

Fam. Cerianthidæ.

Genus CERIANTHUS.

Sp. 4. *Cerianthus Lloydii* (mihi). SPECIFIC CHARACTER. Mesenteric prolongations of the septa regularly graduated in length. Basal pore central.

This species differs signally from *C. membranaceus* and *C. cylindricus* in the arrangement of the membranous plates which spring from the walls of the elongate abdominal cavity. In those (according to the researches of M. Haime) the ordinary lamellæ are short, while two are immensely prolonged, even to the bottom of the visceral cavity. In the present species the lamellæ are twenty-four in number, of which one pair is exceedingly minute, while the opposite pair extends close to the basal pore. From the one to the other of these conditions there is a regular gradation in length; but from the longest to the middle pair the diminution is slight, while from the middle pair to the shortest it is great and rapid.

General Description.—FORM. Not differing in any recognized particular from *C. membranaceus*.

COLOUR. Column: a rich chestnut anteriorly, fading into a pellucid buff or drab posteriorly; the front edge of this colour is abrupt, and forms a serrated marginal line.

Disk pellucid whitish, separated from the tentacles by a broad ring of dark brown.

Tentacles: the peripheral rows barred alternately with white and brown—four to six bands of each colour, which is more opaque or more pellucid in different specimens. The gular tentacles dark chestnut-brown.

SIZE. Six inches in length when extended, with a thickness varying from half an inch to one-fourth.

LOCALITY. Menai Strait.

The specific name I have selected in honour of Mr. William Alford Lloyd, whose talent and enterprise have done so much for aquarian zoology. The species has been obtained in some plenty by that gentleman, who first introduced it to notice in the spring of 1856.

VIII.—*Characters of some apparently undescribed Ceylon Insects.*

By F. WALKER.

[Continued from vol. ii. p. 286.]

Fam. Cicindelidæ.

TRICONDYLA TUMIDULA. Atræ, thorace brevi fusiformi glabro nitente lateribus subconvexis, elytris convexis fusiformibus rude

et conferte scabris lateribus subconvexis, femoribus rufis. Long. 9 lin.

TRICONDYLA SCITISCABRA. Atra, thorace angusto subconvexo vix nitente antice attenuato sulcis scitissimis transversis, elytris fusi-formibus subconvexis scitissime et confertissime scabris. Long. $6\frac{1}{2}$ –7 lin.

Fam. Carabidæ.

DROMIUS REPANDENS. Ferrugineus, capite nigro, thorace piceo cordato marginato sulcato, elytris conferte lineatis extus nigriscantibus. Long. $1\frac{3}{4}$ lin.

COLPODES? MARGINICOLLIS. Niger, nitens, clypeo conico fulvescente, antennis pedibusque testaceis, thorace subrotundato late marginato, vitta lateribusque testaceis, angulis posticis obtusis, elytris lineatis, maculis quatuor angulosis margineque testaceis. Long. $2\frac{3}{4}$ lin.

PLATYSMA RETINENS. Nigrum, nitens, capite bifoveolato, thorace sulcato postice bifoveolato, elytrorum striis bene determinatis, antennis piceis basi nigris. Long. 7 lin.

HARPALUS DISPELLENS. *Fœm.* Niger, capite utrinque impresso, thorace sulco brevi discali, elytris apice oblique emarginatis, striis bene determinatis, punctis nonnullis discalibus plurimisque marginalibus, palpis apice ferrugineis, antennis ferrugineis basi piceis. Long. 5 lin.

DRIMOSTOMA? MARGINALE. Nigro-æneum, palpis antennis pedibusque fulvis, thorace abdomineque fulvo marginatis, thorace sulcato postice subretracto, angulis posticis bene determinatis, elytris scite striatis margine fulvo apud apices dilatato. Long. 3 lin.

Fam. Dytiscidæ.

HYDROPORUS INEFFICIENS. Testaceus, thorace maculis duabus posticis transversis nigris, elytris cinereis glabris testaceo strigatis basi nigris. Long. $\frac{3}{4}$ lin.

Fam. Gyrinidæ.

GYRINUS DISCIFER. Ater, margine tenui pedibusque testaceis, abdominis apice acutissimo, thorace et elytrorum margine lato (postice latissimo) tomentoso. Long. $3-3\frac{3}{4}$ lin.

Fam. Staphylinidæ.

OCYPUS LINEATUS. Piceus, tomentosus, subsetosus, elytris badiis, pedibus fulvescentibus, femoribus supra nigro strigatis. Long. 5 lin.

PHILONTHUS PEDESTRIS. Ater, capite thoraceque nitentibus, thorace punctato-trilineato, coxis femoribusque anticis fulvescentibus. Long. $3\frac{1}{2}$ lin.

XANTHOLINUS INCLINANS. Ferrugineus, nitens, capite abdomineque

nigris, antennis nigris basi testaceis, pedibus testaceis. Long. $1\frac{2}{3}$ lin.

SUNIUS? OBLIQUUS. Rufus, capite abdomineque nigris, antennis nigris apice rufescentibus, elytris nigro suboblique lateque vittatis, abdominis segmentis rufescente marginatis. Long. 3 lin.

PROGNATHA TENUIS. Atra, nitens, glabra, capite thoraceque depressis, antennis rufescentibus subclavatis, thorace cordato, elytris testaceis, abdominis segmentis testaceo marginatis, tibiis tarsisque rufescentibus. Long. $1\frac{2}{3}$ lin.

OSORIUS? COMPACTUS. Ater, crassus, cylindricus, nitens, punctatus, antennis pedibusque rufescentibus, elytris abdomine vix brevioribus. Long. $1\frac{3}{4}$ lin.

OXYTELUS BICOLOR. Rufescens, latiusculus, capitis vertice nigro, thorace tricarinato, elytris nigricante nebulosis, abdominis segmentis nigro marginatis, antennis nigricantibus basi rufescentibus, pedibus testaceis. Long. $2\frac{1}{4}$ – $2\frac{1}{2}$ lin.

TROGOPHLEUS? TAPROBANÆ. Ater, nitens, gracilis, subtilissime punctatus, antennis pedibusque pallide rufescentibus. Long. 1 lin.

ALEOCHARA TRANSLATA. Nigra, palpis, elytris basi, abdominis dimidio basali pedibusque rufis. Long. $1\frac{1}{4}$ lin.

ALEOCHARA SUBJECTA. Nigra, latiuscula, nitens, antennis nigris robustis basi testaceis, pedibus testaceis, femoribus posticis supra nigricantibus. Long. $\frac{1}{2}$ – $\frac{2}{3}$ lin.

DINARDA SERRICORNIS. Nigro-picea, antennis basi ferrugineis, articulo 1° longo subtumido, 2° parvo, 3° et sequentibus subtrigonis, 11° subfusiformi, thorace subquadrato sulcato, elytris conferte punctatis, pedibus ferrugineis. Long. $3\frac{1}{2}$ lin.

Fam. Pselaphidæ.

Genus PSELAPHANAX.

Corpus subsetosum. Caput latum, postice petiolatum. Antennæ filiformes, corporis dimidio longiores. Thorax subglobosus, subfusiformis, postice coarctatus. Elytra convexa. Abdomen elytra vix superans. Pedes longiusculi.

PSELAPHANAX SETOSUS. Ater, subsetosus, nitens, antennis rufescentibus, articulis 4°–7° nigris, 8° et 9° albis, pedibus albidis, femoribus apices versus nigricantibus. Long. $1\frac{3}{4}$ lin.

Fam. Scydmaenidæ.

SCYDMÆNUS MEGAMELAS. Ater, nitens, hirtus, capite thoraceque parvis, antennis submoniliformibus corpore vix brevioribus, elytris convexis latiusculis. Long. 1 lin.

Fam. Nitidulidæ.

NITIDULA SUBMACULATA. Fulvescens, conferte punctata, antennis

testaceis apice nigris, elytris maculis quatuor indistinctis nigricantibus. Long. 1 lin.

MELIGETHES RESPONDENS. Nigra, lata, lævis, subnitens, antennis pedibusque piceis. Long. $1\frac{1}{2}$ lin.

Fam. Trogositidæ.

TROGOSITA RHYZOPHAGOIDES. Ferruginea, angusta, antennis nigris subclavatis apice ferrugineis, capite thoraceque subpunctatis, elytris scite striatis. Long. $1\frac{3}{4}$ lin.

Fam. Cucujidæ.

CUCUJUS? INCOMMODUS. Testaceus, antennis apices versus obscurioribus corporis dimidio longioribus, elytris guttis duabus discalibus fuscis. Long. $1\frac{1}{4}$ lin.

SILVANUS SCUTICOLLIS. Ferrugineus, capite thoraceque conferte punctatis, antennis clavatis corporis dimidio brevioribus, thorace elongato, disco plano subcarinato, elytris striatis. Long. $1\frac{1}{4}$ lin.

SILVANUS PORRECTUS. Ferrugineus, angustus, capite thoraceque conferte punctatis, antennis clavatis corporis dimidio vix brevioribus, thorace longissimo, disco plano, elytris punctato-striatis. Long. $1\frac{1}{4}$ lin.

Fam. Lathridiadæ.

CORTICARIA RESECTA. Picea, nitens, antennis nigris, pedibus testaceis, elytris scite lineato-punctatis. Long. $\frac{1}{2}$ lin.

Fam. Dermestidæ.

ATTAGENUS? RUFIPES. Nigro-piceus, subovatus, nitens, subtilissime punctatus, palpis antennis pedibusque rufis. Long $1\frac{1}{2}$ lin.

Fam. Byrrhidæ.

Genus INCLICA.

= *Cœnobius* Suff. Fam. Crypticidæ

Corpus ellipticum, crassum, convexum. Antennæ gracillimæ, subclavatæ, corporis dimidio breviores; articulus 1^{us} elongatus; 2^{us} mediocris; 3^{us} et sequentes minuti, rotundi. Abdomen alas posticas paullo superans. Pedes crassi, breves.

INCLICA SOLIDA. Nigra, nitens, glabra, elytrorum striis optime determinatis, antennis testaceis apice nigris, pedibus fulvis, femoribus posterioribus nigris, tibiis posterioribus nigricante late fasciatis. Long. $\frac{3}{4}$ lin.

Fam. Histeridæ.

HISTER MUNDISSIMUS. *H. Scævola* et *H. chinensi* simillimus at distinctus. Ater, nitens, glaber, mandibulis magnis inæqualibus, dextra dentibus duobus parvis acutis, sinistra longiore magis arcuata dentibus duobus majoribus subacutis, thoracis sulcis duobus lateralibus postice abbreviatis, elytris obscuris, striis optime deter-

minatis, 1^a aut marginali abbreviata, 2^a 3^a et 4^a integris, 5^a subabbreviata, 6^a valde abbreviata. Long. $3\frac{1}{2}$ lin.

Fam. Dynastidæ.

XYLOTRUPES REDUCTUS. *Mas.* Rufo-piceus, subtus rufescens fulvopilosus, capitis cornu brevi retracto apice conico, thorace sublævi excavato, elytris subobsolete punctato-lineatis, lineis suturalibus distinctis. *Fcem.* Capite inermi, thorace non excavato. Long. $7\frac{1}{2}$ lin.

XYLOTRUPES SOLIDIPIES. *Fcem.* Rufus, subpunctatus, subtus vix pilosus, capite transverse carinato, thorace convexo, tibiis crassissimis. Long. $7\frac{1}{2}$ lin.

PHILEURUS DETRACTUS. *Fcem.* Niger, vix nitens, capite punctato, antennis palisque rufis, thorace marginato subtilissime punctato, elytris punctato-lineatis. Long. 4– $4\frac{1}{2}$ lin.

ORPHNUS DETEGENS. *Mas.* Niger, nitens, parce punctatus, subtus rufescens, capite cornu erecto, thorace valde excavato, carinis lateralibus cornutis. *Fcem.* Capite inermi, thorace plano. Long. 3– $3\frac{1}{2}$ lin.

Fam. Melolonthidæ.

MELOLONTA RUBIGINOSA. Ochraceo-rubiginosa, subtus testaceo-albida, scutello pallido, abdominis lateribus albis, elytris apicem versus subgibbosis. Long. 15 lin.

MELOLONTA FERRUGINOSA. Ferrugineo-picea, pallide tomentosa, subtus cano-pilosa, antennarum laminis rufescentibus, elytris apicem versus subgibbosis. Long. 13 lin.

MELOLONTA PINGUIS. Picea, subnitens, non tomentosa, pilis subtus nonnullis pallidis, capite dense punctato, thorace parce punctato, elytris rufescentibus parce punctatis apicem versus abrupte deflexis. Long. 9 lin.

MELOLONTA SETOSA. Picea, obscura, subpruinosa, rude punctata, pilis raris longis pallidis induta, subtus ferruginea, elytris apicem versus abrupte deflexis. Long. 10 lin.

RHIZOTROGUS HIRTIPECTUS. Rufescens, nitens, subpunctatus, pilis paucis longis indutus, pectore pilis testaceis dense vestito, capite nigricante conferte punctato. Long. 7 lin.

RHIZOTROGUS ÆQUALIS. Rufescente-testaceus, nitens, conferte punctatus, vix pilosus, capite marginato transverse bicarinato, elytrorum lateribus subundulatis, sulcis duobus humeralibus indistinctis. Long. $5\frac{1}{2}$ lin.

RHIZOTROGUS COSTATUS. Ferrugineus, nitens, vix tomentosus, confertissime punctatus, capite marginato antice inciso, elytris subquadricostatis, carinis duabus transversis subapicalibus, pedibus rufis. Long. 5 lin.

RHIZOTROGUS INDUCTUS. Piceus, vix nitens, conferte punctatus,

subtus rufescens, elytris apicem versus abrupte deflexis. Long. 5 lin.

RHIZOTROGUS EXACTUS. Ferrugineus, subnitens, confertissime punctatus, cano-tomentosus, clypeo vix inciso, elytris subquadricostatis, thoracis lateribus subangulatis. Long. 5 lin.

TRIGONOSTOMA NANA. Testacea, nitens, capite thoraceque subtilissime punctatis, elytris rude lineato-punctatis. Long. $2\frac{1}{2}$ lin.

POPILLIA DISCALIS. Viridis, nitens, subtus cano-pilosa, thoracis lateribus testaceo-pubescentibus, abdominis lateribus tomento albedo maculatis, elytrorum vittis duabus discalibus abbreviatis rufescentibus, pedibus ex parte rufescentibus. Long. $3\frac{1}{2}$ lin.

SERICESTHIS ROTUNDATA. Rufescenti-picea, lata, iridescenti-tomentosa, clypeo punctato nitente, thorace velutino, elytris subtiliter lineato-punctatis. Long. 4 lin.

SERICESTHIS SUBSIGNATA. Nigra, nitens, parce hirta, subtus iridescenti-tomentosa, clypeo rude punctato, thorace viridi subtilissime punctato, elytris subtiliter lineato-punctatis, lineolis quatuor basalibus rufescentibus. Long. $3\frac{3}{4}$ lin.

SERICESTHIS MOLLIS. Rufescens, subvelutina, subiridescenti-tomentosa, capite nitente punctato, thorace subtilissime punctato, elytris subtiliter lineato-punctatis. Long. 3 lin.

SERICESTHIS CONFIRMATA. Rufescens, subvelutina, sat angusta, iridescenti-tomentosa, capite punctato nitente, thorace subpunctato, elytrorum lineis bene determinatis subtiliter punctatis. Long. $2\frac{3}{4}$ lin.

PLECTRIS SOLIDA. Ferruginea aut nigra, nitens, crassa, testaceo-pilosa, scite et conferte punctata, clypeo brevi. Long. $3-3\frac{1}{4}$ lin.

ISONYCHUS VENTRALIS. Cupreo-viridis, parce pilosus, capite thoraceque subtilissime punctatis, abdomine testaceo, macula apicali viridi, elytris punctato-lineatis, maculis duabus posticis furcatis maculisque duabus basalibus fulvis. Long. $3\frac{1}{4}$ lin.

ISONYCHUS PECTORALIS. Niger, nitens, vix pilosus, capite thoraceque subtiliter punctatis, pectore abdomine pedibusque subtus rufescentibus, elytrorum lineis vix punctatis. Long. $3\frac{1}{4}$ lin.

OMALOPLIA FRACTA. Testacea, nitens, capite viridi depresso confertissime punctato, thorace scite et conferte punctato, disco viridi, elytris punctato-lineatis, plaga basali, strigis duabus humeralibus, duabus suturalibus posticis duabusque externis subapicalibus viridibus, tibiis posticis viridibus. Long. $3-3\frac{1}{2}$ lin.

OMALOPLIA INTERRUPTA. Viridi-cuprea, nitens, pilosa, capite rude punctato, thorace scite punctato, maculis duabus posticis marginalibus testaceis, elytris testaceis punctato-lineatis, strigis nonnullis nigro-viridibus. Long. $2\frac{1}{2}$ lin.

OMALOPLIA SEMICINCTA. Testacea, nitens, capite thoraceque viridibus subtilissime punctatis, capite antico thoracisque margine

testaceis, elytrorum lineis rude punctatis, macula basali margine suturaque viridibus, pectore viridi. Long. 2–2 $\frac{1}{4}$ lin.

OMALOPLIA HAMIFERA. Testacea, nitens, capite viridi confertissime punctato linea transversa testacea, thorace viridi scite punctato vitta margineque testaceis, abdominis lineis punctatis, vitta suturali hamata antice abbreviata lineisque duabus marginalibus interruptis viridibus, pedibus ex parte pectoreque viridibus. Long. 2 lin.

ANOMALA HUMERALIS. Testacea, nitens, capite piceo confertissime punctato, thorace scitissime punctato, elytris punctato-lineatis, sutura maculisque duabus humeralibus nigris, tarsis piceis. Long. 7 $\frac{1}{2}$ lin.

ANOMALA DISCALIS. Testacea, nitens, capite thoraceque scitissime punctatis viridi marginatis, elytris punctato-lineatis, sutura margineque nigricantibus, abdominis lateribus nigro fasciatis, fascia postica viridi, pedibus ex parte viridibus. Long. 5 $\frac{1}{2}$ lin.

ANOMALA CONFORMIS. Testacea, nitens, capite piceo confertissime punctato, clypeo ferrugineo, thorace scitissime punctato, elytrorum lineis vix punctatis, sutura picea. Long. 4 lin.

ANOMALA PUNCTATISSIMA. Æneo-viridis, nitens, confertissime punctata, palpis antennisque ferrugineis, elytris lineato-punctatis, tarsis piceis. Long. 4 lin.

MIMELA VARIEGATA. Viridis, nitens, subtus testaceo varia, capite thoraceque glabris, capite antico thoracisque lateribus luteis, elytris punctato-lineatis, maculis duabus discalibus strigisque duabus transversis anterioribus et exterioribus luteis. Long. 5 $\frac{1}{2}$ –6 $\frac{1}{2}$ lin.

Fam. Trichiadæ.

VALGUS ADDENDUS. Piceus, depressus, subtus cinereo-tomentosus, elytris punctato-lineatis cinereo subtrifasciatis. Long. 1 $\frac{3}{4}$ lin.

[To be continued.]

IX.—Note on *Squilla* Mantis, *Rondel*.

By JAMES YATE JOHNSON, Esq.

To the Editors of the Annals of Natural History.

GENTLEMEN,

Madeira, Nov. 15, 1858.

Having obtained a fine specimen of the Crustacean *Squilla* *Mantis*, *Rondel*., from deep water off this island, and having gone carefully over Mr. Bell's description of this species in his excellent 'History of the British Stalk-eyed Crustacea,' I beg leave to send you a note of several points, partly in addition to, partly in correction of, Mr. Bell's description, which appears to



Walker, Francis. 1859. "Characters of some apparently undescribed Ceylon insects (continued)." *The Annals and magazine of natural history; zoology, botany, and geology* 3, 50–56.

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