the third joint; and of a Cimicideous insect from Sierra Leone (*Probænops dromedarius*, Wh.), presented to the British Museum by the Rev. D. F. Morgan, and subsequently described in the 'Zoologist.'

Extract of a letter from Captain Boys to the Rev. F. W. Hope, dated Almorah, April 27, 1842, containing notices of the habits of various species of Indian insects.

At Mhow (Malwa) he never collected *Oryctes* but in the decaying trunks of the wild date-tree (*Phœnix farinifera*, Roxb.), and constantly near its root. At Almorah, however, he found some larvæ, which he considered to be those of that genus, amongst the oak bark used by the natives for tanning. The want of proper food and moisture he considers to be the cause of the diminutive size of many specimens. In the trunks of the date-trees he also found the larvæ of a large species of *Calandra*. In the high districts of Mhow he found *Colliuris* and *Casnonia* in profusion: the latter also was found "common enough down below," but not the former. He found carrion insects comparatively few: many species of *Hister*, and as far as his own experience of the plains went, one species of *Silpha*, one of *Oiceoptoma* (neither very numerous), and *Necrobia* and *Clerus* in abundance, were nearly the sum total.

He also describes a species of the Heteromerous genus *Platynotus*, which in its habits is a "true burying beetle," and a few of which will sink a crow in the course of a few hours; it simulates death immediately it is touched, contracting its legs close to its abdomen. Many beetles considered purely coprophagous feed upon dead animals, and one of these he noticed to be very select in its choice, namely *Onthophagus igneus*, which he had never been able to take except from the dead bodies of serpents. The only insects he had observed in the nests of the white ants are *Hegeter*, *Scarites*, *Siagona*, and some species of spiders.

Paussus he never found there, but he has no doubt that it is the case, as he is inclined to think that it ought to be placed either with or near the *Carabidæ*, principally because he had observed that several species possess the power of crepitating and discharging a vapour which has the same smell and properties as that discharged by the *Brachini*, and that the joints of the tarsi, when the fresh insect is examined, prove to be five in each leg, and though the first is very minute, yet it is well defined. He had taken *Paussus* by sweeping among high herbage, but most frequently by spreading out a sheet with a lighted candle in the centre on a dark night.

Continuation of a memoir containing descriptions of new species of *Coleoptera* from Port Essington, in New Holland. By the Rev. F. W. Hope.

HETEROMERA.

TRIGONOTARSUS *, Hope, nov. gen.

Forma ferè orbicularis. Cælo *affinis Eschscholtzii.* Antennæ 11-*articulatæ, extrorsùm magnitudine increscentes, ternis ultimis*

* τριγωνὸς, *triangulus*, et ταρσὸς, *tarsus*.

majoribus. Caput *clypeo integro, ultimo articulo palporum cylindrico, apice acuto, præcedenti majori.* Thorax *anticè emarginatus, scutellum nullum.* Elytra *posticè acuminata.* Tibiæ *anticæ trigonæ externèque dentatæ, reliquæ simplices.*

Sp. 1. Trigonotarsus Australis, Hope. *Fuscus, antennis apice piceis; thorace piloso, elytrisque concoloribus; corpus infrà squalidum et tomentosum; tibiis anticis rubris, antrorsùm trigonis externè dentatis, dente majori in medio posito.* Long. lin. $2\frac{1}{2}$, lat. lin. $1\frac{1}{2}$.

I have thought proper to make the above insect the type of a new genus; it approaches nearly to *Cælus* of Eschscholtz: as it is my intention to figure it shortly, I pass on to other *Heteromera* of New Holland.

Sp. 2. Tagenia funerosa, Hope. *Nigra, antennis pilosis; capite anticè depresso; thorace parùm convexo; elytris striato-punctatis et hirsutis, pedibusque nigris.* Long. lin. 2, lat. lin. $\frac{1}{2}$.

This insect inhabits Van Diemen's Land.

Sp. 3. Tagenia leucospila, Hope. *Nigra, antennis incrassatis et pilosis, capite punctato albisque capillis asperso; thorax transversè impressus et punctulatus; elytra fortiter punctata, punctis duplici serie signatis lineisque aliquot elevatis pilosis, variisque maculis albis pilosis per discum aspersis pedibusque nigris.* Long. lin. 2, lat. lin. $\frac{1}{2}$.

This species occurs at Port Essington and at Swan River, and I believe also at Van Diemen's Land.

Sp. 4. Platynotus insularis, Hope. *Niger, capite ferè quadrato; thorace glabrato, posticè angulato, marginibus elevatis; elytra excavato-punctata, apicibus subacutiusculis; corpus infrà nigrum, tarsis piceis.* Long. lin. 7, lat. lin. 3.

I have received this insect from Melville Island; a very minute specimen has reached me also from Port Essington.

Sp. 5. Opatrum sphæroides, Hope. *Nigrum, clypeo emarginato, antennis ultimis articulis increscentibus et piceis; thorax punctulatus; elytra rugosa, subtuberculata, pilosa; corpus infrà nigrum, pedibus concoloribus, tarsis exceptis piceis.* Long. lin. $2\frac{1}{4}$, lat. lin. $1\frac{3}{4}$.

Sp. 6. Opatrum piceitarsis, Hope. *Fuscum, capite anticè impresso, antennis piceis; thorax ferè quadratus, angulis anticis parùm productis et acutis, posticis vix rectis; elytra striato-punctata; thorace triplo longiora; corpus infrà fusco-griseum, femoribus tibiis concoloribus tarsisque piceis.* Long. lin. $3\frac{3}{4}$, lat. lin. 1.

Sp. 7. Isopteron Opatroides, Hope. *Fuscum, antennis rubro-piceis; thorace angulis anticis subacutis, posticis ferè rectis; elytra striato-punctata; corpus infrà atrum punctatum, femoribus tibiis concoloribus tarsisque piceis.* Long. lin. 4, lat. lin. $1\frac{1}{4}$.—Hab. Western Australia.

Sp. 8. Asida serricollis, Hope. *Nigra, antennis tarsisque piceis; thorace valdè emarginato lateribusque externè serratis; elytra aliquot lineis minutis punctisque elevatis per totum discum*

aspersis; corpus infrà concolor, tarsis exceptis piceis. Long. lin. 4½, lat. lin. 2.

Sp. 9. Endophlæus Australis, Hope. *Flavo-brunneus, antennis nigricantibus pilosis; thorax angulis anticis parùm productis, posticis rectè acutis, disco lineâ longitudinali maculâ utrinque nigricanti insignito; elytra flava brunneoque colore variegata; corpus infrà concolor, tarsis infrà flavo-comatis.* Long. lin. 3½, lat. lin. 1½.

Sp. 10. Endophlæus variicornis, Hope. *Niger, antennis atris articulis quibusdam flavis et pilosis; capite atro nitido; thorax excavatus, anticè niger, posticè flavus, maculis duabus atro-pilosis ante scutellum positis; scutellum flavum; elytra sulcata, lineato-punctata, flavo brunneoque colore variegata; corpus infrà griseo-flavum.* Long. lin. 2½, lat. lin. 1.

I received the above from the vicinity of Adelaide.

Sp. 11. Neomida tetraspilota, Hope. *Atra, capite anticè rubro; thorace nigro et nitido; elytra concoloria, quatuor maculis rubris insignita, binæ ad humeros binæque aliæ ad apicem positæ; corpus infrà nigrum, pectore utrinque rufescenti, pedibusque rubris.* Long. lin. 1¾, lat. lin. ½.

Sp. 12. Tetraphyllus sumptuosus, Hope. *Violacea, antennis concoloribus; thorace anticè posticèque cyaneo, lateribus auratis; elytra striato-punctata, binis fasciis auratis insignita apicibusque concoloribus, medio disci lætè violaceo maculisque duabus cyaneis ante apicem positis; corpus infrà abdomine violaceo, pectore femoribus auratis, tibiisque cyaneis.* Long. lin. 2½, lat. lin. 1½.

Sp. 13. Cnodulon longipennis, Hope. *Affine* Cn. cupreo, Fab. *Oblongum, thorace atro; elytris viridi-purpurascentibus striato-punctatis, punctis minutis; corpore infrà atro et nitido.* Long. lin. 7½, lat. lin. 3½.

Sp. 14. Cnodulon cupripennis, Hope. *Oblongum, thorace atro-æneo, subtilissimè punctulato, antennis nigris; elytra cupreo-ænea, vix sub lente striato-punctata, punctis sparsim aspersis; corpus infrà nigrum.* Long. lin. 6½, lat. lin. 3¼.

Sp. 15. Cnodulon cupricolle, Hope. *Oblongum, thorace rosi-cupreo glabro, antennis atris; elytra olivaceo-viridia, lineato-punctata, punctis minutis; corpus infrà nigrum.* Long. lin. 5½, lat. lin. 2½.

The above insect inhabits Melville Island.

Sp. 16. Cnodulon puncticolle. *Oblongum, thorace atro, punctulato; elytris cupreo-æneis sulcato-punctatis, sulcis fortiter punctatis, punctis inter strias minutis; corpus infrà nigrum et nitidum.* Long. lin. 6, lat. lin. 3.

Sp. 17. Cnodulon sulcipennis, Hope. *Oblongum, thorace atro glabro elytrisque cupreo-æneis sulcato-punctatis, sulcis fortiter impressis, interstitiis striarum lævibus; corpore infrà nigro et nitido.* Long. lin. 4½, lat. lin. 2.

Sp. 18. Cnodulon picicorne. *Oblongum, thorace atro antennisque piceis; elytra cupreo-ænea purpurascentia, striato-punctata; corpus infrà nigrum, femoribus concoloribus, tibiis tarsisque brunneo-piceis.* Long. lin. 4, lat. lin. 1¾.

Sp. 19. Cnodulon cyanipennis, Hope. *Oblongum, thorace trapezoidali nigro, anticè contracto, posticè dilatato; elytra lætè cyanea, striato-punctata; corpus infrà nigrum, pedibus antennisque concoloribus, antennis quatuor ultimis articulis magnitudine increscentibus; tarsis infrà flavo-comatis.* Long. lin. 6, lat. lin. 2.

This insect, from the shape of the thorax, ought to be separated from *Cnodulon.*

Sp. 20. Cnodulon anthracinum, Hope. *Atrum, præcedenti affine; caput ferè quadratum, antennis palpisque piceis; thorax glaber, elytris striato-punctatis; corpore infrà concolori et nitido.* Long. lin. 4, lat. lin. $1\frac{3}{4}$.

I possess about ten other species of *Cnodulon* which are undescribed. It appears that there are two, if not three, subgenera included at present amongst the New Holland insects ranked as *Cnodulon.*

Sp. 21. Tenebrio longipennis. *Niger, thorace ferè quadrato, angulis anticis rotundatis, posticis acutis et denticulatis; elytris striato-punctatis nitidis atris; corpore infrà pedibusque concoloribus.* Long. lin. 8, lat. lin. 2.

Sp. 22. Tenebrio convexiusculus, Hope. *Niger, præcedenti affinis at minor; thorace convexiori; elytris fortissimè punctatis, punctisque majoribus valdè impressis.* Long. lin. 6, lat. lin. $1\frac{1}{2}$.

Sp. 23. Tenebrio cyanipennis, Hope. *Ater, antennis brunneo-piceis; thorace nigro-violaceo, ferè glabro; elytris striato-punctatis et cyaneis; corpus infrà nigrum, femoribus tibiis piceis, tarsisque infrà flavo-comatis.* Long. lin. $5\frac{3}{4}$, lat. lin. $1\frac{1}{2}$.

Sp. 24. Helops latipennis, Hope. *Nigro-chalybeus, thorace ferè quadrato depresso et punctato; antennis atris, quatuor ultimis articulis piceis; elytra thorace latiora, posticè parùm dilatata, subtilissimè punctata et viridi-chalybea; corpus infrà nigrum nitidum, femoribus tibiis palpisque piceis, tarsisque infrà flavo-comatis.* Long. lin. 10, lat. lin. 4.

Sp. 25. Allecula Pimeloides, Hope. *Nigra, antennis piceo-tomentosis; thorace convexo, angulis anticis rotundatis; elytra thorace triplo longiora, subacuminata, striato-punctata, striis haud fortiter impressis; corpus infrà nigrum, ultimo segmento abdominis in medio flavo-maculato.* Long. lin. 8, lat. lin. $2\frac{1}{2}$.

Sp. 26. Allecula Omophiloides, Hope. *Nigra, thorace depresso convexo, angulis posticis subacutis, lateribus medio dilatatis; elytra striato-punctata, posticè valdè dilatata; corpus infrà nigrum punctatum tarsisque infrà flavo-comatis.* Long. lin. 6, lat. lin. 2.

Sp. 27. Allecula melancholica, Hope. *Nigra, thorace ferè rotundato, punctulato, elytrisque striato-punctatis, posticè gradatim dilatatis, corpus infrà nigrum.* Long. lin. $5\frac{3}{4}$, lat. lin. $1\frac{1}{2}$.

Sp. 28. Allecula canescens, Hope. *Fusco-grisea, thorace albido-tomentoso; elytris striato-punctatis, fusco-cinerascentibus seu albidis capillis obsitis; corpus infrà concolor.* Long. lin. 6, lat. lin. 2.

Sp. 29. Allecula foveicollis, Hope. *Picea, thorace glabro, foveâ impressâ rotundatâ utrinque notato; elytra striato-punctata,*

picea, punctis fortiter insculptis ; corpus infrà concolor, pedibus pallidioribus. Long. lin. 5, lat. lin. 1¼.

Sp. 30. Allecula Gouldii. *Affinis præcedenti at minor ; picea, thorace glabro convexo ; elytris parùm pallidioribus striato-punctatis, punctis leviter impressis ; corpus infrà rubro-piceum.*

Named in honour of Mr. Gould, the ornithologist.

Sp. 31. Allecula nigricans, Hope. *Atro-picea, thorace punctulato ; elytris striato-punctatis, interstitiis striarum sparsim punctatis ; corpus infrà piceum, pedibus concoloribus.* Long. lin. 4½.

This species was also sent to me by Mr. Gould from Port Essington.

"Notice of a case of *Myasis*," by Dr. Henry Johnson (communicated by the Rev. F. W. Hope), in which specimens of the larvæ of *Anthomyia canicularis* had been discharged, in June 1842, by the aid of moderately active aperients, from the stomach of Elizabeth Ball, aged 35, the wife a hawker (and who had for six months previously been ill) at Shrewsbury, specimens of which had been forwarded to Mr. Hope, together with a highly magnified figure of the insect, drawn by W. A. Leighton, Esq., agreeing with that figured in the Transactions of the Entomological Society. Dr. Johnson moreover suggested the inquiry, whether the larvæ produce the disorder of the stomach, or are they secondary consequences of unhealthy digestion? the latter opinion gaining ground at the present time among medical men.

The Rev. F. W. Hope also communicated an extract of a notice by Dr. Davis of Presteign, from the Proceedings of the Exeter Meeting of the Provincial Medical and Surgical Association, containing a notice of a case in which a number of *Millepedes*, or wood-lice as they were termed (but which proved upon examination to be a species of *Oniscus*), had been discharged from the stomach of a boy fifteen years old, who for some months had complained of pain in his stomach which did not yield to common remedies, until he was relieved by a strong emetic which caused him to vomit a considerable number of these insects, mostly alive and full-grown, but wanting the brown colour of those found in natural situations, being chiefly white. There were sufficient to have filled a common-sized teacup. Dr. Davis considered that the ova had been swallowed by the boy with his food, especially as he has frequently observed the insects buried in bacon, which is sometimes eaten raw by children.

The Rev. F. W. Hope also stated that he had lately seen at Tunbridge Wells the larva of a Coleopterous insect which had caused severe illness in a female until it was removed by violent medicine.

October 3.—W. W. Saunders, Esq., President, in the Chair.

The President exhibited some singular exotic Hymenopterous insects belonging to the genera *Nomia* and *Eucharis*.

Mr. Thurston Thompson exhibited a specimen of the small common edible crab (*Carcinus mænas*), on the back of which a madrepore had grown several times larger than the crab.

The Secretary read some extracts from a letter addressed to himself by Robert Templeton, Esq., R.A., at present at Colombo in