

believe we have a proof in twelve females of *Maia Squinado*, isolated in a basin, all of which have produced eggs a second time without another copulation, at the very moment when the last eggs of the preceding gestation had been hatched.

Such, amongst the numerous facts which we have observed, are those which I have thought it advisable to communicate at present to the Academy. At a subsequent meeting we shall present the general results of our observations upon the first metamorphoses of the Crustacea. From these observations it results that all the known *Zoëas* described by various authors are the larvæ of Brachyurous Decapods, and that it is not demonstrated that the typical *Zoëa* of Bosc is, as usually supposed, an embryo of the Edible Crab of our coasts, and still less of the Lobster.

In order that the investigations which have furnished us with these facts may not be interrupted during our absence, the pilot Guillou keeps a register, in which, in conformity with instructions drawn up beforehand, and which he follows with sagacity, he inscribes, at the number corresponding to each cell, whatever bears upon the experiments carried on therein. As soon as an interesting fact is exhibited, he informs us of it; and if the fact be of a nature capable of verification in Paris, he sends us the animals presenting it; in the contrary case, one of us goes to Concarneau to study the phænomenon on the spot.

XXIII.—*Characters of some apparently undescribed Ceylon Insects.* By F. WALKER.

Order COLEOPTERA.

Fam. Cicindelidæ.

CICINDELA DISCREPANS. Atræ, elytris guttis duabus humeralibus vittisque duabus postice macularibus flavis, femoribus cupreis. Long. $6\frac{1}{2}$ –8 lin.

TRICONDYLA FEMORATA. Nigra, transverse rugulosa, prothorace sublineari antice coarctato, femoribus piceis, tibiis tarsisque cyaneis. Long. 10 lin.

Fam. Carabidæ.

CYMINDIS RUFIVENTRIS. Ater, nitidus, antennis piceis, thorace sulcato, abdomine subtus rufo, elytrorum sulcis parallelis punctatis bene determinatis, pedibus piceis, femoribus crassis. Long. 4 lin.

DROMIUS MARGINIFER. Niger, nitidus, subtus piceus, palpis antennisque fulvescentibus, thoracis lateribus rufescentibus, elytrorum maculis duabus magnis humeralibus duabusque minoribus posticis discalibus rufescentibus. Long. $2\frac{1}{2}$ lin.

LEBIA BIPARS. Rufa, thorace subsulcato sat angusto, elytris atris sat latis tenuiter sulcatis. Long. 3 lin.

CATASCOPUS REDUCTUS. Viridi-niger, capite magno sulcis duobus lateralibus, thoracis sulco dorsali distincto, sulco brevi transverso antico arcuato, elytrorum sulcis punctatis bene determinatis. Long. $4\frac{1}{2}$ lin.

SCARITES OBLITERANS. Niger, nitens, thorace subcordato, sulco tenui antice abbreviato, elytris subconvexis marginatis, sulcis paucis vix conspicuis, tibiis anticis fortiter bidentatis. Long. $6\frac{1}{2}$ lin.

SCARITES SUBSIGNANS. Niger, nitidus, capite bisulcato, thorace subquadrato subsulcato, elytris subconvexis marginatis, sulcis sex distinctis, tibiis anticis fortiter bidentatis. Long. $6\frac{1}{2}$ lin.

SCARITES DESIGNANS. Niger, nitidus, capite bisulcato foveis duabus transversis, thorace quadrato sulcato, elytris convexis, sulcis quinque distinctissimis, pedibus anticis incrassatis, tibiis fortiter tridentatis. Long. 7-8 lin.

CLIVINA RECTA. Nigro-picea, linearis, antennis pedibusque piceis, thorace sulcato, elytrorum sulcis distinctis. Long. $3\frac{1}{2}$ lin.

MORIO TROGOSITOIDES. Niger, depressus, vix nitidus, capite bisulcato, thorace subcordato sulcato postice bifoveolato, elytrorum sulcis distinctissimis, tibiis anticis fortiter bidentatis. Long. $6\frac{1}{2}$ lin.

MORIO CUCUJOIDES. Niger, depressus, nitidus, corpore subtus pedibusque rufis, capite bisulcato, thorace subcordato sulcato postice bifoveolato, elytrorum sulcis distinctissimis, tibiis anticis fortiter bidentatis. Long. $5\frac{1}{2}$ lin.

LEISTUS? LINEARIS. Niger, nitidus, capite antico, corporis disco subtus, antennis pedibusque testaceis, thorace subcordato bifoveolato, elytris sulcatis. Long. 3 lin.

CARDIADERUS SCITUS. Niger, nitidus, antennis ferrugineis, thorace sulcato transverse foveolato, elytris subnitidis, sulcis scitis approximatis, pedibus testaceis. Long. $2\frac{1}{2}$ lin.

ANCHOMENUS ILLOCATUS. Niger, nitidus, thorace sulcato, elytrorum sulcis distinctis, pedibus rufescentibus. Long. $2\frac{1}{2}$ lin.

AGONUM PLACIDULUM. Nigrum, nitidum, thorace foveis duabus posticis, elytrorum sulcis distinctis, pedibus piceis. Long. $2\frac{1}{2}$ lin.

PANAGÆUS RETRACTUS. Niger, subtus fulvus, thorace subcordato sulcato postice contracto, elytris luteo quadriplagiatis, pedibus testaceis. Long. 3 lin.

Genus **MARAGA.** = *Orthogonioides*.

Caput transversum, sublæve, planum. Oculi magni. Palpi breves, subsecuriformes. Antennæ capite thoraceque paullo longiores, articulis longiusculis. Thorax transversus, postice latus angulatus, antice rotundatus, lateribus subconvexis. Elytra marginata, apice

- truncata, thorace latiora, sulcis optime determinatis. Pedes validi, breviusculi, femoribus crassis, posticis bidentatis, tibiis subsetosis.
- MARAGA PLANIGERA.** Niger, capite antico corporeque subtus fulvis, antennis, pedibus necnon thoracis et elytrorum marginibus piceis, coxis et femoribus testaceis, femoribus posterioribus nigro vittatis. Long. 4 lin.
- ARGUTOR DEGENER.** Niger, nitidus, thorace subcordato sulcato, elytris tenuiter sulcatis, pedibus ferrugineis. Long. $2\frac{1}{2}$ lin.
- ARGUTOR RELINQUENS.** Niger, nitidus, thorace subrotundato, elytris sulcatis, pedibus ferrugineis. Long. 2 lin.
- HARPALUS STOLIDUS.** Niger, nitidus, thorace subpunctato, elytris sulcatis nigro-viridibus, pedibus ferrugineis. Long. $2\frac{1}{2}$ –3 lin.
- CURTONOTUS COMPOSITUS.** Niger, nitidus, antennis piceis, thorace subsulcato, elytris sulcatis subobscuris, pedibus rufescentibus. Long. $3\frac{1}{2}$ lin.
- SELENOPHORUS INFIXUS.** Niger, nitidus, thorace utrinque apud marginem posticum impresso, elytris nigro-æneis sulcatis, pedibus piceis. Long. 2 lin.
- ACUPALPUS DEROGATUS.** Niger, nitidus, elytris sulcatis, pedibus rufescentibus. Long. $1\frac{1}{2}$ lin.
- ACUPALPUS EXTREMUS.** Niger, nitidus, thorace subrotundato, elytris non sulcatis, pedibus piceis. Long. $\frac{3}{4}$ lin.
- BEMBIDIUM FINITIMUM.** Niger, nitidus, thorace subrotundato, elytris postice fulvo bimaculatis. Long. 1 lin.

Fam. Dytiscidæ.

- DYTISCUS EXTENUANS, mas.** Ater, nitidus, capitis margine antico et thoracis lateribus luteis, elytris vitta submarginali postice attenuata et apices non attingente. Long. 8 lin.
- HYDATICUS DISCINDENS, mas.** Ater, nitidus, capite antico thoracisque lateribus latissime luteo marginatis, elytris linea submarginali apud medium dislocata, fascia antica utrinque flexuosa, lineolis exterioribus postmediis guttaque utrinque postica luteis. Long. 6 lin.
- HYDATICUS FRACTIFER, mas.** Ater, nitidus, capite antico thoracisque lateribus latissime luteo marginatis, elytrorum fascia guttulari antica lineolisque marginalibus luteis. Long. $5\frac{1}{2}$ lin.
- COLYMBETES INTERCLUSUS.** Ater, capite antico, thoracis lateribus latis, elytrorum fascia lata basali et vitta marginali postice attenuata luteo-ferrugineis. Long. $5\frac{1}{2}$ lin.
- HYDOPORUS INTERPULSUS.** Niger, crassus, capite, thoracis fascia latissima et elytrorum margine tenui luteo-ferrugineis. Long. $1\frac{3}{4}$ lin.
- HYDOPORUS INTERMIXTUS.** Niger, latus, thoracis lateribus, elytrorum fascia lata basali et margine tenui postice dilatata luteo-ferrugineis. Long. $1\frac{3}{4}$ lin.

HYDROPORUS LÆTABILIS. Luteus, elytris nigris, fasciis duabus abbreviatis luteis, 1^a lata interrupta, 2^a integra. Long. 1 lin.

Fam. Gyrinidæ.

DINEUTES INDICANS. Chalybeus, subtus ferrugineus, capitis lateribus subcupreis, elytris extus impressis, apice truncatis et angulatis, tibiis anticis spinosis. Long. 7 lin.

GYRINUS OBLIQUUS. Æneo-chalybeus, elytrorum carinis sulcisque alternis bene determinatis, pedibus ferrugineis. Long. 3 lin.

Fam. Staphylinidæ.

OCYPUS LONGIPENNIS. Niger, punctatissimus, subtus piceus, antennis pedibusque piceis, thorace carinato, elytris longiusculis. Long. 4 lin.

OCYPUS CONGRUUS. Cyaneo-niger, subpunctatus, subtus piceus, antennis, pedibus elytrisque piceis, thorace e punctis bilineato, abdomine nigro, segmentorum marginibus posticis piceis. Long. 5 lin.

OCYPUS PUNCTILINEA. Nigro-æneus, capite et thorace glabris nitentibus, capite punctis lateralibus, antennis pedibusque piceis, thorace e punctis bilineato, elytris punctatissimis, abdomine nigro. Long. 4½ lin.

XANTHOLINUS CINCTUS. Niger, capite thoraceque nitentibus, antennis piceis, pedibus piceo-ferrugineis, elytris lividis basi nigris. Long. 2½ lin.

PÆDERUS ALTERNANS. Ater, thorace et abdominis bis triente basali rufis, elytris nigro-cyaneis. Long. 3 lin.

PROGNATHA DECISA. Atra, plana, capite thoraceque nitentibus, capite lato, thorace obcordato, elytris testaceis, apud marginem interiorem apice excepto nigris. Long. 2 lin.

OXYTELUS RUDIS. Niger, sat latus, antennis pedibusque ferrugineis, thorace elytrisque punctatissimis, thorace unisulcato subcordato. Long. 2½ lin.

OXYTELUS PRODUCTUS. Niger, longiusculus, sat angustus, ore pedibusque ferrugineis, thorace elytrisque punctatissimis, thorace unisulcato subcordato. Long. 2 lin.

OMALIUM FILIFORME. Nigrum, nitens, longum, planum, perangustum, antennis validis, pedibus fulvis. Long. 1¾ lin.

ALEOCHARA POSTICA. Nigra, nitida, *A. fuscipedi* simillima, pedibus ferrugineis, abdominis apice piceo-ferruginea. Long. 2¼–3 lin.

Fam. Scydmanidæ.

Genus ERINEUS.

Corpus convexum, rude punctatum, dense pubescens. Caput postice maximum, subdilatatum. Palpi clavati. Antennæ subclavatæ,

geniculatæ, pilosæ; articulus 1^{us} longus, 2^{us} et sequentes oblongi, subæquales. Thorax subquadratus. Elytra oblonga. Pedes validi, pilosi.

ERINEUS MONSTROSUS. Piceus, subtus nigricans, capite antico femoribusque nigricantibus. Long. 3 lin.

Fam. Phalacridæ.

PHALACRUS CONJICIENS. Piceus, nitens, subellipticus, thorace lævi, elytris striatis. Long. $\frac{4}{5}$ lin.

PHALACRUS CONFECTUS. Testaceus, suborbicularis, nitens, thorace lævi, elytris subtilissime striatis. Long. $\frac{1}{2}$ lin.

Fam. Nitidulidæ.

NITIDULA CONTEGENS. Nigra, elytris basi (margine excepto) et apud suturam (triente apicali excepta) testaceis. Long. $1\frac{1}{2}$ lin.

NITIDULA INTENDENS. Parva, testacea, elytris subtomentosis truncatis. Long. $\frac{2}{3}$ lin.

NITIDULA SIGNIFICANS. Parva, testacea, nitens, elytris nigro quadrimaculatis. Var. elytrorum maculis subobsoletis. Long. $\frac{3}{4}$ lin.

NITIDULA? TOMENTIFERA. Fusca, capite thoraceque cinereo-pubescentibus, elytrorum fasciis interruptis cano-tomentosis. Long. $1\frac{2}{3}$ lin.

Genus NITIDULOPSIS.

Nitidulæ valde affinis, *Anthobio* simillima. Abdomen elytris duplo longius.

NITIDULOPSIS ÆQUALIS. Picea, depressa, subtus ferrugineo-picea, elytris testaceis, pedibus pallide testaceis. Long. $1\frac{1}{4}$ lin.

RHYZOPHAGUS PARALLELUS. Niger, linearis, capite sulcis duabus lateralibus, thorace nitente postice retracto et bisulcato, elytris striatis et carinatis, carinis apud latera magis determinatis. Long. $2-2\frac{1}{2}$ lin.

Fam. Colydiadæ.

LYCTUS DISPUTANS. Ferrugineo-piceus, thorace sulcato oblongo subquadrato, elytris scite subsulcatis. Long. $2\frac{1}{2}$ lin.

LYCTUS RETRACTUS. Ferrugineus, subtus rufescens, thoracis lateribus flexis angulatis, elytris subtilissime punctatis et sulcatis. Long. $2-2\frac{1}{2}$ lin.

DITOMA RUGICOLLIS. Picea, thorace sulcis quatuor rugosis, elytris quinque-carinatis, carinis serratis bene determinatis. Long. 1 lin.

Fam. Trogositidæ.

TROGOSITA INSINUANS. Picea, subtus rufescens, capite thoraceque subsulcatis scite punctatis, elytris punctato-sulcatis. Long. 3 lin.

Fam. Cucujidæ.

SILVANUS RETRAHENS. Ferrugineus, capite piceo, elytris subtilissime sulcatis. Long. $1\frac{1}{2}$ lin.

Fam. Lathridiadæ.

LATHRIDIVS PERPUSILLUS. Piceus, minimus, thorace subrotundato, elytris rude tricarinatis. Long. $\frac{1}{3}$ lin.

MONOTOMA CONCINNULA. Testacea, elytris apud medium nigro-bimaculatis. Long. 1 lin.

Fam. Dermestidæ.

ATTAGENUS? DEFECTUS. Niger, pubescens, elytris subtilissime punctatis apice ferrugineis. Long. 1 lin.

TRINODES HIRTELLUS. Ater, minutus, elytris apices versus subhispidis. Long. $\frac{1}{2}$ lin.

Fam. Histeridæ.

PLATYSOMA DESINENS. Atrum, elytrorum sulcis tribus exterioribus completis, 4^a 5^a-que valde abbreviatis, 5^a paullo longiore. Long. $1\frac{3}{4}$ lin.

PLATYSOMA RESTORATUM. Rufescenti-piceum, elytrorum sulcis quinque bene determinatis, tribus exterioribus completis, 4^a 5^a-que abbreviatis æqualibus. Long. $1\frac{3}{4}$ lin.

Fam. Aphodiadæ.

APHODIVS ROBUSTUS. Piceo-ferrugineus, capite utrinque impresso, thorace vage punctato, elytris conferte punctato-sulcatis, femoribus crassis. Long. $2\frac{1}{2}$ lin.

APHODIVS DYNASTOIDES. Ater, antennis piceis, capite subglabro, thorace conferte punctato, elytrorum sulcis subpunctatis bene determinatis. Long. $2\frac{1}{4}$ lin.

APHODIVS PALLIDICORNIS. Niger, capitis margine antico piceo, antennis testaceis, thorace vage subpunctato, elytrorum sulcis punctatis bene determinatis, pedibus ferrugineis. Long. 2 lin.

APHODIVS MUTANS. Niger, subtus luridus, thorace vage punctato, lateribus late margineque postico tenuiter luridis, elytrorum margine lato lurido, vittis discalibus luridis plus minusve distinctis aut obsoletis, pedibus testaceis. Long. $2\frac{1}{4}$ - $2\frac{1}{2}$ lin.

APHODIVS SEQUENS. Niger, capite maculis duabus luridis, thoracis margine late lurido, elytris luridis, disco fusciscente, pedibus testaceis. Var. capite lurido. Long. $1\frac{1}{4}$ - $1\frac{1}{2}$ lin.

PSAMMODIVS INSCITUS. Niger, capite rugoso apud marginem piceo, antennis ferrugineis, thorace rugis quinque transversis non parallelis, elytrorum sulcis plurimis bene determinatis, carinis subtuberculatis. Long. $1\frac{1}{4}$ lin.

Fam. Trogidæ.

TROX INCLUSUS. Niger, capite subtuberculato, antennis testaceis, thorace trisulcato, lateribus impressis, marginibus subangulatis, elytris tuberculoso-tricarinatis, pustulis intermediis minoribus. Long. 4-5 lin.

Fam. Copridæ.

GYMNOPLEURUS SMARAGDIFER. Smaragdino-viridis, subtus obscurior, capite exciso, thorace quadri-impresso, sulco antice obsoleto, elytrorum lineis vix conspicuis. Long. 7 lin.

SISYPHUS SETOSULUS. Niger, capite dentato, thorace elytrisque setosis, thorace scaberrimo, elytrorum carinis plurimis tuberculis indeterminatis, tibiis anticis fortiter tridentatis. Long. 3 lin.

SISYPHUS SUBSIDENS. Niger, capite dentato, thorace elytrisque subsetosis, thorace sublævi, elytrorum carinis paucis indecisis, tibiis anticis subtridentatis. Long. 2 lin.

COPRIS CRIBRICOLLIS. Ater, capite thoraceque confertissime verrucosis, thorace sulco tenui dorsali antice obsoleto, elytris glabris, lineis octo impressis bene determinatis. *Mas.* Capitis cornu recto thoracem paullo superante, thorace carinis duabus dorsalibus abbreviatis, spatio posteriore glabro. *Fœm.* Capitis carina transversa subconica. Long. 7 lin.

COPRIS REPERTUS. Ater, capite verrucoso, thorace sublævi, sulco dorsali antice obsoleto, elytris glabris, lineis octo impressis bene determinatis. *Mas.* Capitis cornu subarcuato thoracem non superante, thorace ruga transversa quadridentata. *Fœm.* Capitis carina transversa brevi elevata bidentata, thoracis carina transversa non dentata. Long. 8 lin.

COPRIS SODALIS, mas. Ater, capite thoraceque conferte punctatis, capite inter oculos tuberculo transverso, thorace carina transversa subobsoleta, sulco dorsali antice obsoleto, elytris glabris, lineis octo impressis bene determinatis. Long. $5\frac{1}{2}$ lin.

COPRIS SIGNATUS, fœm. Ater, capite, thorace elytrisque confertissime punctatis, capite inter oculos tuberculo transverso, thorace carina nulla transversa, sulco dorsali vix conspicuo, elytrorum lineis octo impressis bene determinatis. Long. $4\frac{1}{2}$ -5 lin.

COPRIS DIMINUTIVUS, mas. Ater, pubescens, conferte punctatus, capite cornubus duobus posticis brevissimis, thorace plano, elytrorum lineis impressis indistinctis. Long. $1\frac{1}{2}$ lin.

ONTHOPHAGUS PROLIXUS. Cupreus aut æneo-viridis, punctatus, thorace antice utrinque excavato, sulco dorsali, elytris luridis lineatis, fascia media lata angulata maculaque antica nigris. Long. $2\frac{1}{2}$ -3 lin.

ONTHOPHAGUS GRAVIS, fœm. Niger, parum nitens, capite thoraceque planis punctatissimis, elytrorum lineis impressis planis non bene determinatis. Long. $3\frac{1}{2}$ lin.

ONTHOPHAGUS DIFFICILIS. Ater aut nigro-viridis, capite antice rude punctato, thorace nitidissimo vage punctato, lateribus maculisque duabus posticis nonnunquam obsoletis testaceis, elytris testaceis, lineis impressis punctatis bene determinatis, fasciis sex abbreviatis nonnunquam connexis nigris. Long. $2\frac{1}{2}$ –3 lin.

ONTHOPHAGUS LUCENS. Viridis, capite antice rude punctato, thorace elytrisque confertissime punctatis, elytris testaceis, lineis impressis sat determinatis, fascia media maculari maculisque duabus anticis duabusque posticis nigris. Long. $1\frac{1}{2}$ lin.

ONTHOPHAGUS NEGLIGENS. Viridi- aut cupreo-niger, capite antice rude punctato, thorace punctatissimo, elytris punctatis, lineis impressis non distinctis, maculis duabus apicalibus testaceis. Var. Elytris testaceo plus minusve marginatis, pedibus testaceo variis. Long. $1\frac{1}{2}$ – $2\frac{1}{2}$ lin.

ONTHOPHAGUS MÆRENS, mas. Ater, subpunctatus, capite carina media transversa arcuata, cornubus duobus posticis erectis vix arcuatis, thorace antice utrinque impresso, elytrorum lineis impressis punctatis bene determinatis. Long. 3 lin.

ONTHOPHAGUS TURBATUS. Nigro-viridis, punctatissimus, capite carina media transversa arcuata, thorace sulco dorsali subobsoleto, elytrorum lineis impressis sat determinatis. *Mas.* Capite cornu lanceolato postice subobliquo, thorace antice excavato. *Fœm.* Capite carina transversa postica, thorace carina transversa antica brevissima. Long. 3 lin.

Fam. Sphæridiadae.

SPHÆRIDIDIUM TRICOLOR. Nigrum, nitens, thorace elytrisque testaceo marginatis, elytris antice rufo bimaculatis, spatio apicali testaceo maculas duas nigras subincludente. Long. $1\frac{3}{4}$ lin.

Fam. Hydrophilidæ.

PHILHYDRUS ESURIENS. Lividus, subtus niger, capite nigro, thoracis macula transversa discali fuscescente. Long. $\frac{3}{4}$ lin.

HYDROBIUS STULTUS. Niger, subtilissime et confertissime punctatus, subtus vix nitens, pedibus piceo-nigris. Long. $1\frac{3}{4}$ lin.

Genus DASTARCUS.

Corpus longiusculum. Prothorax sulcatus, punctatus, angulis anticis porrectis acutis, pectoris foveis duabus obliquis. Metascutellum subtus maximum, vix sulcatum. Elytra sulcata, punctata. Pedes crassi, breves.

DASTARCUS POROSUS. Niger, subtus nitens, rude punctatus, prothorace elytrisque rude punctatis carinis ferrugineo-tomentosis, prothoracis carinis duabus undulatis. Long. 4 lin.

[To be continued.]



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