

geschieden. Schienen unbewehrt; Tarsen normal, Krallen einhakig.  
*Cionus fraxini*.

*o.* Fühler 10gliedrig, mit fast graden Fühlergruben. Kehlausschnitt breit und seicht, Vorderhüften zusammenstossend. Schienen seitenständig gedorn; Tarsen normal, Krallen einhakig, bis über die Mitte gespalten. Gymnetron (Rotte 1 und 2 bei Schönherr).

*p.* Fühler 10gliedrig, mit fast graden Fühlergruben. Kehlausschnitt deutlich und und tief, Vorderhüften durch eine schmale Rinne getrennt. Schienen seitenständig gedorn; Tarsen normal, Krallen 2hakig, normal. Gymnetron. (Rotte 3 bei Schh.)

*q.* Fühler 10gliedrig, mit nach unten gebogenen Fühlergruben. Vorderrand der Vorderbrust ausgeschnitten, Vorderhüften zusammenstossend. Schienen gespornt; Tarsen normal, Krallen einhakig, bis über die Mitte gespalten. *Mecinus*.

*r.* Fühler 9gliedrig, mit nach unten gebogenen, convergirenden Fühlergruben. Vorderbrust bis an die Vorderhüften breit ausgerandet, letztere zusammenstossend; Mittelbrust mit einem die Rüsselspitze aufnehmenden Eindrucke. Schienen unbewehrt; Tarsen normal, Krallen einhakig, bis über die Mitte gespalten. *Nanodes*.

Ein Versuch, die einheimischen Gattungen der *Mecorhynchi* auf eine naturgemässe Weise an einander zu reihen, setzt erst noch eine genauere Durchmusterung der *Brachyrhynchi* voraus, von denen noch manche unter die erstern zu versetzen sein dürften: nur lässt sich jetzt schon bemerken, dass *Mecinus* von der *Lixen*-Gruppe (S. 206 a.) durch nichts als durch die 10gliedrigen Fühler abweicht, und daher, was auch der Habitus bestätigt, als eine anomale Form mit derselben vereinigt werden muss.

(Fortsetzung folgt.) 1848. p 52

## ° *Trechorum Europaeorum Conspectus,*

auctore **G. Putzeys.**

Quum permultae *Trechorum* species novae in Europa ipsa nuper sunt detectae, opportune mihi visum est illos non describere nisi typis specierum antea cognitarum comparatis; quod mihi licuit Entomologorum benevolentia. Opusculum quod sequitur non est monographia, sed tantum dispositio naturalis specierum tam descriptarum quam novarum.

### 1. *T. discus* Fab.

Alatus, elongatus, rufo-testaceus, elytris post medium nigro-unifasciatis, vertice infuscato; antennis filiformibus, dimidio corporis longioribus, articulo 2<sup>o</sup>-4<sup>o</sup> sub-aequali; pronoto cordato, angulis posticis acutis; elytris subtiliter pubescentibus, elongato-

ovatis, punctato-striatis, striis postice obsolete, interstitiis obsolete punctulatis, 3<sup>o</sup> bipunctato.

Long. 5, El.  $2\frac{3}{4}$ , Lat.  $1\frac{2}{3}$  Mill.

Fabr. S. E. I. 207. 200. — Duft. F. A. II. 171. 228. — Sturm D. I. VI. 80. 7. — Dej. Spec. Col. V. 4. I. Icon. IV. 281. 1. pl. 203 f. 1. — Erichs. Brandb. Ins. I. 122. 2. — Heer. Die Käf. der Schw. I. 73. 1. Faun. Helv. I. 119. 1. — Schiödte Danm. El. I. 325. 2.

*Carabus unifasciatus* Panz. F. G. XXXVIII. 7.

*Trechus Mariae* Humm. Ess. ent. no. III. 2.

2. *T. micros* Herbst.

Alatus, elongatus, rufo-testaceus, pubescens; vertice infuscato; elytris post medium brunneo-plagiatis; antennis filiformibus, dimidio corporis longitudine aequalibus, articulo 2<sup>o</sup>-4<sup>o</sup> subaequali; pronoto subcordato, angulis posticis rectis; elytris elongato-ovatis, lateribus subparallelis, subtiliter punctato-striatis, interstitiis confertissime punctulatis, interstitio 3<sup>o</sup> bipunctato.

Long. 4, El. 2, Lat.  $1\frac{1}{2}$  Mill.

Herbst Archiv 142. 60. — Illiger K. Pr. I. 180. 53. — Sahlberg Ins. F. p. 205. no. 32. — Dejean Spec. Col. V. 5. 2. Icon. IV. 289. 2. pl. 203 f. 2. — Erichson. Die Käf. der M. B. I. 120. 1. — Heer. Die Käf. der Schw. I. 73. 2. Faun. Helv. I. 119. 2. — Schiödte Danm. El. I. 324. 1.

*C. rubens* Duft. II. no. 230. (cf. Schaum in Stett. E. Zeit. 1846 p. III.) Duftschmidti descriptione optime convenit.

*C. planatus* Duft. II. 172. no. 229. Cel. Germar credit eundem esse ac *C. micros* Herbst. (cf. Dejean spec. V. p. 6) Mihi videtur varietatem esse hujus speciei pronoti angulis posticis evidentioribus atque elytris unicoloribus.

*T. sericeus* Fleischer. Bull. Mosc. I. 1829.

*Tr. crassicornem* (Sturm Cat.) mecum benevole communicatum, meram hujus speciei varietatem esse censeo, pronoto anterieus angustiore.

3. *T. quadricollis*.

Alatus, elongatus, rufo-testaceus, pubescens, vertice late infuscato, elytris dorso brunneo-plagiatis; antennis filiformibus, dimidio corporis longitudine aequalibus, art. 2<sup>o</sup>-4<sup>o</sup> subaequali; pronoto subquadrato, angulis posticis rectis; elytris elongatis, lateribus subparallelis, subtiliter punctato-striatis, interstitiis confertissime punctulatis, interstitio 3<sup>o</sup> bipunctato.

Long. 4, El. 2, Lat.  $1\frac{1}{4}$  Mill.

*Tr. micros* affinis, pronoto postice vix angustato, lateribus minus rotundato, basi latiore, angulis posticis minus prominentibus; elytris dorso convexioribus, striis profundioribus.

Sp. 3 (♂ ♀) in Mus. Dejean, e St. Petersburg, sub nomine *T. micros*.

4. *T. longicornis* Sturm.

Alatus, elongatus, testaceus, vertice infuscato; antennis filiformibus dimidio corporis longioribus, articulo 2<sup>o</sup>-4<sup>o</sup> subaequali; pronoto subcordato, angulis posticis subrectis; humeris prominulis; elytris elongatis, subparallelis, punctato-striatis, striis tribus primis profundioribus, 3<sup>a</sup> tripunctata.

Long. 3 $\frac{3}{4}$ , El. 1 $\frac{3}{4}$ , Lat. 1 $\frac{1}{4}$  Mill.

Sturm D. F. VI. 83. no. 9 Tab. 151 f. a. A. — Brullé hist. nat. des ins. V. 177. 3. — Heer. Die Käf. der Schw. I. 73. 3. Faun. Helv. I. 119. 3.

*C. rubens* Duft.? (cf. Schaum in Stett. Ent. Ztg. 1846 p. 111.)

*T. littoralis* Dej. spec. gen. Col. V. 7. 3. Icon. IV. 290. 3. pl. 203 fig. 4.

5. *T. paludosus* Gyll.

Alatus, piceus, elytris castaneis, coeruleo-micantibus, antennis pedibusque testaceis; antennis filiformibus articulo quarto 3<sup>o</sup> longiore, pronoto subcordato, angulis posticis acute rectis; elytris oblongis, punctato-striatis, striis externis obsolete, interstitio 3<sup>o</sup> tripunctato.

Long. 5, El. 4, Lat. 2.

Gyll. II. 34. 20. IV. 413. 20. — Sturm D. F. VI. 89. 13. tab. 151 f. d. D. — Sahlb. Ins. Fenn. p. 104 no. 31. — Dej. spec. Col. V. 8. 4. Icon. IV. 292. 4. pl. 203 fig. 4. — Heer. Die Käfer der Schw. I. 73. 4. F. H. I. 120. 4.

*C. rubens* Fab.? (Schiodte D. E. I. 327. 4.)

*C. palpalis* Duft. II. 183. 248.

Duftschildtii *C. palpalis* longitudo (2 $\frac{1}{2}$  lin.) *Tr. palpali* Dej. non convenit, qui lin. 2 non excedit. Caput obscurius, pronotum vix angustatum, elytra coeruleo-nitentia *C. paludosum* Gyll. indicant et non *T. palpalem* Dej. Ceterum Sturm in descriptione *Tr. paludosi* hujus speciei individuum nomine *C. palpalis* a Duftschildtio ipso secum communicatum esse dicit. Nomen a Cel. Gyllenhal praevis impositum manere debet, nisi hoc insectum jam a Fabricio ut *Car. rubens* descriptum fuerit. (cf. Erichs. Brandbg. Ins. I. 122.)

6. *T. subnotatus* Dej.

Apterus, piceus, antennis brunneis, ore, macula humerali oblonga, altera apicali rotundata, elytrorum margine inflexo pedibusque testaceis; antennis filiformibus, articulo 2<sup>o</sup>-4<sup>o</sup> brevioribus; pronoto subcordato, angulis posticis minutis, prominentibus, acutis; elytris oblongo-ovatis, punctato-striatis, striis 7-8 obsolete, interstitio 3<sup>o</sup> tripunctato.

Long. 5, El. 2 $\frac{3}{4}$ , Lat. 2 Mill.

Dejean spec. Col. V. 18. 12. Icon. IV. 302. 11. pl. 205 fig. 1. — Hab. in Graecia.

Sp. 2. ♂. Mus. Dejean, Putzeys.

7. *T. rivularis* Gyll.

Apterus, piceus, ore, antennis pedibusque testaceis; antennarum articulo 2<sup>o</sup>-4<sup>o</sup> aequali; pronoto subquadrato, angulis posticis rectis; elytris oblongo-ovatis, punctato-striatis, striis apice evanescentibus, 4—8 obsoletis, 3<sup>a</sup> tripunctata.

Long. 4½, El. 2½, Lat. 1⅔ Mill.

Gyllenhal Ins. suec. II. 32. no. 18. — Dejean Spec. Col. V. 16. 10.

*T. rufulo* angustior, striis profundioribus.

Hab. in Europa boreali.

Sp. I. Mus. Dejean.

8. *T. Longhii*.

Apterus, rufo-testaceus, ore, antennis, elytrorum margine extremo pedibusque testaceis; antennis filiformibus, art. 2<sup>o</sup>-4<sup>o</sup> minore; pronoto cordato, angulis posticis acute rectis; elytris ovatis, striato-punctatis, interstitio 3<sup>o</sup> tripunctato.

Long. 5, El. 2½, Lat. 1½ Mill.

Comolli, de col. nov. prov. Novoc. (1837) p. 13 no. 18.

Caput subquadratum, postice subangustatum. Mandibulae apice incurvae, acutae. Labrum transversum, late sed parum profunde emarginatum. Antennae filiformes, parce pubescentes, basi glabrae; articulis quatuor primis basi angustatis; 1<sup>o</sup> crasso; 2<sup>o</sup>-4<sup>o</sup> brevioribus; 3<sup>o</sup> longioribus; caeteris cylindricis longitudine sensim decrescentibus; ultimo apice rotundato. Oculi semi-globosi, parvi, subprominuli. Sulci frontales arcuati, profundi, glabri. Occiput sub oculo acutissime armato granulatum.

Pronotum capite paullo latius, cordatum, basi margineque antico truncatum, angulis anticis subprominulis, rotundatis, lateribus marginatis, angulis posticis reflexis acute rectis. Canalicula media lata, profunda, marginem anticum non attingens. Basi utrinque foveola lata rotundata ad angulos posticos, alteraque minor et profundior inter primam atque canaliculam mediam. Elytra pronoto dimidio latiora, oblongo-ovata, basi latiora, late marginata, subconvexa, punctato-striata, striis quatuor primis profundioribus; 7—8 obsoletissimis; marginali foveolis seriatim dispositis in medio interruptis; 3<sup>a</sup> tripunctata.

Hab. in Pedemont.

Sp. I. ♀. Mus. Dejean.

9. *T. procerus*.

Apterus, piceo-niger, ore, antennis, pedibus, elytrorum margine extremo, suturaque angusta rufo-testaceis; antennis filiformibus, art. 2<sup>o</sup>-4<sup>o</sup> minore, pronoto cordato, angulis posticis prominulis, acutis; elytris oblongo-ovatis, striato-punctatis, interstitio 3<sup>o</sup> tripunctato.

Long. 6, El. 3¼, Lat. 2 Mill.

*T. Longhii* affinis; major, piceo-niger, pronoto in medio angustiore, postice minus subito constricto, elytris longioribus, planioribus, elytro singulo apice rotundato.

Sp. 1 ♀, e montibus Transsylvaniae. Mus. Soc. ent. Stettin.

10. *T. fulvus* Dejean.

Alatus, rufo-testaceus, antennis pedibusque testaceis; antennis filiformibus articulo 2<sup>o</sup>-4<sup>o</sup> aequali; pronoto subquadrato postice angustato, angulis posticis acute rectis; elytris oblongo-ovatis, subplanis, crenato-striatis, stria 3<sup>a</sup> tripunctata.

Long.  $4\frac{3}{4}$ , El.  $2\frac{1}{2}$ , Lat.  $1\frac{1}{2}$  Mill.

Dejean Spec. Col. V. 10. 5. Icon. IV. 293. 5. pl. 203 fig. 5.

Hab. in Pyrenaeis. Hisp.

♂ ♀ 3 sp. — Mus. Dejean, Putzeys, Reiche.

11. *T. rufulus* Dejean.

Apterus, rufo-piceus, capite infuscato, ore, antennis pedibusque testaceis; antennarum articulo 2<sup>o</sup>-4<sup>o</sup> minore; vertice transversim sulcato; pronoto convexo, quadrato, lateribus parum rotundatis, marginatis, angulis posticis rectis, minutis, porrectis; elytris oblongo-ovatis, punctato-striatis, striis 4—8 obsoletis, 3<sup>a</sup> tripunctata.

Long.  $4\frac{1}{2}$ , El.  $2\frac{1}{2}$ , Lat.  $1\frac{7}{8}$  Mill.

Dejean Spec. Col. V. 15. 9. Icon. IV. 299. 9. pl. 204 fig. 4.

Hab. in Sicilia.

♂ ♀. Mus. Dejean et Putzeys.

12. *T. nigrinus*.

Alatus, niger, nitidus, ore, antennis pedibusque testaceis; antennarum articulo 2<sup>o</sup>-4<sup>o</sup> aequali; pronoto transverso, basi subangustato, angulis posticis prominulis, obtusis; elytris oblongo-ovatis, punctato-striatis, striis 4 primis profundioribus, 3<sup>a</sup> tripunctata.

Long.  $3\frac{1}{2}$ , El.  $1\frac{7}{8}$ , Lat.  $1\frac{1}{3}$  Mill.

Mandibulae piceae, basi latae, in medio trigonae, apice acuto, incurvo, prolongato. Labrum transversum, late et rotundatim emarginatum.

Antennae longiores, filiformes, articulo 1<sup>o</sup> crasso, cylindrico, incurvo, 2<sup>o</sup> subcylindrico, 4<sup>o</sup> longitudine aequali, 3<sup>o</sup>-4<sup>o</sup>que clavatis, 5—10 cylindricis, 11<sup>o</sup> penultimo longiore, apice rotundato. Oculi prominuli.

Pronotum transversum, postice vix angustatum, basi margineque antico truncatum, angulis anticis rotundatis, posticis obtusis, dente prominulo instructis, canalicula media marginem anticum non attingente; foveolae baseos latae, rotundatae, laeves.

Elytra oblongo-ovata, lateribus in medio subparallelis, punctato-striata, striis 3—4 abbreviatis, 5—6 obsoletis, caeteris, marginali excepta, deficientibus, tertia punctis 3 majoribus notata.

In Carniolia frequenter occurrit D. de Kiesenwetter qui nomen imposuit; habitat etiam in Styria, Carinthia, Tyrol.

7 sp. Mus. Soc. ent. Stett., Putzeys.

13. *T. maurus* Putz.

Alatus, niger, nitidus, ore, antennis pedibusque testaceis; antennarum articulo 2<sup>o</sup>-4<sup>o</sup> brevior; pronoto transverso, basi subangustato, angulis posticis subprominulis, obtusis; elytris oblongo-ovatis, punctato-striatis, striis 4 primis profundioribus 3<sup>a</sup> tripunctata.

Long. 2 $\frac{3}{4}$ , El. 1 $\frac{7}{8}$ , Lat. 1 $\frac{1}{4}$  Mill.

*T. nigrino* minor, pronoto angustiore, angulis posticis minus prominentibus.

Hab. in Carinthia.

Sp. 1 ♂. Mus. Chevrolat.

14. *T. minutus* Fabr.

Alatus, piceus, antennis pedibusque testaceis; antennis filiformibus, articulo 2<sup>o</sup>-4<sup>o</sup> brevior; pronoto transverso, angulis posticis obtusiusculis, elytris oblongo-ovatis, punctato-striatis, striis quatuor primis profundioribus.

Long. 3 $\frac{3}{4}$ , El. 2, Lat. 1 $\frac{1}{3}$  Mill.

Fabricius S. E. I. 210. 218. (Carabus) — Erichs. Käf. Brandbg. I. 121. 3. — Heer Faun. Helv. I. 120. 6. — Schiödte Danm. El. I. 326. 3.

*C. tempestivus* Panz. F. G. 73. 6.

*B. 4-striatum* Gyll. I. S. II. 31. 17.

*T. rubens* Clairv. Ent. helv. II. 26. t. 2 b. B. — Sturm D. I. VI. 79. 6. — Dej. Spec. V. 12. 7. Icon. IV. 296. 7. pl. 204 f. 2.

15. *T. obtusus* Er.

Apterus, piceus, ore, antennis pedibusque testaceis; antennis filiformibus, articulo 2<sup>o</sup>-4<sup>o</sup> brevior; pronoto transverso, angulis posticis obtusis subrotundatis; elytris breviter ovatis, punctato-striatis, striis tribus primis profundioribus, 3<sup>a</sup> bipunctata.

Long. 3 $\frac{3}{4}$ , El. 2, Lat. 1 $\frac{1}{3}$  Mill.

Erichson Brandb. Ins. I. 122. 4.

16. *T. castanopterus* Heer.

Apterus, castaneus, antennis rufis, pedibus testaceis; antennarum articulo 2<sup>o</sup>-4<sup>o</sup> brevior; pronoto transverso, subrotundato, angulis posticis rotundatis; elytris ovatis, striis duabus primis profundioribus.

Long. 3 $\frac{3}{4}$ , El. 2, Lat. 1 $\frac{1}{3}$  Mill.

Heer. Die Käf. der Schw. II. 46. Faun. Helv. I. 120. 7.

A *nigrino* differt colore, pronoto longiore, angustiore, postice minus latiore, angulis minus prominulis; elytris longioribus humeris magis attenuatis atque alarum defectu.

Sp. 1 ♀ ex Mus. D. Kiesenwetter a D. Heer ipso missum. Descriptio attamen discrepat elytris non breviter sed potius elongato-ovatis.

17. *T. austriacus* Dej.

Apterus, rufo-piceus, capite pronotoque obscurioribus, ore, antennis pedibusque rufo-testaceis; antennarum articulo 2<sup>o</sup>-4<sup>o</sup> subaequali; pronoto subquadrato, postice angustiore, angulis posticis elevatis, acutiusculis; elytris oblongo-ovatis, striato-punctatis, striis quatuor primis profundioribus, caeteris obsoletioribus, 3<sup>a</sup> tripunctata.

Long. 3 $\frac{1}{3}$ , El. 2, Lat. 1 $\frac{1}{2}$  Mill.

Dejean Spec. Col. V. 15. 8. Icon. II. 298. 8. pl. 204 f. 3.

A *T. minuto* differt antennis crassioribus, pronoto longiore, basi angustiore, angulis posticis magis acutis, elytris latioribus, striis profundioribus.

Hab. in Austria.

♂ ♀ Mus. Dejean.

18. *T. Kamtschatkensis*.

Apterus, rufo-piceus, capite obscuriore, ore, antennis pedibusque rufo-testaceis; antennarum articulo 2<sup>o</sup>-4<sup>o</sup> brevioribus; pronoto quadrato, angulis posticis elevatis, obtusis; elytris oblongo-ovatis, striis 4 primis profundioribus, 3<sup>a</sup> tripunctata.

Long. 3 $\frac{2}{3}$ , El. 1 $\frac{7}{8}$ , Lat. 1 $\frac{1}{2}$  Mill.

(*T. austriacus* Dej. Spec. Col. V. 15. 8.)

A *T. austriaco* differt pronoto magis quadrato, postice minus angustato, angulis posticis obtusis; elytris longioribus, lateribus magis parallelis, paullo profundius striatis.

A *T. minuto* pronoto longiore, elytris laevioribus, profundius striatis etc.

Hab. in Kamtschatka.

3 Sp. ♂ ♀ Mus. Dejean.

19. *T. ochreatus* Dej.

Alatus, rufo-testaceus, capite obscuriore, ore, antennis pedibusque testaceis; labro profunde emarginato; antennis apice crassioribus, articulo 2<sup>o</sup>-4<sup>o</sup> aequali; pronoto subcordato, marginibus parum rutundatis, angulis posticis obtusis; elytris oblongis, striato-punctatis, striis externis obsoletis, 3<sup>a</sup> punctis 3 majoribus instructa.

Long. 3 $\frac{1}{2}$ , El. 2, Lat. 1 $\frac{1}{4}$  Mill.

Dejean Spec. Col. V. 11. 6. Icon. IV. 295. 6. pl. 204 f. 11.

— Heer. Die Käf. der Schw. I. 73. 5. Faun. Helv. I. 120. 5.

♂ ♀ Mus. Dejean.

20. *T. bannaticus*.

Apterus, rufo-piceus, ore, antennarum articulis duobus primis pedibusque testaceis; antennarum articulo 2<sup>o</sup>-4<sup>o</sup> aequali; pronoto subcordato angulis posticis acutis; elytris oblongo-ovatis

punctato-striatis, striis quatuor primis profundioribus, caeteris obsoletissimis; stria 3<sup>a</sup> tripunctata.

Long.  $3\frac{7}{8}$ , El. 2, Lat.  $1\frac{1}{2}$  Mill.

Dejean Spec. gen. Col. V. 20. 14. Icon. IV. 304. 13. pl. 205 f. 4.

Hab. in Hungaria.

1 sp. ♀ Mus. Dejean.

21. *T. montanus*.

Apterus, piceus, subnitidus, ore, antennis pedibusque testaceis; antennarum articulo 2<sup>o</sup>-4<sup>o</sup> majore; pronoto lato, transverso, lateribus rotundato, basi nonnihil angustato, angulis posticis minutis, prominulis, acutis; elytris ovatis, punctato-striatis, striis 4-primis profundioribus, 3<sup>a</sup> tripunctata.

Long.  $3\frac{1}{2}$ , El. 2, Lat.  $1\frac{1}{2}$  Mill.

Caput, sub oculo acutissime armato, granulatum. Mandibulae basi latae, apice incurvae. Labrum late emarginatum, punctis 5 piliferis profunde impressum. Antennae breves, apice vix crassiores; articulo 1<sup>o</sup> crasso basi angustato; 2<sup>o</sup>-4<sup>o</sup> vix longiore, sed apice angustiore; 3<sup>o</sup> praecedente vix longiore; 5-10 cylindricis; ultimo apice subovato. Oculi parum prominuli.

Pronotum transversum, anterius late emarginatum, angulis deflexis rotundatis; lateribus marginatum, posterius subangustatum, basi truncatum, angulis minutis, prominulis, acutis; supra modice convexum, canalicula media antice abbreviata, impressione antica obsoleta, postice vero profundiore, basi utrinque foveolatum.

Elytra ovata, thorace vix latiora, basi et apice aequè rotundata, punctato-striata, striis 4-primis profundioribus latioribus; 3<sup>a</sup> tripunctata.

Sp. 1 ♀ Mus. Kiesenwetter.

D. Kiesenwetter in montibus Moraviae detexit. Specimina multa collegerat quae praeter unum amisit.

22. *T. palpalis* Dej. (12. 131.)

Apterus, rufo-piceus, ore, antennis, elytrorum margine extremo pedibusque testaceis; antennis filiformibus, articulo 2<sup>o</sup>-4<sup>o</sup> brevioribus; pronoto subquadrato, postice angustato, angulis posticis prominentibus, acute rectis; elytris ovatis, punctato-striatis, striis 1-5 profundioribus, caeteris obsoletis, 3<sup>a</sup> tripunctata.

Long.  $3\frac{7}{8}$ , El.  $2\frac{1}{3}$ , Lat.  $1\frac{1}{2}$  Mill.

Var. humeris infuscatis.

Dejean Spec. Col. V. 19. 13. Icon. IV. 303. 12. pl. 205 f. 2.

*Syn.* (cf. *T. paludosus*.)

Hab. in Austria, Styria.

*Tr. micropterus* (Sturm Cat.) huc referendus.

23. *T. rotundipennis* Duft.

Apterus, piceus, ore, antennis, elytrorum margine extremo pedibusque testaceis; antennarum articulo 2<sup>o</sup>-4<sup>o</sup> brevioribus; pronoto cordato, ante angulos posticos coarctato, his prominulis, elevatis,



acute rectis; elytris ovatis, convexis, punctato-striatis, striis 5 primis profundioribus, caeteris obsoletis, 3<sup>a</sup> tripunctata.

Long.  $3\frac{7}{8}$ , El. 2, Lat.  $1\frac{1}{2}$  Mill.

Duft. II. 176. 236. (Carabus) — Sturm D. I. VI. 91. 14. Tab. CLII. f. a. A.

*T. alpicola*. Sturm D. I. VI. 93. 15. Tab. CLII. f. b. B. (immaturus) cf. Schaum in Stettin. Ent. Z. 1846 p. 106.

*T. alpinus*. Dejean Spec. Col. V. 21. 16. Icon. IV. 306. 15. pl. 205. f. 5.

Synonymia *T. alpicolae* cum *T. rotundipenni* haud dubia mihi videtur, quamvis D. Sturm in Catal. 1842 p. 36, illos ut species distinctas indicat.

Typum *T. alpicolae* ipse vidi et cum D. Schaum (l. c.) omnino consentio.

Hab. in Styriae alpibus.

♂ ♀ Mus. Dejean, Schaum.

24. *T. latus*.

Piceo-niger, nitidus, ore, antennarum basi, elytrorum margine, sutura, ano pedibusque fuscis; antennis filiformibus, art. 2<sup>o</sup>-4<sup>o</sup> brevioribus; pronoto cordato, angulis posticis prominulis, acutis; elytris ovatis, latis, convexis, punctato-striatis, striis 5 primis integris, caeteris obsoletis, 3<sup>a</sup> tripunctata.

Long.  $4\frac{3}{4}$ , El.  $2\frac{1}{2}$ , Lat. 2 Mill.

Mandibulae piceae, apice subincurvae. Labrum late emarginatum. Frons transversim bisulcata; sulci frontales profundi, subrugosuli. Oculi prominuli. Antennae articulo 1<sup>o</sup> sequentisque apice fuscis, filiformes; art. 1<sup>o</sup> subclavato, 2-4 clavatis, 5-10 cylindricis, 11<sup>o</sup> penultimo longiore, apice attenuato; 2<sup>o</sup>-4<sup>o</sup> brevioribus. Pronotum cordatum, rugis transversis undulatis obsolete notatum, basi truncatum, margine antico late emarginatum, angulis anticis prominulis, subrotundatis, margine laterali reflexo, ante medium dilatato, angulis posticis prominulis, acutis; canaliculo medio impressionem anticam rugulosam attingente; basi utrinque late atque profunde foveolata.

Elytra pronoto duplo latiora, ovata, convexa, punctato-striata, striis 1-5 integris, 6-8 obsoletis, stria 3<sup>a</sup> punctis tribus majoribus impressa.

Hab. in Austria. D. comes Ferrari.

4 Sp. ♂ ♀ Mus. Schaum.

25. *T. patruelis*.

Piceo-niger, nitidus, ore, antennarum basi, elytrorum margine, sutura, ano pedibusque fuscis; antennis filiformibus, articulo 2<sup>o</sup>-4<sup>o</sup> brevioribus; pronoto subcordato, angulis posticis minutis, subprominulis, acutis; elytris oblongo-ovatis, convexis, punctato-striatis, striis 5 primis integris, caeteris obsoletis, 3<sup>a</sup> tripunctata.

Long.  $3\frac{1}{2}$ , El. 2, Lat.  $1\frac{1}{3}$  Mill.

*T. lato proximus*, sed pronoto basi latiore, margine ante angulos posticos minus emarginato, his brevioribus; elytris minus convexis, longioribus, lateribus minus rotundatis.

Sp. 1 ♀ Carinthia. Mus. Schaum.

26. *T. croaticus* Dej.

Apterus, rufo-piceus, ore, antennis pedibusque testaceis; antennis apice crassioribus, articulo 2<sup>o</sup>-4<sup>o</sup> subaequali; pronoto cordato, marginibus parum rotundatis, angulis posticis rectis. Elytris ovatis, convexis, punctato-striatis, striis quatuor primis profundioribus, caeteris obsoletis, 3<sup>a</sup> tripunctata.

Long.  $3\frac{1}{2}$ , El.  $1\frac{7}{8}$ , Lat.  $1\frac{1}{3}$  Mill.

Dejean Spec. Col. V. 22. 17. Icon. IV. 307. 16. pl. 206 f. 1.

A *T. alpino* differt pronoto ante basin minus coarctato, angulis posticis minoribus, striis dorsalibus profundioribus.

Hab. in Styriae et Croatiae Alpibus.

♂ ♀ Mus. Dejean.

*T. brevis* (Sturm Cat.) nullo modo differt.

27. *T. rotundatus* Dej.

Apterus, rufo-piceus, ore, antennarum basi pedibusque testaceis; antennis albo-pilosis, submoniliformibus, apice crassioribus, articulo 2<sup>o</sup>-4<sup>o</sup> longiore, pronoto subquadrato, lateribus parum rotundato, postice angustato, angulis posticis rectis; elytris breviter ovatis, convexis, punctato-striatis, striis 4 primis profundioribus, caeteris obsoletis, 3<sup>a</sup> tripunctata.

Long.  $2\frac{1}{2}$ , El.  $1\frac{1}{3}$ , Lat.  $1\frac{1}{8}$  Mill.

Dejean Spec. Col. V. 23. 18. Icon. IV. 308. 17. pl. 206 f. 2.

Hab. in Styriae Alpibus.

2 Sp. ♂ ♂ Mus. Dejean.

28. *T. striatulus*.

Apterus, piceus, nitidus; antennis fuscis, basi dilutioribus, ore, pedibus elytrorumque apice extremo rufo-testaceis; antennis albo-pilosis, apice sub-crassioribus, articulo 2<sup>o</sup>-4<sup>o</sup> longiore; pronoto cordato, angulis posticis rectis prominulis; elytris breviter ovatis, tenue punctato-striatis, striis 3 primis profundioribus, 3<sup>a</sup> tripunctata.

Long.  $3\frac{1}{4}$ , El. 2, Lat.  $1\frac{1}{2}$  Mill.

Mandibulae basi latae, breves, apice incurvae. Labrum late emarginatum, punctis 5 piliferis profunde impressum. Antennae dimidio corporis longiores, apicem versus paullo crassiores, articulo 1<sup>o</sup> crasso, basi angustato, longitudine sequentis; 2<sup>o</sup>-4<sup>o</sup> longitudine aequali, sed apice illo angustiore; 3<sup>o</sup> praecedente vix longiore; 8-10 latis, ultimo praecedente dimidio longiore, apice attenuato, rotundato. Clypeus a fronte sulculo transverso separatus. Oculi parum prominuli.

Pronotum cordatum, anterius truncatum, angulis deflexis obtusis; lateribus marginatum, ante medium dilatatum, posterius angustatum, basi truncatum, angulis rectis reflexis; supra modice convexum, in medio profunde canaliculatum, impressione antica obsoleta, postica magis distincta; basi utrinque foveolatum strigaque obliqua notatum.

Elytra breviter ovata, thoracis basi duplo latiora, apice rotundata, sutura postica, apice margineque laterali inflexo rufo-testaceis, tenue punctato-striata, striis 3 primis profundioribus, 3<sup>a</sup> tripunctata.

In Silesiae montibus detectus a D. de Kiesenwetter.

8 Sp. ♂ ♀ Mus. Schaum, Putzeys.

29. *T. piceus*.

Apterus, piceus, nitidus, antennis fuscis, basi dilutioribus, ore, pedibus elytrorumque apice extremo rufo-testaceis; antennis albo-pilosis, apice crassioribus, articulo 2<sup>o</sup> - 4<sup>o</sup> aequali; pronoto subcordato, angulis posticis minutis, acutis, subprominulis; elytris oblongo-ovatis, punctato-striatis, striis 4 primis profundioribus, 3<sup>a</sup> tripunctata.

Long. 3½, El. 2, Lat. 1½ Mill.

*T. glaciali* proximus, sed pronoto subbreuiore, postice angustiore, elytris planioribus, distinguitur.

Hab. in Carinthia.

2 Sp. ♂ ♀ Mus. Schaum.

30. *T. pyrenaicus* Dej.

Apterus, rufo-piceus, ore, antennarum basi pedibusque testaceis; antennis apice crassioribus, articulo 2<sup>o</sup> - 4<sup>o</sup> longiore; pronoto cordato, angulis posticis rectis, prominulis, elytris oblongo-ovatis, punctato-striatis, striis quatuor primis profundioribus, caeteris obsoletis, 3<sup>a</sup> tripunctata.

Long. 2½, El. 1½, Lat. 1½ Mill.

Dej. Spec. Col. V. 21. 15. Icon. IV. 305. 14. pl. 205 f. 4.

Hab. in Pyrenaeis.

4 Sp. ♂ ♀ Mus. Dejean.

31. *T. pulchellus* Putz.

Apterus, obscure brunneus, capite, pronoto, sutura margineque dilutioribus, palpis femoribus tarsisque testaceis; antennis crassis, brevibus, articulo 2<sup>o</sup> - 4<sup>o</sup> aequali; elytris breviter ovatis, convexis, striis duabus primis tantum distinctis.

Long. 3½, El. 1½, Lat. 1½ Mill.

Putz. Prém. ent. p. 59. no. 57.

A *T. glaciali* differt elytris brevioribus, convexioribus, striis obsoletioribus, pronoto basi angustiore, antennis brevioribus.

Hab. in Saxonia D. de Kiesenwetter.

6 Sp. ♂ ♀ Mus. Gaubil, La Ferté, Putzeys, Schaum.

32. *T. glacialis* Heer.

Apterus, nigro-castaneus, antennis fuscis, basi dilutionibus, ore pedibusque testaceis; antennis albo-pilosis, apice crassioribus, articulo 2<sup>o</sup>-4<sup>o</sup> longiore, pronoto transverso, lateribus rotundatis, angulis posticis minutis, acutis, prominulis; elytris oblongo-ovatis, convexiusculis, punctato-striatis, striis 4 primis profundioribus, 3<sup>a</sup> tripunctata.

Long.  $3\frac{1}{2}$ , El. 2, Lat.  $1\frac{1}{3}$  Mill.

Heer. Die Käf. der Schw. II. 47. F. H. I. 121. 9.

Hab. in Helvetia.

3 Sp. ♂ Mus. Kiesenwetter (2 a D. Heer missa) et soc. ent. Stettin.

33. *T. assimilis* Heer. Die Käf. der Schw. II. 46. F. H. I. 121. 8.

(*T. glacialis* affinis, sed capite paullo minore, antennis parce pilosis, elytris ovatis, striis paullo profundioribus, mandibulis brevioribus, incurvatis, dign.)

Insectum non vidi.

Hab. in Helvetia.

34. *T. profundestriatus* Heer. Die Käf. der Schw. II. 47. Faun. Helv. I. 121. 10.

(*T. glacialis* simillimus, sed pronoto subquadrato, planiore, ruguloso, basi minus profunde impresso, elytris obovatis profundius striatis dist.)

Insectum non vidi.

Hab. in Helvetia.

35. *T. macrocephalus* Heer. Käf. der Schw. II. 47. Faun. Helv. I. 122. 11.

(Iterum *T. glacialis* valde affinis, sed minor, praesertim angustior, capite longiore, pronoto paullo longiore, lateribus minus rotundatis, elytris ovatis.)

Insectum non vidi.

Hab. in Helvetia.

36. *T. elegans*.

Apterus, fulvus, capite, elytris abdomineque obscurioribus, ore pedibusque testaceis; antennarum articulo 2<sup>o</sup>-4<sup>o</sup> longiore; pronoto cordato angulis posticis rectis, prominulis; elytris ovatis, planis, punctato-striatis, striis dorsalibus profundioribus, caeteris obsoletis, 3<sup>a</sup> tripunctata.

Long.  $3\frac{1}{8}$ , El.  $1\frac{2}{3}$ , Lat.  $1\frac{1}{4}$  Mill.

*T. ovato* proximus, sed pronoto, praesertim postice, latiore, angulis posticis minus prominentibus; elytris brevioribus, latioribus, subtilius striatis, striis externis obsoletioribus.

Hab. in Styria. Kahr.

1 Sp. ♂ Mus. Schaum.

37. *T. lithophilus*.

Apterus, piceus, pronoto elytrorumque sutura dilutioribus, ore, antennis pedibusque testaceis: antennarum articulo 2<sup>o</sup>-4<sup>o</sup> aequali; pronoto subcordato, angulis posticis prominulis reflexis acutis; elytris breviter ovatis, convexis, striato-punctatis, striis 4 primis profundioribus, caeteris obsoletis, 3<sup>a</sup> tripunctata.

Long.  $3\frac{1}{3}$ , El. 2, Lat.  $1\frac{1}{2}$  Mill.

Caput laeve, nitidum; mandibulae mediocres, apice incurvae, acutae. Labrum sat profunde et late emarginatum. Antennae parce pilosae, dimidiam corporis partem attingentes, articulis 4 primis basi angustato; 1<sup>o</sup> crasso, 2<sup>o</sup>-4<sup>o</sup> aequali sed apice angustiore, 3<sup>o</sup> praecedente sublongiore, 5-6 subcylindricis, caeteris cylindricis, ultimo longiore, apice rotundato.

Pronotum cordatum, anterius truncatum, angulis deflexis obtusis; lateribus acute marginatum, ante medium dilatatum, dein angustatum; basi truncatum, angulis acutis posterius subprolongatis; supra modice convexum, in medio profunde canaliculatum, impressione antica obsoleta, postice vero magis conspicua; basi utrinque rotunde foveolatum.

Elytra breviter ovata, lata, convexa, sutura postice margineque laterali inflexo testaceis, punctato-striata, striis 3 primis profundioribus latioribusque, caeteris obsoletis, 3<sup>a</sup> tripunctata.

♂ ♀. Spec. unum in Mus. D. Chevrolat sub nomine praedicto, ex Bohemia notatum; alterum a D. de Kiesenwetter communicatum ex Styria.

38. *T. limacodes* Dej.

Apterus, rufo-piceus, capite infuscato, ore, antennis pedibusque testaceis; palporum articulo ultimo angustissimo; antennis crassis, articulo 2<sup>o</sup>-4<sup>o</sup> brevioribus; pronoto cordato, angulis posticis acutis; elytris ovatis, punctato-striatis, striis primis profundis, caeteris obsoletis, 3<sup>a</sup> tripunctata.

Long.  $2\frac{2}{3}$ , El.  $1\frac{2}{3}$ , Lat.  $1\frac{1}{8}$  Mill.

Dej. Sp. Col. V. 23. 19. Icon. IV. 309. 18. pl. 206 f. 3.

Hab. in Styria.

Sp. 5. Mus. Dejean, Putzeys, Schaum.

39. *T. ovatus* Putz.

Apterus, fulvus, capite abdomineque obscurioribus, ore, pedibusque testaceis; antennarum articulo 2<sup>o</sup>-4<sup>o</sup> subaequali; pronoto cordato, angulis posticis prominulis, subrectis; elytris ovatis, planis, punctato-striatis, striis dorsalibus profundioribus, 3<sup>a</sup> tripunctata.

Long.  $3\frac{1}{4}$ , El.  $1\frac{3}{4}$ , Lat.  $1\frac{1}{4}$  Mill.

Putzeys Prém. ent. p. 58. no. 56.

Hab. in Styria. Kahr. ♂ ♀ 6 Sp. Mus. La Ferté, Putzeys, Reiche, Schaum.

40. *T. Pertyi* Heer.

Apterus, -fulvus, palpis, antennis pedibusque testaceis; antennarum articulo 2<sup>o</sup>-4<sup>o</sup> brevior; pronoto cordato, angulis posticis subrectis; elytris ovatis, punctato-striatis, striis dorsalibus profundioribus, 3<sup>a</sup> tripunctata.

Long. 3., El. 1 $\frac{3}{8}$ , Lat. 1 $\frac{1}{8}$  Mill.

Heer. Die Käf. der Schw. II. 48. F. H. I. 122. 12.

A *T. ovato* differt pronoto basi latiore angulis posticis minus prominulis; elytris convexioribus, apice minus dilatatis, striis minus profunde striatis.

Hab. in Helvetia.

Sp. 2 ♂ ♀ (a D. Heer missa). Mus. Schauu.

41. *T. laevipennis* Heer.

Apterus, brunneus, elytrorum sutura postica margineque extremo, ore pedibusque rufo-testaceis; antennis articulo 2<sup>o</sup>-4<sup>o</sup> longiore; pronoto cordato, angulis posticis acute rectis; elytris ovatis, punctato-striatis, striis 3 primis profundioribus, caeteris obsolete.

Long. 2 $\frac{3}{4}$ , El. 1 $\frac{1}{2}$ , Lat. 1 $\frac{1}{8}$  Mill.

In uno specimine stria 3<sup>a</sup> quadripunctata.

Heer. Die Käf. der Schw. II. 48 ff. — F. H. I. 122. 13.

A *T. Pertyi* differt colore, elytris brevioribus, convexioribus, subtilius striatis, pronoto antice angustiore, lateribus minus rotundatis.

Hab. in Helvetia.

Sp. 2 (a D. Heer missa) Mus. soc. entom. Stett.

42. *T. secalis* Payk.

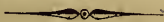
Apterus, ferrugineus, ore, antennis pedibusque testaceis; antennis articulo 2<sup>o</sup>-4<sup>o</sup> brevior; pronoto convexo, basi rotundato; elytris breviter ovatis, convexis, dorso profunde punctato-striatis.

Long. 3 $\frac{3}{4}$ , El. 2, Lat. 1 $\frac{1}{2}$  Mill.

Payk. F. S. I. 146. 64. — Oliv. Ent. III. 35. 114. 162.

Tab. 14 f. 161. a. b. — Duft. II. 36. 21. — Sturm D. I. VI. 96. 17. T. 152 f. D. — Gyll. II. 36. 21. — Dej. Sp. Col. 24. 20. Icon. IV. 310. 19. pl. 206 f. 4. — Brullé hist. nat. ins. V. 175. 1. — Erichs. I. 122. 5. — Heer F. H. I. 123. 14. — Schiödte D. E. I. 328. 5.

Car. testaceus. Fab. S. E. 209. 213. (immaturus; cf. Gyll., Schiödte, l. c.)



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