inaequalis Champ. 57
incanus Champ. 57
incipiens Dietz 72
incurvus Panz. (Anth.) 17
incurvus Steph. (Anth.) 22
indigena Hbst. 62
indigenus Faust 72
inermis Blatchley (Anth.) 52
inermis Boh. (Anth.) 53
inermis Penecke (Brad.) 66
infirmus Gyll. 57
inornatus Dan. 31
insolens Dietz 67
instabilis Faust 57
interstitialis Desbr. 46
inversus Bed. 18
irroratus Dietz 38
isthmicus Champ. 57

jacobinus Dietz 53
japonicus Roel. 69
Javeti Desbr. 17
Julichi Dietz 38
juncturus Fall 53
juniperinus Sanb. 46

Kellneri Bach 66
Kirschi Desbr. 18
Koenigi Pic 19
krameriae Pierce 72
Krugi Fischer 58

laevis Auriv. 69
languidus Gyll. 34
laticus Pic 19
latiusculus Dietz 53
leptopus Gozis 33
Lethierryi Desbr. (Anth.) 19
Lethierryi Desbr. (Aub.) 70
leucostictus Dietz 38
Lewisi Broun 63
libertinus Faust 58
ligatus Dietz 53

likensis Blatchley 46
limbatus Roel. 66
limatulus Dietz 53
litturatus Champ. 72
longipes Dietz 63
longisetis Mshl. 70
longulus Boh. (Anth.) 58
longulus Dietz (Pseud.) 73
luctuosa Pasc. 68
luteus Suffr. 58

macromalus Gyll. 58
magnus List 6
malvae Hbst. 62
managuensis Champ. 58
marmoratus Champ. 58
Marshalli Heller 71
melancholicus Dietz 46
melanocephalus F. (Anth.) 14
melanocephalus Ol. (Aeth.) 19
melanopterus Marsh. 32
melanostictus Champ. 58
meridionalis Champ. 73
messanensis Vitale 15
mexicanus Boh. (Anth.) 55, 58
mexicanus Champ. (Macr.) 74
miaeophonus Pierce 46
mimicanus Fall 46
minor Auriv. (Oreosc.) 69
minor Hust. (Sem.) 74
mirus Kirsch 58
mixtus J. Lec. 64
modicellus Gyll. 58
moleculus Casey 52
molochinus Dietz 46
monostigma Champ. 58
montanus Broun 63
morbillosus Suffr. 58
morosus Faust 13
morulus J. Lec. 46
multifasciatus Pic 19
multiguttatus Mshl. 74
murinus Dietz 46
musculus Say 46
muticus Broun 63

nanus Gyll. (Anth.) 58
nanus J. Lec. (Anth.) 53
nebulosus J. Lec. 47
negrito Heller 69
niger Broun 63
nigrinus Boh. 47
nigripes Reitt. 66
nigrirostris Chevr. 5
ngirocalcaratus Dup. et Chevr. 5
nigrocapitatus Latr. 14
nigromaculatus Champ. (Anth.) 58
nigromaculatus Voet (Lonch.) 5
nigropictus Champ. 58

nigrovariegatus Fisch. 58
nitidirostris Desbr. 34
nitidus Champ. 4
niveipictus Hust. 68
nodifer Champ. 58
nodulosus Mshl. 8
nubiloides Fall 52
nubilosus Champ. 73
nubilus J. Lec. 52

obesior Desbr. 14
obesulus Fall 47
obliquus Chevr. 4
obscura Faust 69
obscuraella Pic 62
obscurus Steph. 32
obtrusus Fall 47
ochreopilosus Dietz 47
ocularis Champ. 58
opacirostris Desbr. 34
orchestoides Dietz 48
orichalceus Champ. 58
ornatoides Reitt. 65
ornatulus Dietz 54
ornatus Blanch. (Anth.) 58
ornatus Hartm. (Acal.) 69
ornatus Linell (Brach.) 5
ornatus Reiche (Anth.) 15
otidocephaloides Champ. 58
oxyacanthae Boh. 35

padi Puton 12
paleatus Champ. 58
palliatulus Champ. 71
pallidus Dietz 48
parasita F. 5
partiaris Boh. 58
parvidens Champ. 58
parvulus Blatchley (Anth.) 52
parvulus Dietz (Pseud.) 73
pauperculus J. Lec. 48
pauxillus Champ. 58
pedicularius L. (Anth.) 19
pedicularius Thoms. (Anth.) 35
peninsularis Dietz 39
perforator Hbst. 15
pervilis Dietz 39
petiminosus Germ. 4
phyllocola Hbst. 14
picipes Blatchley 52
pictus Blatchley 52
pineti Payk. 61
pitangae Mshl. 59
placens Broun 63
pomorum L. (Anth.) 21, 48
pomorum var. Gyll. (Anth.) 18
posthumus Suffr. 59
proboscideus Panz. 5
profundus J. Lec. 38
pruinus Champ. 59

pruni Desbr. 34
prunicida Walsh 37
pruniphilus Chitt. 37
pubescens Payk. (Anth.) 28
pubescens Roel. (Sphinxis) 70
pulchellus Suffr. 59
pulicaris Pasc. 63
pulicarius Boh. 59
pumilus Montrz. 36
punctatulus Dietz 64
puncticeps Champ. 59
puncticollis Blatchley 73
punctipennis Gyll. 59
pusillus (Pseud.) 73
pusillus J. Lec. (Anth.) 38
pusio Gyll. 59
pustulatus Champ. (Lonch.) 4
pustulatus Faust (Anth.) 59
pyrenaes Desbr. 15
pyri Kollar (Anth.) 29
pyri Redt. (Anth.) 22

quadrigibbus Say 6

rectirostre Mshl. 74
rectirostris Hust. (Sem.) 74
rectirostris L. (Anth.) 11
relictus Dietz 73
rhamphoides Suffr. 59
rhombifera Champ. 71
Roberti Wenck. 35
robustirostris Desbr. 66
robustulus J. Lec. 52
Rodriguezii Champ. 59
rosarum Dan. 31
Rosinae Gozis 18
rostrum Hbst. 33
rotundicollis Champ. 59
rubellus Desberger 35
rubellus Dietz 48
ruber Perris 36
rubi Hbst. 31
rubida Broun (Neom.) 63
rubida Pasc. (Hyp.) 63
rubidus J. Lec. 39
rubiginosus Champ. 59
rubricatus Hust. 68
rubricosus Boh. 59
rubricus Schklg. 48
rubripes Gyll. 13
rubromaculatus Desberger 22
ruficollis Champ. 59
rufipennis Gerh. (Anth.) 15
rufipennis J. Lec. (Anth.) 48
rufipennis Reitt. (Brad.) 66
rufipes J. Lec. 48
rufirostris Gyll. 59
rufotestaceus Champ. 73
rufulus Dietz (Pseud.) 73
rufulus Schönh. (Phac.) 71

- rufus Broun (All.) 63
 rufus Gyll. (Anth.) 34

 santacrucis Hust. 59
 scabricollis Champ. 59
 Schönherri Desbr. 19
 Schwarzi Dietz 64
 scutellaris Faust (Ont.) 68
 scutellaris J. Lec. (Anth.) 37
 scutellatus Gyll. 48
 seriatus Champ. (Ter.) 71
 seriatus Hust. (Pseud.) 73
 seriesetosus Dietz (Pseud.) 73
 seriesetosus Petri (Brad.) 67
 serratus Auriv. 69
 seticeps Broun 63
 setulosus Champ. 64
 sexguttatus Dietz 48
 sextuberculatus Champ. 59
 Sharpi Tourn. 67
 sibiricus Desbr. 34
 signata Faust 69
 signatipennis Blanch. 59
 signatus Say 48
 simillima Hell. 68
 simiolus Blatchley 50
 sobrinus Faust 59
 solani Fall 50
 Solarii Champ. 59
 soleatus Faust 59
 solidaginis Dietz 64
 sorbi Germar 35
 sparsus Boh. 59
 sphaeralciae Fall (Anth.) 54
 sphaeralciae Pierce (Macr.) 74
 spilotus Redt. 35
 spinipennis Hust. 59
 Spinolae Boh. 60
 squamans Champ. 60
 squamiger Champ. 60
 squamosus J. Lec. 50
 squamulatus Dietz (Anth.) 51
 squamulatus Hust. (Anth.) 60
 squamulosus Schklg. 60
 Stevensoni Mshl. 74
 Stierlini Desbr. 36
 stolatus Fall 54
 Strandii Stierl. 13
 strangulatus Faust (Anth.) 60
 strangulatus Tourn. (Aub.) 70
 strumosa Hell. 68
 stupulosus Champ. 60
 subarmata Hell. 69
 subchalybaeus Reitt. 36
 subfasciatus Gerst. (Brad.) 67
 subfasciatus J. Lec. (Anth.) 53
 subguttatus Dietz 51
 subparallelus Champ. 60
 subulatus Champ. 71
 subvittatus J. Lec. 54

 sulcatus Kirsch 60
 sulcifrons J. Lec. 51
 sulcipygus Champ. 60
 suturalis Gerh. (Anth.) 15
 suturalis J. Lec. (Anth.) 51, 60
 suturatus Schklg. 15
 suturellus Gyll. 60
 sycophanta Walsh 45
 sylvaticus Hust. 73

 tahoensis Fall 54
 tantillus Champ. 60
 teapensis Champ. 60
 tectus J. Lec. 51
 tenebrosus Boh. 60
 tenuirostris Champ. 60
 tenuis Fall 54
 terreus Gyll. 36
 tessellatus Geoffr. 12
 testaceipennis Broun 63
 testaceosquamosus Linell 51
 testaceus Boh. 60
 texanus Dietz 39, 60
 thoracicus Panz. 5
 Thoreyi Boh. 68
 thurberiae Pierce 44
 thyasocnemoides Hust. 60
 tibialis Broun 63
 tigrinus Suffr. 60
 tomentosulus Dietz 73
 tomentosus Desbr. (Brad.) 67
 tomentosus Faust (Pseud.) 73
 triangularis Champ. 60
 triangulifer Champ. 60
 tricolor Ol. (Anth.) 20
 tricolor Roel. (Dem.) 68
 tridens Fall 51
 trivittata Hell. 69
 tuberculatus Gyll. (Bot.) 67
 tuberculatus Pierce (Smicr.) 68
 tuberculosus Faust 60
 tuberosus Fairm. (All.) 74
 tuberosus Gyll. (Anth.) 60

 ulmi De Geer (Anth.) 20
 ulmi Desbr. (Anth.) 18
 undulatus Gyll. 36
 unguicularis J. Lec. 53
 unicolor Faust 13
 unicus Blatchley 51
 uniformis Blatchley (Anth.) 51
 uniformis Faust (Anth.) 36
 uniformis Faust (Parim.) 69
 unipustulatus Champ. 60
 uniseriatus Champ. 60
 univestis Schklg. 51

 validus Dietz 73
 variabilis Hell. (Brad.) 71
 variabilis Hell. (Parim.) 69

variabilis Phil. (Anth.) 60
varians Gmel. (Lonch.) 5
varians Payk. (Anth.) 13
variegata Broun 63
variegatus J. Lec. (Anth.) 48
variegatus Suffr. (Anth.) 60
varipes Jacq. du Val 51, 60
varius F. (Lonch.) 5
varius Zett. (Anth.) 14
Vaulogeri Bed. 65
venustus Champ. 61
veraepacis Champ. 61
verruciger Champ. 5
verrucosus Suffr. 61
vespertinus Dietz 52
vestitus Boh. (Anth.) 61
vestitus Fairm. (Cion.) 74
virgo Dietz 52

vittata Faust 69.
vitticollis Hell. 69
vittipennis Dietz 64
V-notataus Champ. 61
vulpinus Dietz 38

xanthocnemus Dietz 52
xanthopus Boh. 61
xanthoxyli Linell 38
xantus Blatchley 53

yucatanus Champ. 61

Zeyheri Boh. 68
zizyphi Mshl. 70
zonarius Kirsch 61
zunilensis Champ. 61
