

which have the end produced into a single bristle; this is found in the costal fold in *Syrichthus*.

(3.) Hair Plumules (*Plumulae capillares*) (*Thanaos tages*). These are slender, almost as fine as a hair, and are obtuse at the end. Such plumules are found in the costal fold of *Thanaos tages*, and on the upper side of the wings in many species of *Lycæna*.

(4.) Jointed Plumules (*Plumulae articulatae*) (*Hesperia comma*), which are slender, nearly smooth, and divided into many joints, easily separable from one another. These very remarkable scales are found closely packed together in the small male-brands in all the species of true *Hesperia*.

(5.) Bladder Plumules (*Plumulae papillosæ*) (*Lycæna icarus*). These are small oval or egg-shaped scales, which have more or fewer rows of small bladder-like elevations on the surface, and are found in most species of the genus *Lycæna*.

(6.) Dotted Plumules (*Plumulae punctulatae*) (*Thecla w-album*). Dotted plumules are very like ordinary wing-scales, and the whole surface is very finely and closely dotted; they are always agglomerated into brands, and are found in the species of *Thecla* and in *Colias edusa*.

#### ON THE NOMENCLATURE OF THE GENERA OF THE RHYNCHOTA; HETEROPTERA AND AUCHENOR-RHYNCHOUS HOMOPTERA.

By G. W. KIRKALDY, F.E.S.

(Continued from p. 216.)

1843. GUÉRIN, Rev. Zool. 112-4. (a) *Peltopterus* t. *rugosa*.  
<sup>24</sup> AMYOT & SERVILLE, H. N. Ins. Hém. 1-676, and i-lxxvi. (a) *Cantao* t. *dispar* (= *ocellatus*); *Eucorysses* t. *pallens* (= *grandis*); *Irochrotus* t. *maculiventris* (= *lanatus*); *Hotea* t. *triangulum* (= *gambiae*); *Coptochilus* t. *ferrugineus*; *Ancyrosoma* t. *albolineatum*; *Bolbocoris* t. *tricolor* (= *rufus*); *Tarisa* t. *flavescens*; *Heterocrates* t. *coracinus* (= *marginatus*); *Strombosoma* t. *unipunctatum*; *Cazira* t. *verrucosa* (= *chiroptera*); *Platynopus* t. *varius* (= *melanoleucus*); *Catostyrax* t. *catena*; *Picromerus*<sup>25</sup> t. *bidens*; *Lobostoma*<sup>26</sup> t. *giganteum*; *Zicrona* t. *cœrulea*; *Hiverus* t. *hirtus* (= *torridus*); *Adrisa* t. *nigra*; *Brachypelta*<sup>27</sup> t. *tristis*; *Cyrtomenus* t. *castaneus*; *Amblyottus* t. *dufouri*; *Dismegistus* t. *circumcinctus* (= *fimbriatus*); *Menaccarus* t. *piceus*; *Pododus*<sup>28</sup> t. or-

<sup>24</sup> Probably issued very early in 1844.

<sup>25</sup> Homot. *Cimea*, 1758.

<sup>26</sup> Preocc. Gundl. 1840.

<sup>27</sup> Homot. *Cydnus*, 1803.

<sup>28</sup> Preocc. Agassiz, 1843.

*bicularis*; *Dalpada* t. *aspersa*; *Mustha* t. *serrata* (= *spinosa*); *Brochymena* t. *serrata* (= *quadripustulata*); *Thelima*<sup>29</sup> t. *complanata*; *Nevroscia*<sup>30</sup> t. *grata* (= *nubila*); *Bathycælia* t. *buno-poziensis*; *Menipha*<sup>31</sup> t. *brunnea* (= *marginatus*); *Oxyrhinus*<sup>32</sup> t. *subsulcatus* (= *reticulare*); *Rachava*<sup>33</sup> t. *orbicularis* (= *tristis*); *Sachana*<sup>34</sup> t. *depressus*; *Sephela* t. *linearis*; *Mormidea* t. *ypsilone*; *Myrochea* t. *vittata* (= *aculeata*); *Loxa* t. *flavicornis*; *Galedanta* t. *bituberculata*; *Oedosoma*<sup>35</sup> t. *acroleucum*; *Zalega* t. *furcifrons*; *Nezara* t. *smaragdula* (= *viridula*); *Evoptilus* t. *lacinatus*; *Sastragala* t. *uniguttata*; *Taurocerus* t. *edessoides* (= *achilles*); *Pero-matus* t. *notatus*; *Dorypleura* [= *Edessa*, 1803], t. *bubalus*; *Hypoxyz* [= *Edessa*] t. *quadridentis*; *Pygoda* [= *Edessa*] t. *polita*; *Aceratodes* [= *Edessa*] t. *cruentus* (= *rufomarginatus*); *Brachystethus* t. *marginatus*; *Piezostemum* t. *mucronatum* (= *subulatum*); *Mucanum* t. *canaliculatum*; *Hypencha* t. *apicalis*; *Mattiphus* t. *carrenoi* (= *laticollis*); *Eurypleura* t. *bicornis*; *Dalcantha* t. *dilatata*; *Pycanum* t. *amethystinum* (= *rubens*); *Cyclopelta* t. *obscura*; *Placosternum* t. *taurus*; *Dalsira* t. *affinis*; *Diplorhinus* t. *furcatus*; *Macrina* t. *furcata* (= *juvenca*); *Gonopsis* t. *denticulata*; *Diploxyt* t. *senegalensis*; *Dalader* t. *acuticosta*; *Namacus* t. *transvirgatus*; *Prismatocerus* [= *Homœocerus*, 1835], t. *auritulus* (= *magnicornis*); *Sephima* t. *pustulata*; *Molchina* t. *compressicornis*; *Mo-zena* t. *spinicrus* (= *brunnicornis*); *Spathophora* t. *biplacata*; *Melucha* [= *Physomerus*, 1835], t. *lineicollis* (= *phyllocnemis*); *Piezogaster* t. *albonotatus* (= *calcarator*); *Petalops* t. *elegans* (= *thoracicus*); *Sundarus* [= *Paryphes*, 1835], t. *neniator* (= *regalis*); *Cherommatus* t. *farinosus*; *Tetroda* t. *histeroides*; *Enoplops*<sup>36</sup> t. *scapha*; *Anasa* t. *cornuta*; *Golema* t. *rubromaculata* (= *histrio*); *Camptischium* [= *Hymeniphera*, 1832], t. *spinosum* (= *clavipes*); *Acanthocoris* t. *scabrior*; *Machima* t. *crucigera*; *Zoreva* t. *fasciata* (= *dentipes*); *Pephricus* t. *paradoxus*; *Tyno-toma* t. *vittata* (= *amicta*); *Melozia* t. *vilosipes*; *Zicca* t. *massu-lata* (= *nigropunctata*); *Beosus* t. *quadratus* (= *luscus*); *Pterot-metus* t. *staphyliniformis*; *Oedancala* t. *dorsilinea* (= *dorsalis*); *Cantacader* t. *quadricornis*; *Anomaloptera* t. *helianthemi*; *Crimia* t. *tuberculata*; *Mezira* [= *Brachyrhynchus*, 1832], t. *granulata* (= *usurpatus*); *Catamiarus* t. *brevipennis*; *Tetroxia* t. *spinifera*; *Acanthaspis* [= *Tetroxia*] t. *sexguttata*; *Physopelta* tt. *erythro-cephala*+*affinis* (both = *albofasciata*); *Durganda* t. *rubra*; *Cethera* t. *variata* (= *musiva*); *Salyavata* t. *variegata*; *Beharus* t. *luna-*

<sup>29</sup> Homot. *Chlorocoris*, 1837.

<sup>30</sup> Homot. *Agonoscelis*, 1837.

<sup>31</sup> Homot. *Ochlerus*.

<sup>32</sup> Homot. *Macrocygium*, 1837.

<sup>33</sup> Homot. *Sympiezorrhincus*, 1837.

<sup>34</sup> Homot. *Coriplatus*, 1843.

<sup>35</sup> Homot. *Arocera*, 1837.

<sup>36</sup> Homot. *Coreus*, 1803.

*tus* (= *cylindripes*) ; *Trichoscelis*<sup>37</sup> t. *stollii* (= *flavicans*) ; *Micrauchenus* t. *lineola* ; *Ponerobia* t. *rubronotata* (= *bipustulata*) ; *Herega* [= *Apiomerus*, 1832,] t. *rubrolimbata* (= *crassipes*) ; *Pristhevarma* t. *bipunctata* ; *Cidoria* t. *flava* ; *Yolinus* t. *sufflatus* ; *Eulyes* t. *amœna*<sup>38</sup> ; *Sycanus* t. *collaris* ; *Pristhesancus* t. *dorycus* ; *Helonotus* t. *tuberculatus* (= *sexspinosis*) ; *Piezopleura*<sup>39</sup> t. *angulosa* ; *Montina* t. *sinuosa* ; *Acantischium* t. *maculatum* ; *Isocondylus* t. *elongatus* ; *Darbanus* t. *nigrolineatus* (= *plagiatus*) ; *Passaleutes* t. *geniculatus* ; *Saica* t. *rubella* ; *Atrachelus* t. *heterogeneus* (= *cinereus*) ; *Heza* t. *binotata* ; *Sava* t. *coronata* (= *tuberculata*) ; *Sphaeridops* t. *amœnus* ; *Sastrapada* t. *flava* ; *Canthesancus* t. *tramaculatus* ; *Rhaphidosoma* t. *burmeisteri* (= *major*) ; *Sciodopterus* (= *Acanthia*, 1775), t. *flavipes* ; *Ptilomera* t. *laticauda* [ta] ; *Appasus*<sup>39a</sup> t. *natator*<sup>39b</sup> ; *Cercotmetus* t. *asiaticus* ; *Tacua* t. *speciosa* ; *Tosena* t. *fasciata* ; *Platyleura* t. *stridula* ; *Zammara* t. *tympanum* ; *Hymenarcys* t. *perpunctata* ; *Pycna* t. *strix* (= *stryx*) ; *Gæana* t. *maculata* ; *Hemisciera* t. *maculipennis* ; *Mogannia* t. *illustrata* ; *Oxypleura* t. *clara* ; *Tettigades* t. *chilensis* ; *Cyclochila* t. *australasiae* ; *Dundubia* t. *vaginata* ; *Tettigomyia* t. *vespiformis* ; *Physoplia* t. *crassicornis* ; *Hotinus*<sup>40</sup> t. *candalaria* ; *Lappida* t. *proboscidea* ; *Hysteropterum* t. *immaculatum* ; *Dalapax* t. *postica* ; *Pochazia* t. *fasciata* ; *Colobesthes* t. *falcata* ; *Phillyphanta* t. *producta* ; *Phalænomorpha* t. *incubans* ; *Nephesa* t. *rosea* ; *Encophyllum* t. *cruentatum* ; *Enchenopa* t. *monoceros* ; *Notocera* t. *cruciata* ; *Bolbonota* t. *nitus* ; *Gargara* t. *genistæ* ; *Thelia* t. *bimaculata* ; *Nessorhinus* t. *vulpes* ; *Oeda* t. *inflata* ; *Uroxiphus* t. *maculiscutum* ; *Rhinaulax* t. *maculipennis* (= *analis*) ; *Triecphora* [= *Tomaspis*, 1843], t. *sanguinolenta* ; *Monecphora* [= *Tomaspis*] t. *cingulata* ; *Proconia* t. *obtusa* ; *Aulacizes* t. *quadripunctata* ; *Diestostemma* t. *albipenne* ; *Acopsis* t. *viridicans* ; *Aglena* t. *ornata* (= *acuminata*) ; *Epiclimes*<sup>41</sup> t. *planata* ; *Zennica* t. *flavidorsum* ; *Prolobodes* [n. n. for *Lobostoma*, 1843], t. *giganteum*. (β) *Galostha* [= *Chrysocoris*] ; *Galgupha* [= *Corimelæna*] ; *Canthecona* ; *Sehirus* ; *Tritomegas* ; *Hyalymenus* ; *Camptopus* ; *Ectatops* ; *Lestomerus* ; *Rasahus* ; *Therapha* ; *Diplodus*,<sup>42</sup> *Sinea* ; *Pothea* ; *Plæogaster* ; *Saccoderes* ; *Zaitha* [= *Belostoma*, 1807] ; *Huechys* ; *Thopha* ; *Fidicina* ; *Carijeta* ; *Ceresa* ; *Tomaspis* ; *Sphenorhina* ; *Lepyronia*. (γ) *Arma*, 1832, t. *custos* ; *Ciccus*, 1829, t. *adspersus* ; *Entylia*, 1833, t. *sinuata*, F. ; *Homæocerus* [recte *Homæocerus*, 1835], t. *nigripes* ; *Calliphara*, 1839, t. *nobilis* ; *Spartocera*, 1832, t. *geniculata* ;

<sup>37</sup> Preocc. Dej. 1834.

<sup>38</sup> Nec *amœna* ut apud Leth. et Sev., &c.

<sup>39</sup> Homot. *Harpactor*, 1832.

<sup>39a</sup> = *Diplonychus*, 1832.

<sup>39b</sup> = *nepoides*, Fabr.

<sup>40</sup> Homot. *Pyrops*, 1837.

<sup>41</sup> Preocc. Guér. 1830.

<sup>42</sup> Preocc. Agassiz, 1843.

*Sphaerocoris*, 1835, t. *ocellatus* ; *Stireetrosoma*, 1837, t. *erytrocephala* ; *Platykoris*, Guér., 1830, t. *rubromarginatus* ; *Rhaphigaster*, 1832, t. *punctipennis* ; *Alphocoris* t. *lixoides* ; *Hemiptycha*, 1833, t. *punctata* ; *Solenostethium* [recte -stedium] t. *lynceum*,<sup>43</sup> *Phimodera*, 1839, t. *galbulina* ; *Apodiphya* [recte *Apodiphus*, 1837], t. *hellenicus* (= *amygdali*) ; *Verlusia*, 1837, t. *rhombea* (= *quadratus*) ; *Paryphes*, 1835, t. *lætus*. (δ) *Maotys*, unnecessary n. n. for *Ptilocerus*, 1840 ; *Coreomelas* for *Corimelæna*, 1839 ; *Prooxys*, 1837 ; *Platymerus*, 1832 ; *Hymenophora*, 1832 ; *Metapodus*, 1842 ; *Placoscelis*, 1837 ; *Plociomerus* for *Ptochiomera*, 1832 ; *Lohita* for *Macroceræa*, 1837 ; *Helicoptera* for *Elidiptera*, 1839 ; *Doryderes* for *Dyroderes*, 1837 ; *Phyllochirus*, 1837 ; *Cladypha* for *Cladodiptera*, 1839 ; *Hygyops* for *Ugyogs*, 1830 ; *Physorhynchus*, n. n. for *Loriceras*, Hahn [which is NOT preocc.] ; *Metastemma* for *Prostemma*, 1832 ; *Schizops*, 1837 ; *Hypochema*, 1833 ; *Achillus*, 1818 ; *Deropteryx*, 1839 ; *Acanthischium* [p. 648] for *Acanthischium* [p. 367] ; *Tlasia*, 1836 ; *Coryssoraphis* for *Coryzoraphis*, 1837.

#### DESCRIPTIONS OF TEN NEW SPECIES AND NINE NEW GENERA OF ICHNEUMONIDÆ FROM INDIA, CEYLON, AND JAPAN.

BY P. CAMERON.

##### CRYPTINA.

###### STERIPHOCRYPTUS, gen. nov.

Median segment with two transverse keels, toothed; its spiracles linear; the segment about one-half the length of the mesothorax. Disco-cubital nervure without the stump of a nervure. Transverse median nervure in hind wings broken below the middle. Post-petiole distinctly dilated. Radial cellule large, elongate, the areolet moderate in size, the sides convergent above. Head rounded inwardly in front and behind. Apex of clypeus transverse. Mandibles with two large teeth. Wings large, hyaline. The body is luteous, marked with black; the spiracles of the second abdominal segment are placed shortly behind the middle; the gastrocœli are small, deep, round; the malar space large, the head obliquely narrowed behind the eyes and well-developed there. Tarsi long, spinose; the fourth joint roundly incised. Antennæ stout, dilated towards the apex; the basal joints of the flagellum not much longer than the others. There is a distinct metapleural keel.

The type of this genus is larger and more robust than usual with the Cryptina. In Ashmead's arrangement it comes near *Callicryptus*, Bull. U.S. Nat. Mus. xxiii. 43.

<sup>43</sup> Homot. *Cœloglossa*, 1839.