

44. **Tetrastichus flavipes** n. sp.

♀.—Length .07 inch. Black, very elongate and slender; head much larger than thorax and greatly emarginate in front with vertex sharp, region around ocelli yellow testaceous; eyes brown; antennæ 6-jointed, brown, pubescent; thorax slender, elongated and not thick through, the collar is pointed, so that the head appears prominently separated; the scutellum has the usual two grooves, space between it and the mesoscutellum deeply depressed; abdomen ovate much broader than thorax and slightly flattened, hairy; legs long, slender, the posterior pair much longer than anterior pair, femora and middle of tibiæ black or brown, tibiæ and tarsi and base of fore-femora testaceous; wings hyaline, bordered with short ciliæ, veins testaceous, marginal vein slightly thickened, post-marginal wanting, stigmal short.

Described from three ♂ specimens bred from Cynipidous oak gall *Holcaspis ficigera* Ashm.

**OXYOMORPHA** Förster.45. **Oxyomorpha livida** n. sp.

♀.—Length .14 inch. Uniform dark blue, including legs, excepting the first three tarsal joints, which are pale or white, and the upper surface of the thorax which has a greenish metallic tinge; the antennæ are black and hairy; thorax punctate; abdomen is very long and slenderly pointed; wings hyaline, with pale yellowish veins, the marginal vein is long and thickened, the stigmal short, while the postmarginal vein is long.

Described from one ♀ specimen swept from bushes in a low swampy meadow.

This genus was founded by Dr. Förster in 1856. "Hymenopterologische Studien II Chalcidiæ und Proctotruperii p. 145," and this is the first species described in our fauna.

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**A Review of the species described by Olivier in the  
"Entomologie."**

BY GEORGE H. HORN, M. D.

In the following pages it is proposed to pass in review the species described by Olivier, whether originally by himself or by quotation from others, cited from our fauna. These species have been gone over so frequently in past years that it seems to have been assumed that nothing remained to be done. Really comparatively little new will be found in the following pages, but it is deemed sufficient to warrant the publication of the entire list.

The "Entomologie" consists of six large quarto volumes of text and two of plates, which bear date as follows: vol. i, 1789; vol. ii, 1790; vol. iii and iv, 1795; vol. v, 1807; vol. vi, 1808. In the first four volumes the different genera are treated as if distinct pamphlets,

each having its separate paging. The genera are numbered continuously throughout the work, and by a little manipulation are made to count an even hundred. The last two volumes have a continuous and continued paging. The entire work is one of the most troublesome from which to make a citation of any in the entire range of entomological literature.

In the following pages the volumes are treated separately. The number following the generic name is that used by Olivier, that following the species is the page subordinate to the generic number. In the vast majority of cases the Olivierian species merely require a change of generic name. In some instances the specific name is a synonym, and it will be observed, especially among the Chrysomelidæ, that we are at present using names of a more modern origin for many of the Olivierian species, in which case the name to be dropped is in *italics*. The number about which any doubt remains does not exceed ten, the entire number enumerated being a little more than three hundred.

## VOLUME I.

**Lucanus** (1)

*Elaphus Fab.*, 12.

*capreolus Linn.*, 15. = *L. (dama Fab.)*

**Scarabæus** (3)

*Tityus Linn.*, 9. = *Dynastes*.

*Antæus Fab.*, 24. = *Strategus*.

*Maimon Fab.*, 29. = *S. Antæus Fab.*

[1]

*Satyrus Fab.*, 39. = *Xyloryetes*.

*Lazarus Fab.*, 63. = *Bolboceras*.

*splendidus Fab.*, 67. = *Geotrupes*.

*Cephus Fab.*, 68. = *Bolboceras farctus Fab.*

*carolinus Linn.*, 134. = *Copris*.

*carnifex Linn.*, 135. = *Phanæus*.

*gibbosus Fab.*, 154. = *Deltachilum*.

*lævis Drury*, 161. = *Canthon hudsonias Forst.*

**Trox** (4)

*tuberculatus De Geer*, 9.

**Melolontha** (5)

*occidentalis Linn.*, 14. = *Polyphylla*.

*lanigera Linn.*, 21. = *Cotalpa*.

*punctata Linn.*, 22. = *Pelidnota*.

*fervida Fab.*, 24. = *Lachnosterna fusca Fröhl.*

*innuba Fab.*, 46. = *Anomala* (? *minuta Burm.*)

*variabilis Fab.*, 52. = *Serica holosericea Scop.*  
Europe.

*subspinosa Fab.*, 70. = *Macrodaetylus*

**Cetonia** (6)

*nitida Linn.*, 18. = *Allorhina*.

*tristis* † *Oliv.*, 22. = *Gymnetis marmorea Oliv.* [2]

*fulgida Fab.*, 33. = *Euphoria*.

*herbacea Oliv.*, 35. = *Euphoria*.

*inda Linn.*, 40. = *id.*

*lurida* † *Oliv.*, 43. = *E. sepulcralis Fab.*

*areata Fab.*, 48. = *Euphoria*.

*delta Fab.*, 64. = *Trichius*.

*canaliculata Oliv.*, 69. = *Valgus*.

*convexa Oliv.*, 72. = *Antichira*,  
Brazil.

[1]—This is the form of *Antæus* in which the thoracic processes are feebly developed.

[2]—This species occurs in the West Indies and South America. Our *G. Sallei* is closely related.

## VOLUME II.

- Necrophorus** (10)  
*americanus Oliv.*, 6.
- Silpha** (11)  
*americana Linn.*, 8.  
*marginalis Fab.*, 10. = *S. noveboracensis Forst.*  
*inæqualis Fab.*, 14.
- Nitidula** (12)  
*fasciata Oliv.*, 7 = *Ips.*  
*sanguinolenta Oliv.*, 8. = *Ips.*
- Trogossita** (19)  
*virescens Fab.*, 8.
- Telephorus** (26)  
*bimaculatus Fab.*, 11. = *Chauliognathus pennsylvanicus De Geer.*
- Lampyris** (28)  
*pennsylvanica De Geer*, 25. = *Photuris.*  
*pyralis Linn.*, 17. = *Photinus.*  
*corusca Linn.*, 19. = *Ellychnia.*  
*plumosa Oliv.*, 26. = *Phengodes.*  
*atra Oliv.*, 27. = *Lucidota.*
- Lycus** (29)  
*reticulatus Fab.*, 7. = *Calopteron.*
- Elater** (31)  
*fascicularis Fab.*, 8. = *Hemirhipis.*  
*oculatus Linn.*, 11. = *Alaus.*  
*luscus Fab.*, 12. = *id.* [1]  
*flavipes Fab.*, 30. [2]
- cruentus Oliv.*, 45. = *Adelocera discoidea Weber.*  
*pulchellus Linn.*, 51. = *Cryptohypnus.*
- Buprestis** (32)  
*striata Fab.*, 15.  
*rufipes Oliv.*, 16.  
*decora Fab.*, 18.  
*aurulenta Linn.*, 18.  
*lurida Fab.*, 20. = *Dicereal*  
*fasciata Fab.*, 21.  
*viridula Oliv.*, 27. = *Dicercomorpha Philippines.*  
*lineata Fab.*, 28.  
*femorata Oliv.*, 47. = *Chrysobothris.*  
*ornata Fab.*, 50. = *Acmaeodera.*  
*Andreae Oliv.*, 53. = *Julodis, Persia.*  
*meditabunda Fab.*, 74. = *Cisseis, S. America.*  
*ruficollis Fab.*, 78. = *Agrilus.*
- Cicindela** (33)  
*purpurea Oliv.*, 14.  
*tristis Fab.*, 15. = *Oxychila, Brazil.*  
*unipunctata Fab.*, 23.  
*sexguttata Fab.*, 26.  
*punctulata Fab.*, 27.  
*carolina Linn.*, 29. = *Tetracha.*  
*virginica Linn.*, 30. = *id.*

## VOLUME III.

- Carabus** (35)  
*tædatus Fab.*, 28.  
*calidus Fab.*, 30. = *Calosoma.*  
*scrutator Fab.*, 41. = *id.*  
*elevatus Fab.*, 46. = *Cychrus.*  
*unicolor Fab.*, 47. = large race of *elevatus Fab.*
- caliginosus Fab.*, 49. = *Harpalus.*  
*bicolor Fab.*, 57. = *H. pennsylvanicus De Geer.*  
*americanus Linn.*, 63. = *Galerita.*  
*pennsylvanicus † Oliv.*, 72 = *Harpalus erraticus Say.*  
*lineola Fab.*, 78. = *Agonoderus.*

[1]—*Alaus luscus Fab.*, is usually placed as a synonym of *oculatus*, but the description and figure clearly show that *myops Fab.*, is the same and the latter name really older.

[2]—This cannot be identified. As the name was preoccupied at the time it was given it should be dropped.

- bifasciatus *Oliv.*, 88. = Calophæna  
(Brazil.)  
pallipes *Fab.*, 89. = Agonoderus.  
vittatus *Fab.*, 97. = Lebia.
- Scarites** (36)  
subterraneus *Fab.*, 8.
- Gyrinus** (41)  
americanus *Linn.*, 12. = Dineutes  
(*assimilis* Kby.)
- Cantharis** (46)  
sinuata *Oliv.*, 9. = Pyrota.  
vittata *Fab.*, 13. = Epicauta.  
lineata *Oliv.*, 14. = Pyrota.  
atrata *Fab.*, 17. = Epicauta pennsylvanica *De Geer.*
- Pyrochroa** (53)  
flabellata *Fab.*, 5.
- Horia** (53 bis.)  
maculata *Swed.*, 4.
- Cistela** (54)  
femoralis *Oliv.*, 12. = Androchirus.
- Diaperis** (55)  
bicornis *Fab.*, 6. = Hoplocephala.
- Tenebrio** (57)  
lævis *Oliv.*, 10. = Merinus.  
saperdoides *Oliv.*, 11. = Xylopinus.  
planus *Oliv.*, 14. = Pytho (*americanus*  
Kby.)  
depressus || *Fab.*, 15. = Pytho (*americanus*  
Kby.)
- Helops** (58)  
vittatus *Oliv.*, 4. = H. micans *Fab.*
- Mordella** (64)  
octopunctata *Fab.*, 6.
- Rhipiphorus** (65)  
dimidiatus *Fab.*, 8.

## VOLUME IV.

- Prionus** (66)  
cylindricus *Fab.*, 23. = Orthosoma  
brunneum *Forst.*  
imbricornis *Linn.*, 28.
- Cerambix** (67)  
lynceus *Fab.*, 37. = Tragidion coquus  
*Linn.*  
garganicus *Fab.*, 39. = Chion cinctus  
*Drury.*  
rusticus *Fab.*, 41. = Chion cinctus  
*Drury.*  
bidens *Fab.*, 42. = Elaphidion (? mucronatum *Say.*)  
scalator *Fab.*, 67. = Plectrodera.  
nodosus *Fab.*, 75. = Acanthocinus.  
titillator *Fab.*, 85. = Monohammus.  
carolinensis *Oliv.*, 85. = M. titillator  
*Fab.*  
tornator *Fab.*, 103. = Tetraopes tetraophthalmus *Forst.*  
stigma *Oliv.*, 126. = Eburia.
- obsoletus *Oliv.*, 130. = Acanthocinus.
- Saperda** (68)  
lateralis *Fab.*, 17.  
plumbea *Oliv.*, 24. = Oberea ruficollis  
*Fab.*  
cinerea *Oliv.*, 28. = Hetoemis.  
tridentata *Oliv.*, 30.  
maculata *Oliv.*, 32. [1]  
bicolor *Oliv.*, 32. = Ancylocera.  
maculata *Oliv.*, 39. = duplicate description.
- Stenocorus** (69)  
lineatus *Oliv.*, 13. = Rhagium.  
undatus *Fab.*, 25. = Distenia.
- Callidium** (70)  
marylandicum *Fab.*, 6. = Romaleum  
atomarium *Drury.*  
bajulus *Linn.*, 7. = Hylotrupes.  
ligneum *Fab.*, 23. = Hylotrupes.  
dentipes *Oliv.*, 29. = Plectromerus.  
colonum *Fab.*, 31. = Xylotrechus.

[1]—May this not be *Callidium dentipes* described further on? The figure on 68, pl. iii, fig. 33, is certainly a better representation than on 70, pl. iv, fig. 40. The two insects were from the same locality and loaned to Olivier by the same person.

- fulminans *Fab.*, 32. = *Arhopalus*.  
 flexuosum *Fab.*, 34. = *Cyllene*  
   *robiniae Forst.*  
 rhombifer *Oliv.*, 46. = *Neoclytus an-*  
   *gulatus Fab.*  
 erythrocephalus *Fab.*, 48. = *Neoclytus*.  
 scutellare *Oliv.*, 51. = *Neoclytus*.  
 varium *Fab.*, 54. = *Phymatodes*.  
 picipes *Fab.*, 57. = *Euderces*.  
 notatum *Oliv.*, 61. = *Stenosphenus*.  
 decorum *Oliv.*, 63. = *Cyllene*.  
 villicus *Oliv.*, 64. = *Xylotrechus co-*  
   *lonus Fab.*  
 campestris *Oliv.*, = *Xylotrechus co-*  
   *lonus Fab.*  
 ruricola *Oliv.*, 65. = *Clytanthus*.  
 verrucosum *Oliv.*, 67. = *Cyrtophorus*.  
 pulverulentum *Oliv.*, 69. [2]  
 pini *Oliv.*, 71. = *Euderces*.
- Leptura (73)**  
 canadensis *Oliv.*, 6.  
 velutina *Oliv.*, = 18. = *Lypocerus*.  
 zebra *Oliv.*, 19. = *L. nitens Forst.*  
 luticornis *Fab.*, 20. = *Strangalia*.  
 acuminata *Oliv.*, 20. = id.  
 lateralis *Oliv.*, 22. = *Euryptera*.  
 cordifera *Oliv.*, 25.  
 vittata *Oliv.*, 30.  
 vagans *Oliv.*, 31.  
 arcuata *Oliv.*, 32. = *L. lunata Fab.*  
 circumdata *Oliv.*, 32.
- Necydalis (74)**  
 sanguinicollis *Oliv.*, 9. = *Callimoxys*.
- Cucujus (74 bis.)**  
 clavipes *Fab.*, 4.  
 rufus *Fab.*, 5. = *Catogenus*.
- Donacia (75)**  
 palmata *Oliv.*, 8.  
 cærulea *Oliv.*, 10. not identified.
- Clerus (76)**  
 sphegeus *Fab.*, 12.  
 ichneumoneus *Fab.*, 13.  
 rufus *Oliv.*, 14. = *C. ichneumoneus*  
   *Fab.*  
 thoracicus *Oliv.*, 18.  
 quadriguttatus *Oliv.*, 18.
- Bostrichus (77)**  
 rugosus *Oliv.*, 18. = ? *Dinoderus* sp.?
- Scolytus (78)**  
 flavicornis *Fab.*, 4. = *Platypus*.  
 quadridentatus *Oliv.*, 5. = *Platypus*.  
 terebrans *Oliv.*, 6. = *Dendroctonus*.  
 frontalis *Oliv.*, 13. = *Phloeotribus*.
- Bruchus (79)**  
 robiniae *Fab.*, 7. = *Spermophagus*.  
 gleditsiae *Linn.*, 9. = *Caryoborus*  
   (? *arthriticus Fab.*)  
 coryphæ *Oliv.*, 16.  
 quadrimaculatus *Fab.*, 19.  
 hibisci *Oliv.*, 21.
- Macrocephalus (80)**  
 fasciatus *Oliv.*, 9. = *Eurymycter*.  
 marmoreus *Oliv.*, 12. = *Cratoparis*  
   *lunatus Fab.*  
 lugubris *Oliv.*, 13. = *Cratoparis*.  
 bimaculatus *Oliv.*, 14. = *Tropideres*.

## VOLUME V.

- Attelabus (81)**  
 bipustulatus *Fab.*, 10. = *Attelabus*.  
 ovatus *Fab.*, 11. = *Pterocolus*.
- Rhynchites (81)**  
 bicolor *Fab.*, 23.  
 hirtus *Fab.*, 26.  
 nigripennis *Fab.*, 27. = *Eugnamptus*  
   *angustatus Hbst.*
- collaris Fab.*, 28. = *Eugnamptus*.
- Calandra (83)**  
 cruentata *Fab.*, 82. = *Rhynchopho-*  
   *rus*.  
 fasciata *Fab.*, 83. = *Sphenophorus*  
   (not from U. S.)  
 cribraria *Fab.*, 88. = *Rhodobænus*  
   13-punctatus *Illig.*

[2]—Probably a small species of *Elaphidion*, but as far as I know not identified.

- pertinax Oliv.*, 90. = *Sphenophorus*.  
*cariosa Oliv.*, 91. = idem.  
*callosa Oliv.*, 92. = idem.  
*melanocephala Fab.*, 93. = idem.  
*necydaloides Fab.*, 94. = idem.
- Rhynchænus** (83)  
*striatus Fab.*, 114. = *Hylobius pales*  
*Hbst.*  
*pini Oliv.*, 116. [1]  
*vulpeculus Fab.*, 129. = *Mononychus*.  
*apiatus Oliv.*, 171. = *Hilipus*  
 (? *squamosus Lec.*)  
*argula Fab.*, 192. = *Conotrachelus*  
*nenuphar Hbst.*  
*proboscideus Fab.*, 217. = *Balaninus*  
 (*caryatrypes Boh.*)
- Rhina** (83)  
*plagiata Fab.*, 234. = *Læmosaccus*.
- Lixus** (83)  
*gravidus Oliv.*, 275. [2]
- Curculio** (83)  
*opalus Oliv.*, 339. = *Pachnæus*.  
*punctatulus Fab.*, 402. = *Ithycerus*  
*noveboracensis Forst.*
- Brentus** (84)  
*maxillosus Oliv.*, 443. = *Eupsalis*  
*minuta Drury.*
- Languria** (88)  
*bicolor Fab.*, 463.  
*thoracica Oliv.*, 463. = *L. bicolor Fab.*  
*Mozardi Latr.*, 464.
- Eryotylus** (89)  
*quadripunctatus Oliv.*, 484. = *Ischy-*  
*rus.*
- Chrysamela** (91)  
*trimaculata † Fab.*, 515. = *Doryphora*  
*clevicollis*  
*Kby.*  
*philadelphica Linn.*, 525.  
*stolida Fab.*, 526. = *Blepharida rhois*  
*Forst.*  
*pulchra Fab.*, 526. = *C. suturalis Fab.*  
*exclamationis Fab.*, 530.  
*meticulosa Oliv.*, 531. = *Blepharida*  
*rhois Forst.*  
*elegans Oliv.*, 533.  
*interrupta Fab.*, 538. = *Lina lap-*  
*ponica Linn.*  
*scripta Fab.*, 559. = *Lina.*
- Helodes** (91 bis)  
*vittata Oliv.*, 595. = *Prasocuris*  
 (*varipes Cr.*) [3]

## VOLUME VI.

- Galeruca** (93)  
*duodecim-punctata Fab.*, 628. = *Dia-*  
*brotica.*
- baccharidis Weber.*, 629. = *Trirhabda*  
*tomentosa Linn.*

[1]—This is the European *Pissodes notatus* Fab. It is probable that Olivier mixed one of our species with it.

[2]—Probably a *Lixus*, but cannot be identified. It is placed in *Larinus* in the "Catalogus," and, if correctly, certainly not North American.

[3]—*Prasocuris phellandrii* also occurs in our fauna, and *Helodes trivittata* Say, is a synonym.

- gelatinariæ *Fab.*, 631. = *Galeruca* [1]  
*xanthomelæna Schrank.*  
*vittata Fab.*, 633. = *Diabrotica.*  
*americana Fab.*, 636. = *Adimonia.*  
*notulata Fab.*, 636. = *Galeruca.*  
*notata Fab.*, 637. = *Galeruca.*  
*furcata Oliv.*, 643. [2]  
*dorsalis Oliv.*, 646. = *Phyllechthrus.*  
*caminea Fab.*, 656. = *Cerotoma tri-*  
*furcata Forst.*
- Altica** (93 bis)  
*petaurista Fab.*, 674. = *Oedionychis.*  
*thoracica Fab.*, 678. = *Oedionychis.*  
*abdominalis Oliv.*, 679. = *Oediony-*  
*chis vians Illig.*  
*concinua Fab.*, 679. = *Oedionychis*  
*var.*  
*caroliniana Fab.*, 684. = *Disonycha*  
*(punctigera Lec.)*  
*glabrata Fab.*, 685. = *Disonycha.*  
*miniata Fab.*, 685. = *Oedionychis.*
- conjugata Fab.*, 686. = *Disonycha*  
*pennsylvanica Ill. pale var.*  
*quercata Fab.*, 687. = *Oedionychis*  
*(limbalis Mels.)*  
*obsidiana Fab.*, 691. = *Oedionychis.*  
[3]  
*suturalis Fab.*, 692. = *Oedionychis.*  
[4]  
*elongata Fab.*, 694. = *Systema hud-*  
*sonias Forst.*  
*frontalis Fab.*, 694. = *Systema.*  
*tibialis Oliv.*, 697. = *Lactica (ocreata*  
*Say.)*  
*collata Fab.*, 702. = *Disonycha col-*  
*laris Fab. (mellicollis Say.)*  
• *iris Oliv.*, 702. = *Lactica (specularis*  
*Harold.)*  
*polita Oliv.*, 706. = *Graptodera* [5]  
*liturata Oliv.*, 707. = *Oedionychis*  
*quercata Fab.*  
[6]

[1]—The names *Galeruca* and *Adimonia* are used in the same sense as in the "Classification Col. N. A." In the "Catalogus" the former name is equal to *Galerucella* and the latter to *Galeruca*.

[2]—This species is quoted doubtfully from N. A. In the "Catalogus" it is placed as a synonym of *Cerotoma trifurcata Forst. (caminea Fab.)*, but this cannot possibly be true.

[3]—This is a variety of the one above with the sides of the thorax alone pale.

[4]—Is the variety entirely pale above with the suture ferruginous brown, wider at base.

[5]—*Graptodera polita Oliv.*, is an olive green species of the size and form of *foliaceae*. The elytra are scarcely visibly punctate, the thorax with feeble transverse impression. The antennæ and legs are rufo-testaceous, the hind femora piceous. I know but one other species in our fauna with pale legs, *G. fuscoænea Mels.* This is much smaller and more robust, the elytra very distinctly punctured.

[6]—This is the larger variety of *quercata* in which the elytral markings are broken into vittæ.

- rugosa Oliv.*, 707. = *Hypolampsis pilosa Illig.*  
*copalina Fab.*, 720. = *Orthaltica.*  
*bipustulata Fab.*, 723. = *Phyllotreta.*  
**Crioceris** (94)  
*sexpunctata Oliv.*, 738. = *Lema.*  
*trilineata Oliv.*, 739. = *Lema.*  
*cornuta Fab.*, 741. *Lema.*  
*solani Fab.*, 742. = *Lema.*  
**Hispa** (95)  
*scapularis Oliv.*, 766. = *Odontota.*  
*vittata Fab.*, 770. = *Microrhopala.*  
*scutellaris Oliv.*, 771. = *Odontota dorsalis Thunb.*  
*notata Oliv.*, 774. = *Odontota.*  
*bicolor Oliv.*, 774. = *Odontota.*  
*quadrata Fab.*, 774. = *Odontota rubra Weber.*  
*excavata Oliv.*, 775. = *Microrhopala.*  
*plicatula Fab.*, 776. = *Octotoma.*  
*suturalis Fab.*, 777. = *Odontota nervosa Panz.*  
*metallica Fab.*, 777. = *Stenispia.*  
*nigrita Oliv.*, 778. = *Charistena.*  
**Cryptocephalus** (96)  
*equestris Oliv.*, 804. = *Griburius.*  
*scutellaris Fab.*, 807. = *Griburius.*  
*viduatus Fab.*, 808. = *Pachybrachys.*  
*litratus Fab.*, 808. = *Bassareus.*  
*femoratus Oliv.*, 810. = *Pachybrachys.*  
*venustus Fab.*, 812.  
*detritus Oliv.*, 814. = *Bassareus.*  
*incertus Oliv.*, 814.  
*guttulatus Oliv.*, 815.  
*notatus Fab.*, 817. = *Cryptocephalus (quadrifasciatus Say.)*  
*pubescens || Fab.*, 820. = *Pachybrachys morosus Hald.*  
*trivittatus Oliv.*, 824.  
*saponatus Fab.*, 834. = *Monachus.*  
*nanus Fab.*, 837.  
**Clytra** (96)  
*obsita Fab.*, 859. = *Anomœa lativittata Forst.*  
*dominicana Fab.*, 864. = *Coscinoptera.*  
*quadriguttata Oliv.*, 869. = *Babia.*  
*humeralis Fab.*, 870. = *Saxinis (omogera Lac.) [7]*  
**Chlamys** (96)  
*plicata Fab.*, 876.  
*gibbera Fab.*, 876. = *Exema.*  
**Colaspis** (96)  
*picipes Oliv.*, 886. = *Rhabdopterus (prætexta Say.) [8]*  
*viridis Fab.*, 886. = *Tymnes tricolor Fab.*  
*chrysis Oliv.*, 886. = *Tymnes [9]*  
*tristis Oliv.*, 889. = *Nodonota [10]*

[7]—Lacordaire (Mon. ii, p. 430) is in error in referring a Mexican species to this name.

[8]—The genus *Rhabdopterus Lefev.*, is distinguished from *Colaspis* by the flat and rather broad prosternum. For a fuller account see "Catalogus Eumolpidarum, Mem. Liege xi, 1885."

[9]—To this species I refer some specimens sent me several years ago by Dr. John Hamilton, collected near Allegheny. It is smaller than *tricolor*, less closely punctured, the color usually deep cobalt blue varying through violet to bright cupreous. *Tymnes viridis Fab.* is a brilliant green variety of *tricolor* occurring in the Southern States.

[10]—*Nodonota Lefev.*, (*Noda* || Chap.) may be distinguished from *Colaspis* by the sides of the thorax entire, while in the latter genus they are subbidentate or undulate.



quercata <i>Fab.</i> , 891. = <i>Metachroma</i> .	<i>nigripes Oliv.</i> , 959.
brunnea <i>Oliv.</i> , 891. = <i>Colaspis suilla</i> <i>Fab.</i>	clavata <i>Fab.</i> , 963. = <i>Coptocycla</i> .
suilla <i>Fab.</i> , 892.	humeralis <i>Oliv.</i> , 964. = <i>Batonota</i> [14]
lurida <i>Oliv.</i> , 892. = <i>Metachroma</i> ( <i>vi-</i> <i>cina Crotch</i> )	<b>Coccinella</b> (98)
globosa <i>Oliv.</i> , 892. = <i>Chrysodina</i> . [11]	abbreviata <i>Fab.</i> , 1006. = <i>Hippodamia</i> <i>glacialis Fab.</i>
<b>Eumolpus</b> (96)	glacialis <i>Fab.</i> , 1007. = <i>Hippodamia</i> .
auratus <i>Fab.</i> , 903. = <i>Chrysochus</i> .	novemnotata <i>Herbst.</i> , 1012.
hirtus <i>Oliv.</i> , 906. = <i>Glyptoscelis pu-</i> <i>bescens Fab.</i>	borealis <i>Fab.</i> , 1021. = <i>Epilachna</i> .
aterrimus <i>Oliv.</i> , 913. = <i>Paria</i> .	quindecimpunctata <i>Oliv.</i> , 1027. = <i>Anatis</i> .
canella <i>Fab.</i> , 914. = <i>Paria</i> ( <i>sex-notata</i> <i>Say.</i> )	signata <i>Oliv.</i> , 1047. = <i>Hyperaspis</i> .
æneus <i>Oliv.</i> , 916. [12]	dentipes <i>Fab.</i> , 1051. = <i>Brachyacan-</i> <i>tha</i> .
<b>Cassida</b> (97)	bisquinquepustulata <i>Oliv.</i> , 1053. = <i>Brachyacantha ursina Fab.</i>
sinuata <i>Oliv.</i> , 949. = <i>Prioptera</i> [13]	ursina <i>Fab.</i> , 1054. = <i>Brachyacantha</i> .
guttata <i>Oliv.</i> , 955. = <i>Coptocycla</i> .	

[11]—*Colaspis ovata* Say, is a synonym of this.

[12]—This is placed by Lefèvre and the authors of the "Catalogus" as a synonym of *Diachus auratus* Fab.

[13]—Does not belong to our fauna; is from Manilla.

[14]—Occurs in Santo Domingo.

### Summary.

In glancing over the preceding list of species it will be observed that the vast majority had been previously described by Fabricius, Olivier himself coming next in order, while a few are cited from Linnæus, De Geer, Drury, Swederus and Herbst.

The greater number of specific names still remain valid, the only change necessary being the addition of the more modern generic name. In a few instances the names proposed by Olivier seem to have been lost sight of and the species have been renamed by later authors. In a few instances species foreign to our fauna have credited to it and on the other hand some of our natives have been located elsewhere. The result of the preparation of the above list is the reduction of the number of doubtful species very nearly to the lowest possible limit.

### Additional Notes.

While going over the Olivierian species my attention was directed to the species described by Say under the name *Colaspis* as follows :

*C. pretexta* Say, is *Rhabdopterus picipes* Oliv.

*C. ovata* Say, is *Chrysodina globosa* Oliv.

*C. convexa* Say, is a *Nodonota* and has been placed as a synonym of *N. tristis* Oliv., but incorrectly.

*C. striata* Say, is *Paria aterrima* Oliv.

*C. puncticollis* Say, is a *Nodonota*, and has since been described as *N. strigicollis* Lefev.; it may be known by having the sides of the elytra obtusely subcarinate behind the humeral umbone; the legs are usually pale, but vary to piceous.

*C. decemnotata* Say, is a *Xanthonia*.

*C. sexnotata* Say and

*C. quadrinotata* Say, are varieties of the same, and identical with *Paria canella* Fab.

*C. pallida* Say, is a *Metachroma*.

*C. dubiosa* Say, was placed by Crotch in *Metachroma*, which, as constituted by him, is apparently composite, and the species should be separated.

*C. favosa* Say, is a true *Colaspis*.

*C. denticollis* Say, is a *Myochrous*.

*C. interrupta* Say, has been placed in *Metachroma*.

Lefèvre has described a *Typophorus histrio* from our fauna, which seems identical with Say's species. I have not yet had the time to study closely the genera of *Eumolpidæ* as given by Lefèvre (*Mém. Liege* xi), but it is possible that *M. californica*, *dubiosa*, *usta* and *interrupta* should go to *Typophorus*.

At present is a favorable opportunity for directing attention to the collection of the species or forms associated in our present lists under the name *Colaspis tristis* or *Nodonota*, as it should be called. In the series at present before me at least five forms are clearly separable in those occurring in the Atlantic region. while at least two occur in Arizona. In all the species before me I have observed that the sixth joint of the antennæ is distinctly shorter than either the fifth or seventh.

In collecting *Nodonota* the plant on which they occur should be noted, and as large series from remote regions will be necessary for the proper elucidation of the species I have refrained from greater expression of opinion.