

MONOGRAPHIA CHALCIDITUM.

BY FRANCIS WALKER.

“ ——— the green myriads in the peopled grass.”

VOL. II.

SPECIES COLLECTED BY C. DARWIN, ESQ.

L O N D O N :

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MDCCXXXIX.

MONOGRAPHIA CHALCIDITUM.

VOL. II.

PART I.—AUSTRALIA.

GENUS.—EURYTOMA, *Illiger*.

Mas.—Corpus convexum, fere cylindricum, subnitens, punctatum, parce hirtum: caput transversum, breve, thorace paullo latius: antennæ 13-articulatæ, nodosæ, thorace non longiores; articulus 1^{us}. fusiformis; 2^{us}. cyathiformis; 3^{us}. et 4^{us}. minimi; 5^{us}. et sequentes nodosi, discreti, verticillato-pilosi; clava fusiformis, articulo 10^o. duplo longior: thorax postice angustior: prothorax subquadratus, bene determinatus, latitudine vix longior: mesothoracis scutum transversum, sat magnum; parapsidum suturæ bene determinatæ, postice mutuo accedentes; scutellum obconicum: metathorax magnus, declivis: petiolus sat longus: abdomen compressum, altum, nitens, læve, fere glabrum, apice truncatum, thorace multo brevius: pedes hirti, simplices, subæquales; pro-tarso cuique apice spina longior validior, subarcuata: alæ mediocres; hirsuties ad apices densior, sub nervum vix ulla; nervus humeralis gracilis ulnari longior, ulnaris crassus, radialis brevis, cubitalis radiali paullo brevior; stigma mediocre oblongum furcam emittens ad costam propensus; metalis nervus ulnaris humerali brevior, apice setis 3 hamatis armatus.

Fem.—Caput thoracis latitudine: antennæ 12-articulatæ, clavatæ, thorace breviores; articuli 3^o. ad 10^{um}. latescentes, transversi, approximati; clava ovata, articulo 9^o. latior et plus duplo longior: petiolus brevis: abdomen ovatum, acuminatum, thorace paullo brevius.

Sp. 1. Eur. Pidytes. Mas et Fem. *Atra, antennæ nigræ, pedes nigri fulvo cincti, alæ limpidæ.*

Mas et Fem.—*Atra*: oculi et ocelli rufi: antennæ nigræ: *mas* pedes fulvi; coxæ nigræ; tarsi apice fusci; meso- et metapedum femora nigra, tibiæ piceo-cinctæ: *fem.* pedes obscuriores; tibiæ plerumque nigræ: alæ limpidæ; squamulæ piceæ; nervi picei, basi pallidiores. (Corp. long. lin. $\frac{3}{4}$ — $1\frac{1}{4}$; alar. lin. $1\frac{1}{4}$ — $1\frac{2}{3}$.)

Hobart Town, Van Diemen's Land; and in March at King George's Sound, Australia.

Fem.—Corpus convexum, longum, sublineare, fere cylindricum, obscurum, punctatum, parce hirtum: caput transversum, breve, thoracis latitudine: antennæ clavatæ, graciles, thorace paullo breviores; articulus 1^{us}. gracilis, sublinearis: petiolus brevis: abdomen longiovatum, subcompressum, nitens, læve, fere glabrum, apice acuminatum, thorace vix brevius; segmenta subæqualia: alæ mediocres.

Sp. 2. Eur. Tellis. Fem. *Atra, antennæ nigræ basi fulvæ aut piceæ, pedes nigri fulvo-cincti, tarsi flavi, alæ sublimpidæ.*

Atra, pilis albis vestita: oculi et ocelli rufi: antennæ nigræ; articulus 1^{us}. fulvus, apice piceus; 2^{us}. apice fulvus: oviductus fulvus: pedes nigri; trochanteres fulvi; tibiæ piceæ, basi et apice fulvæ; tarsi flavi, apice fusci; protarsi fulvi: alæ sublimpidæ; squamulæ piceæ; nervi picei, basi pallidiores. (Corp. long. lin. 1; alar. lin. $1\frac{2}{3}$.)

Var. β.—Antennis articulus 1^{us}. piceus.

Sydney, New South Wales.

Fem.—Corpus convexum, sublineare, punctatum, obscurum, parce hirtum: caput thorace vix latius: antennæ clavatæ, robustæ, pilosæ, thorace breviores; articulus 1^{us}. gracilis, sublinearis; 2^{us}. longicyathiformis; 3^{us}. et 4^{us}. brevissimi; 5^{us}. et sequentes breves, usque ad 9^{um}. latescentes; clava longi-conica, articulo 9^o. latior et plus duplo longior: petiolus brevis: abdomen ovatum, subcompressum, nitens, læve, fere glabrum, thorace non longius; segmentum 1^{um}. maximum, 2^{um}. et sequentia brevissima: alæ mediocres.

Sp. 3. Eur. Volux. Fem. *Atra, antennæ nigræ apice piceæ, pedes nigri fulvo-cincti, alæ limpidae.*

Atra: oculi et ocelli rufi: antennæ nigræ, apice piceæ: pedes nigri; trochanteres picei; genua fulva; tibiæ apice fulvæ; tarsi pallide fulvi, apice fusci; propedum tibiæ fulvæ, tarsi fusci: alæ limpidae; squamulæ piceæ; nervi proalis picei, metalis fusci. (Corp. long. lin. $1\frac{1}{2}$; alar. lin. 2.)

Hobart Town, Van Diemen's Land; and in March at King George's Sound, Australia.

Mas.—Corpus convexum, breve, punctatum, obscurum, parce hirtum: caput thorace paullo latius: antennæ nodosæ, verticillato-pilosæ, thorace paullo longiores: petiolus longus: abdomen ovatum, compressum, nitens, læve, fere glabrum, thorace multo brevius et angustius: alæ latæ.

Fem.—Caput thoracis latitudine: antennæ clavatæ, pilosæ, thorace breviores: abdomen longiovatum, subcompressum, apice acuminatum, thorace non brevius.

Sp. 4. Eur. Aretheas. Mas et Fem. *Atra, antennæ nigræ, pedes nigri, tarsi fulvi, alæ limpidae.*

Atra: oculi et ocelli rufi: antennæ nigræ: pedes nigri; trochanteres picei; genua fulva; tibiæ apice fulvæ; tarsi fulvi; propedum tibiæ fulvæ, tarsi obscuriores: alæ limpidae; squamulæ piceæ; nervi proalis picei, metalis fusci. (Corp. long. lin. $\frac{3}{4}$ —1; alar. lin. $1\frac{1}{2}$ — $1\frac{1}{2}$.)

March, King George's Sound, Australia.

Mas.—Corpus convexum, sublineare, punctatum, obscurum, parce hirtum: caput thorace vix latius: antennæ graciles, moniliformes, verticillato-pilosæ, thorace paullo longiores: petiolus sat longus: abdomen ovatum, compressum, nitens, læve, fere glabrum, thorace brevius et angustius: alæ latæ.

Sp. 5. Eur. Eleuther. Mas. *Atra, antennæ nigræ apice piceæ, pedes fulvi piceo et fusco cincti, alæ limpidae.*

Mas.—*Atra*: oculi et ocelli rufi: antennæ nigræ, apice piceæ: pedes fulvi; coxæ piceæ; femora picea, apice fulva; meso- et metatibiæ fusco cinctæ; protarsi fusci: alæ limpidae; squamulæ piceæ; proalis nervi picei, metalis fusci. (Corp. long. lin. $\frac{1}{3}$; alar. lin. $1\frac{1}{2}$.)

Hobart Town, Van Diemen's Land; and in March at King George's Sound, Australia.

Fem.—Corpus longum, angustum, cylindricum, punctatum, parum nitens, parce hirtum: caput thorace paullo latius: antennæ subclavatæ, graciles, corpore breviores: petiolus brevis: abdomen fusiforme, nitens, læve, fere glabrum, thorace vix brevius: alæ angustæ.

Sp. 6. Eur. Olbus. *Fem.* *Atra*, antennæ piceæ basi fulvæ, pedes fulvi, femora piceo cincta, alæ limpidæ.

Atra: oculi et ocelli rufi: antennæ piceæ; articulus 1^{us}. fulvus: pedes fulvi; coxæ piceæ; femora piceo cincta; tarsi apice fuscii: alæ limpidæ; squamulæ fulvæ; nervi fulvi. (Corp. long. 1; alar. lin. 1½.)

Sydney, New South Wales.

GENUS.—ISOSOMA, Walker.

Mas.—Corpus convexum, breve, sublineare, obscurum, punctatum, parce hirtum: caput thorace paullo latius: antennæ moniliformes, sublineares, verticillato-pilosæ, thorace paullo longiores: petiolus sat longus: abdomen ovatum, compressum, nitens, læve, fere glabrum, thorace brevius et angustius: alæ latæ.

Sp. 1. Iso. Ravola. *Mas.* *Atrum*, antennæ nigræ, frons flava, prothoracis latera flavo maculata, pedes nigro-picei, tarsi fulvi, alæ limpidæ.

Atrum: capitis frons flava: oculi et ocelli rufi: antennæ nigræ: prothoracis latera antica flavo maculata: pedes nigri; trochanteres picei; genua fulva; tibiæ piceæ, apice fulvæ; protarsi fulvi, apice fuscii; protibiæ fulvæ, fusco semicinctæ: alæ limpidæ; squamulæ piceæ; proalis nervi picei, metalis fuscii. (Corp. long. lin. $\frac{4}{5}$; alar. lin. 1½.)

Hobart Town, Van Diemen's Land.

Fem.—Corpus convexum, rude punctatum, obscurum, parce hirtum: caput transversum, breve, thorace vix latius; vertex latus; frons excavata, abrupte declivis: oculi mediocres, non extantes; ocelli vertice triangulum fingentes, medius perparum antepositus: antennæ clavatæ, 11-articulatæ, pubescentes, corporis dimidio breviores; articulus 1^{us}. longifusiformis; 2^{us}. et 3^{us}. subrotundi; 4^{us}. longi-cyathiformis; 5^{us}. et sequentes transversii, discreti,

usque ad 8^{um}. curtantes et latescentes; clava longiconica, articulo 8^o. plus duplo longior: thorax longiovatus: prothorax magnus, transversus, subquadratus: mesothoracis scutum longitudine multo latius; parapsidium suturæ optime determinatæ; scutellum subrotundum: metathorax parvus, transversus: pedes validi, simplices, subæquales; tarsi breves: alæ mediocres; nervus humeralis ulnari plus duplo longior, radialis ulnari brevior, cubitalis radiali vix brevior; stigma sat magnum.

Sp. 2. Iso. Oritias. Fem. *Nigro-æneum*, antennæ nigræ, prothoracis latera fulvo maculata, pedes fulvi, femora ænea, alæ limpidæ.

Nigræ-æneum: oculi et ocelli rufi: antennæ nigræ; articuli 1^{us}. et 2^{us}. nigro-ænei: prothorax utrinque fulvo maculatus: pedes fulvi; coxæ æneæ; femora ænea, apice fulva; tarsi flavi, apice fusci; metatibiæ fusco cinctæ: alæ limpidæ; squamulæ piceæ; nervi proalis fusci, metalis fulvi. (Corp. long. lin. 1½; alar. lin. 2½.)

March; King George's Sound, Australia.

GENUS.—MEGASTIGMUS, Dalman.

Sp. 1. Meg. Drances. Fem. *Fulvus nigro-varius*, antennæ nigræ basi fulvæ, oviductus vaginæ abdomine multo longiores, pedes fulvi, alæ limpidæ.

Fulvus, sub-nitens, scite punctatus, fere glaber: capitis vertex niger: os flavum: oculi et ocelli rufi: antennæ nigræ; articulus 1^{us}. fulvus: thorax nigro per medium vittatus: metathorax niger: abdomen læve nitens; segmenta basi nigra: oviductus fulvus; vaginæ nigræ, hirtæ, abdomine multo longiores: pedes fulvi; coxæ piceæ; tarsi apice fusci; metafemora subtus piceo maculata: alæ limpidæ; squamulæ fulvæ; nervi fusci, basi pallidiores; stigma piceum, rotundum, sat magnum. (Corp. long. lin. 1½; alar. lin. 2½.)

Hobart Town, Van Diemen's Land.

Sp. 2. Meg. Borus. Fem. *Flavus fulvo et piceo varius*, antennæ piceæ basi fulvæ, metathorax niger, oviductus vaginæ abdomine non longiores, pedes flavi, alæ limpidæ.

Flavus, sub-nitens, scite punctatus, fere glaber: caput postice nigrum; vertex fulvus: oculi et ocelli rufi: antennæ piceæ; articulus 1^{us}. fulvus: thoracis segmentorum disci fulvi; suturæ piceæ: metathorax niger: abdomen læve, nitens; discus piceus, fulvo-fasciatus: oviductus fulvus; vaginæ nigræ, hirtæ, abdomine non longiores: pedes flavi; tarsi apice fusci: alæ limpidæ; squamulæ flavæ; nervi fusci, basi pallidiores; stigma piceum, rotundum, sat magnum. (Corp. long. lin. $1\frac{1}{3}$; alar. lin. $2\frac{1}{2}$.)

Hobart Town, Van Diemen's Land.

Sp. 3. Meg. Iamenus. Fem. *Fulvus piceo varius, antennæ piceæ basi fulvæ, oviductus vaginæ corporis longitudine, pedes fulvi, alæ limpidæ.*

Fulvus, subnitens, scite punctatus, fere glaber: oculi et ocelli rufi: antennæ piceæ, basi fulvæ: thoracis segmentorum suturæ piceæ: abdominis discus piceo fasciatus: oviductus fulvus; vaginæ nigræ, hirtæ, corporis longitudine: pedes fulvi; tarsi apice fusci: alæ limpidæ; squamulæ fulvæ; nervi fulvi; stigma piceum, rotundum, magnum. (Corp. long. lin. 1; alar. lin. $1\frac{3}{4}$.)

Hobart Town, Van Diemen's Land.

GENUS.—CALLIMOME, *Spinola*.

Mas.—Corpus breve, parvum, convexum, sublineare, nitens, scitissime squameum, parce hirtum: caput thorace paullo latius: antennæ filiformes, validæ, hirtæ, thorace non longiores: thorax longiovatus: prothorax brevis: mesothoracis scutum latitudine fere longius; parapsidum suturæ conspicuæ; paraptera et epimera bene determinata; scutellum ovatum: metathorax mediocris: petiolus crassus, brevissimus: abdomen sublineare, fere planum, thorace brevius et angustius: alæ sat latæ.

Sp. 1. Call. Osinius. *Mas. Viridis æneo-varius, antennæ nigræ, pedes fulvo-virides, alæ limpidæ.*

Viridis: oculi et ocelli rufi: antennæ nigræ; articulus 1^{us}. viridis: thorax subtus æneo-varius: abdomen viridi-æneum; discus æneo-cupreus: pedes æneo-virides; tibiæ fulvæ, viridi-cinctæ;

tarsi fulvi, apice fuscī: alæ limpidæ; squamulæ picetæ; nervi fuscī. (Corp. long. lin. $\frac{5}{4}$; alar. lin. $1\frac{1}{3}$.)

Var. β.—Thoracis discus viridi-æneus.

March; King George's Sound, Australia.

Thorax longiovatus, convexus, nitens, scitissime squameus, parce hirtus: prothorax transversus, parvus, antice angustior: mesothoracis scutum longitudine paullo latius; parapsidum suturæ bene determinatæ; scutellum ovatum: metathorax transversus, mediocris, humilis, postice angustior: pedes simplices, subæquales: alæ amplæ; nervus humeralis ulnari paullo longior, radialis brevissimus, cubitalis adhuc brevior; stigma parvum.

Sp. 2. Call. *Vibidia*. *Cupreus viridi-varius, pedes flavi, femora viridia, alæ limpidæ.*

Thorax cupreus viridi-varius: prothorax viridis: pedes flavi; coxæ virides; femora viridia; meso- et metatarsi pallide flavi, apice fulvi: alæ limpidæ, fulvo vix tinctæ; squamulæ piceæ; nervi proalis fulvi, metalis flavi. (Alar. lin. $2\frac{1}{2}$.)

Sydney, New South Wales.

GENUS.—PALMON, *Dalmon*.

Fem.—Corpus longum, angustum, convexus, scitissime squameum, parum nitens, parce hirtum: caput transversum, breve, thorace paullo latius; vertex sat latus; frons excavata, abrupte declivis: oculi mediocres, non extantes: ocelli vertice triangulum fingentes: antennæ clavatæ, crassæ, apice quasi truncatæ, thorace non longiores; articulus 1^{us}. sublinearis; 2^{us}. longicyathiformis; 3^{us}. et 4^{us}. brevissimi; 5^{us}. et sequentes breves, transversī, usque ad clavam latescentes: thorax sublinearis: prothorax transversus, subquadratus, sat magnus: mesothoracis parapsidum suturæ non bene determinatæ: petiolus brevis: abdomen compressum, læve, nitens, thorace multo brevius et angustius: oviductus vaginæ pubescentes, corpore longiores: metapedum coxæ magnæ, femora maxima ovata subtus dentata, tibiæ arcuatæ: alæ mediocres.

Sp. 1. Pal. *Olenus*. *Fem. Æneo-viridis, antennæ fulvæ, abdomen subtus fulvum, pedes fusco-fulvi, femora viridia, alæ limpidæ.*

Æneo-viridis : oculi et ocelli rufi : antennæ fulvæ : abdomen cyaneo et cupreo-varium, subtus fulvum : oviductus rufus ; vaginæ nigræ : pedes fulvi ; coxæ virides ; femora viridia ; tibiæ fuscae : alæ limpidæ. (Corp. long. lin. 2 ; alar. lin. $2\frac{1}{2}$.)

Sydney, New South Wales.

GENUS.—HOCKERIA, *De Laporte.*

Mas.—Corpus sublineare, convexum, rude punctatum, obscurum, parce hirtum : caput thorace vix latius ; frons profunde excavata : antennæ filiformes, corpore paullo breviores ; pedicellus longus ; articulus 1^{us}. longissimus, arcuatus ; 2^{us}. et sequentes lineares, arcte applicati : prothorax transversus, sat magnus : mesothoracis scutum longitudine latius ; parapsidum suturæ bene determinatæ ; scutellum obconicum : metathorax parvus, declivis : petiolus brevissimus : abdomen ovatum, nitens, læve, basi glabrum, thorace brevius et angustius : metapedum coxæ magnæ, femora ovata maxima, tibiæ arcuatæ : alæ mediocres ; proalis nervus humeralis ulnari triplo longior, radialis longus, cubitalis brevissimus.

Sp. 1. Hoc. Proxenus. *Mas. Atra, tarsi picei aut ferruginei, proalæ fusco semifasciatæ.*

Ater : oculi et ocelli picei : antennæ nigræ : pedes nigri ; gena picea ; tarsi picei aut ferruginei : alæ subfuscæ ; squamulæ piceæ ; nervi proalis picei, metalis fulvi ; proalæ fusco semifasciatæ. (Corp. long. lin. $1\frac{1}{2}$; alar. lin. 2.)

Hobart Town, Van Diemen's Land ; and Sydney, New South Wales.

GENUS.—EUCHARIS, *Latreille.*

Mas.—Corpus convexum, nitens, glabrum, rude et profunde punctatum : caput transversum, brevissimum, thorace paullo latius ; vertex latus, non impressus ; frons abrupte declivis, ad os angusta et fere lævis : oculi parvi, subrotundi : ocelli remoti, medius perparum antepositus : antennæ 13-articulatæ, subfiliformes, biramosæ, graciles, dense pubescentes, thorace vix longiores ; articulus 1^{us}. longus, gracilis, linearis ; 2^{us}. brevi-cyathiformis ; 3^{us}. obconicus, 1^o. longior ; 5^{us}. et sequentium omnis usque ad

12^{um}. breves, sublineares, ramulum longum subclavatum utrinque emittentes: thorax quasi obconicus, latus, altus, gibbus: prothorax minimus, supra non conspicuus: mesothoracis scutum magnum, transversum; parapsidum suturæ bene determinatæ, postice mutuo accedentes; paraptera et epimera conspicua, hæc inter scutum et scutellum occurrentia; scutellum mediocre, subrotundum: metathorax magnus, abrupte declivis: petiolus longus, gracillimus, nitens, lævis: abdomen fusiforme, perangustum, convexum, compressum, nitens, læve, subtus carinatum; segmentum unicum dorsum occupans et ventralia fere obtegens: pedes graciles, simplices, subæquales; coxæ parvæ; tarsis articuli 1^o. ad 4^{um}. curtantes, 5^{us} 4^o. paullo longior; ungues et pulvilli minuti: alæ amplæ; nervus ulnaris humerali multo brevior, radialis sat longus, cubitalis brevissimus stigma fingens punctiforme; metalis nervus unicus simplex costæ dimidio longior.

Sp. 1. Euch. Volusus. Mas. *Cuprea viridi varia, abdomen viridi-æneum, antennæ nigræ, pedes ferruginei, femora viridia, alæ limpidae.*

Mas.—Cuprea: capitis vertex viridis: oculi et ocelli obscure rufi: antennæ nigræ; articuli 1^{us}. et 2^{us}. nigro-cuprei: thorax utrinque et subtus viridi-varius: abdomen viridi-æneum: pedes ferruginei; coxæ virides; femora viridia, apice ferruginea; protarsi obscuriores; ungues et pulvilli fuscii: alæ limpidae; squamulæ ferrugineæ; nervi fulvi; stigma fuscum. (Corp. long. lin. 2½; alar. lin. 3¼.)

“Antennæ 13-jointed, 1st. joint linear, 2^d. very short, cup-shaped, 3^d. obconic, longer than the 1st., 4th. very short, producing above towards the outside a long arched subclavate pilose branch, the following joints to the 12th. inclusive becoming gradually longer and producing a similar branch from the apex, and the exterior ones also a shorter branch towards the inner side; the last five branches of this series are sufficiently distinct, but that of the 8th. joint is reduced to a short tooth. The 13th. joint is as long as the longer branch of the preceding, and like it, subclavate and pilose.”
—Haliday.

March; King George's Sound, Australia.

Mas.—Corpus convexum, nitens, scabre punctatum, pubescens: caput mediocre, transversum, brevissimum, thorace vix latius; vertex latus, non impressus; frons abrupte declivis, ad os angus-

tior : oculi parvi, subrotundi : ocelli approximati, vertice triangulum fingentes : thorax ovatus, gibbus : prothorax brevissimus, supra non conspicuus : mesothoracis scutum latitudine longius : parapsidum suturæ bene determinatæ ; paraptera et epimera magna ; scutellum breve, prominulum, apex abrupte declivis : metathorax magnus, declivis : petiolus longus, gracilis : abdomen ovatum, gibbum, nitens, læve, glabrum, thorace brevius et angustius, segmento unico obtectum : pedes graciles, simplices, pubescentes, subæquales ; coxæ parvæ ; tarsi articuli 1°. ad 4^{um}. curtantes, 5^{um}. 4°. longior ; ungues et pulvilli minuti : alæ amplæ ; nervus ulnaris humerali paullo brevior, radialis longus, cubitalis brevissimus ; nervus unicus simplex costæ dimidio longior.

Sp. 2. Euch. Fausta. Mas. *Viridis cupreo et cyaneo varia, pedes fulvi, femora viridia, alæ limpidae.*

Viridis, cupreo-varia : capitis frons cyaneo-viridis : oculi et ocelli obscure rufi : thorax subtus et postice cyaneo-viridis : abdomen cupreum : pedes fulvi ; coxæ virides ; femora viridia, apice fulva ; tarsi apice fuscii : alæ limpidae ; squamulæ piceæ ; nervi fulvi, apice obscuriores. (Corp. long. lin. 1 $\frac{3}{4}$; alar. lin. 2 $\frac{3}{4}$.)

Hobart Town, Van Diemen's Land.

Mas.—Corpus convexum, parum nitens, rude punctatum, parce pubescens : caput sat magnum, breve, transversum, thorace latius ; vertex latus, non impressus ; frons abrupte declivis : oculi parvi, subrotundi, extantes : ocelli approximati, vertice triangulum fingentes : antennæ 12-articulatæ, filiformes, pubescentes, thorace paullo longiores ; articulus 1^{us}. longus, gracilis, sublinearis ; 2^{us}. cyathiformis ; 3^{us}. longus ; 4^{us}. et sequentes breves, lineares, usque ad 9^{um}. curtantes ; 10^{us}. 11^{us}. et 12^{us}. arcte applicati clavam fingentes fusiformem 9°. duplo longiorem : thorax ovatus : segmentis suturæ bene determinatæ : prothorax brevissimus, supra vix conspicuus : mesothoracis scutum longitudine latius ; parapsides conspicuæ, extantes ; scutellum ovatum, valde convexum : metathorax mediocris, declivis : petiolus perlongus, sat validus : abdomen ovatum, convexum, nitens, læve, glabrum, thorace brevius, apice non truncatum ; segmentum 1^{um}. magnum, dorsi plus dimidium occupans ; 2^{um}. et sequentia brevia : ventralia vix conspicua : pedes simplices, subæquales ; coxæ mediocres ; femora gracilia ; tibiæ rectæ ; tarsi articuli 1°.

ad 4^{um}. curtantes, 5^{um}. 4°. paullo longior: unguis et pulvilli minuti: alæ amplæ; ulnaris humerali paullo brevior, radialis brevis, cubitalis brevissimus stigma fingens punctiforme.

Sp. 3. Euch. Valgius. Mas. *Viridis, antennæ nigræ, abdomen nigro-viride, pedes fulvi, femora viridia, alæ subfuscæ.*

Viridis: oculi et ocelli obscure rufi: antennæ nigræ; articuli 1^{us}. et 2^{us}. virides: abdomen nigro-viride: pedes fulvi; coxæ virides; femora viridia, apice fulva; metatibiæ pallide fuscæ, apice et basi fulvæ; tarsi flavi, apice fuscii; protarsi obscuriores: alæ subfuscæ; squamulæ virides; nervi fuscii. (Corp. long. lin. 1½.; alar. lin. 2½.)

Sydney, New South Wales.

Fem.—Corpus convexum, nitens, rude punctatum, parce pubescens: caput sat magnum, breve, transversum, thorace latius; vertex latus, non impressus; frons abrupte declivis: oculi parvi, subrotundi, extantes: ocelli approximati, vertice in triangulum dispositi: antennæ 12-articulatæ, extrorsum crassiores, pubescentes, thorace fere breviores; articulus 1^{us}. longus, gracilis, sublinearis; 2^{us}. cyathiformis; 3^{us}. et sequentes transversi, usque ad 9^{um}. curtantes; 10^{um}. 11^{um}. et 12^{um}. arcte applicati, clavam fingentes fusi-formem 9°. duplo longiorum: thorax ovatus: segmentis suturæ bene determinatæ: prothorax brevissimus, supra vix conspicuus: mesothoracis scutum longitudine latius; parapsides conspicuæ, extantes; scutellum ovatum, valde convexum: metathorax mediocris, declivis: petiolus longus, sat validus: abdomen ovatum, convexum, nitens, læve, glabrum, thorace brevius, apice non truncatum; segmentum 1^{um}. magnum, dorsi plus dimidium occupans; 2^{um}. et sequentia brevia: ventralia vix conspicua: pedes simplices, subæquales; coxæ mediocres; femora gracilia; tibiæ rectæ; tarsis articuli 1°. ad 4^{um}. curtantes, 5^{um}. 4°. paullo longior: unguis et pulvilli minuti: alæ amplæ, ulnaris humerali paullo brevior, radialis brevis, cubitalis brevissimus stigma fingens punctiforme.

Sp. 4. Euch. Theocles. *Fem. Viridis, antennæ ferrugineæ, abdomen nigro-viride, pedes fulvi, femora viridia, alæ limpidae.*

Viridis: oculi et ocelli obscure rufi: antennæ ferrugineæ: abdomen nigro-viride: pedes fulvi; coxæ virides; femora viridia, apice et

basi fulva; tarsi apice fusci; protarsi pallide fusci: alæ limpidæ; squainulæ virides; nervi fusci. (Corp. long. lin. $1\frac{1}{2}$.; alar. lin. $2\frac{1}{2}$.)

Sydney, New South Wales.

Mas.—Corpus convexum, parum nitens, punctatum, pubescens: caput sat magnum, transversum, breve, thorace paullo latius; vertex convexus, non impressus; frons abrupte declivis: oculi parvi, subrotundi: ocelli approximati, vertice triangulum fingentes: antennæ 11-articulatæ, longi-fusiformes, crassæ, pubescentes, thorace vix longiores; articulus 1^{us}. et 2^{us}. brevissimi; 3^{us}. longus, obconicus; 4^{us}. et sequentes subrotundi, approximati, usque ad clavam decrescentes; 10^{us}. et 11^{us}. minuti, clavam brevem suborbicularem 9^o. fingentes: thorax ovatus: prothorax brevissimus, supra non conspicuus: mesothoracis scutum longitudine latius, parapsidum suturæ optime determinatæ; paraptera et epimera magna; scutellum ovatum, vix convexum: metathorax magnus, declivis: petiolus longus, gracilis: abdomen fusiforme, subcompressum, nitens, scitissime punctatum, parce pubescens, thorace brevius et multo angustius; segmentum unicum dorsum omne occupans; vintralia vix conspicua: pedes validi, recti, simplices, subæquales, pubescentes; coxæ parvæ; tarsi breves, articulus 1^{us}. longus dilatatus, 2^{us}. et sequentes minuti brevissimi; ungues et pulvilli parvi: alæ mediocres; nervus humeralis ulnari paullo brevior, radialis longus, cubitalis brevissimus: metalis nervus unicus simplex costæ dimidio longior.

“The mandibles of this species are very strong. The usual structure of the antennæ may still be traced in it, and the gradual development of the two basal joints seen in *E. Zalates* (which retains some of the development of the metatarsus observable in this) until the 1st. becomes the longest joint, as in the other sub-families, and in some of the *Eucharidæ*, as *E. Xeniades* and *E. furcata*.”—*Haliday*.

Sp. 5. Euch. Iello. *Mas. Viridis, antennæ nigræ, abdomen nigrum, pedes nigro-virides, tarsi picci, alæ sublimpidæ.*

Mas.—Obscure viridis: frons viridi-cyanea: oculi et ocelli obscure rufi: os ferrugineum: antennæ nigræ; articuli 1^{us}. et 2^{us}. nigro-virides: abdomen nigrum: pedes nigro-virides; trochanteres ferruginei; genua ferruginea; tarsi picci: alæ sublimpidæ;

squamulæ piceo-virides; nervi fusci. (Corp. long. lin. $1\frac{3}{4}$; alar. lin. $2\frac{3}{4}$.)

Hobart Town, Van Diemen's Land.

Mas et Fem.—Corpus convexum, parum nitens, hirtum, rude punctatum: caput transversum, brevissimum, thorace fere latius; vertex latus, non impressus; frons abrupte declivis: oculi parvi, subrotundi, extantes: ocelli 3, medius perparum antepositus: antennæ 11-articulatæ, sub-moniliformes, pubescentes, thorace paullo longiores; articuli exteriores *mari* distincti; 1^{us}. mediocris, gracilis; 2^{us}. cyathiformis; 3^{us}. longissimus, subclavatus; 4^{us}. et sequentes subcyathiformes, usque ad 10^{um}. curtantes; 11^{us}. ovatus, 10^o. longior; 9^{us}. 10^{us}. et 11^{us}. *fem.* clavam fingentes ovatam: thorax ovatus, altus, gibbus: prothorax minimus, supra non conspicuus: mesothoracis scutum magnum; parapsidum suturæ bene determinatæ; paraptera et epimera conspicua; scutellum latum, supra brevi-obconicum, postice angulum fingens rectum: metathorax sat magnus, declivis: petiolus brevis, validus: abdomen fusiforme, subcompressum, læve, nitens, hirtum, thorace angustius vix longius; segmentum unicum dorsum omne occupans et ventralia prorsus obtegens: pedes graciles, simplices, pubescentes; coxæ parvæ; tibiæ rectæ; tarsis articulus 1^{us}. longissimus, 2^{us}. brevis, 3^{us}. et 4^{us}. brevissimi, 5^{us} 2^o. vix longior; ungues et pulvilli minuti; metapedes propedibus multo longiores: alæ mediocres, pubescentes; nervus ulnaris humerali multo brevior, radialis longus, cubitalis brevissimus stigma minutum punctiforme fingens: metalis nervus unicus simplex costæ dimidio longior, apice setis uncinatis præditus.

Sp. 6. Euch. Zalates. *Mas et Fem. Nigra, antennæ nigropiceæ, pedes picei, tarsi fulvi, alæ limpidæ.*

Mas et Fem.—Nigra: oculi et ocelli obscure rufi: antennæ nigropiceæ: pedes picei; genua fulva; tibiæ apice fulvæ; tarsi fulvi; ungues et pulvilli fusci; metatarsi basi fusci: alæ limpidæ; squamulæ fuscæ; nervi fusci. (Corp. long. lin. 2; alar. lin. $2\frac{3}{4}$.)

Sydney, New South Wales; and in March, at King George's Sound, Australia.

Mas.—Corpus convexum, parum nitens, rude punctatum, fere glabrum: caput mediocre, transversum, brevissimum, thorace vix latius; vertex latus, non impressus; frons abrupte declivis, ad os

angustior: oculi parvi, subrotundi, extantes: ocelli vertice triangulum fingentes: antennæ subfiliformes, graciles, pubescentes, thorace vix longiores; articulus 1^{us}. longus, gracilis, sublinearis; 2^{us}. cyathiformis; 3^{us}. et sequentes ad 9^{um}. breves, lineares, approximati: thorax ovatus: prothorax brevissimus, supra vix conspicuus: mesothoracis scutum latitudine longius; parapsidum suturæ bene determinatæ; paraptera et epimera magna; scutellum subrhombiforme: metathorax magnus, declivis: petiolus brevis, validus: abdomen ovatum, gibbum, nitens, pubescens, scitissime punctatum, thorace multo brevius et angustius; segmentum 1^{um}. maximum; 2^{um}. et sequentia brevissima: pedes mediocres, simplices, subæquales; coxæ parvæ; femora gracilia; tibiæ rectæ; tarsi articuli 1^o. ad 4^{um}. curtantes, 5^o. 4^o. paullo longior; ungues et pulvilli parvi: alæ mediocres; nervus ulnaris humerali brevior, radialis longus, cubitalis brevissimus; metalis nervus unicus simplex costæ dimidio longior.

Fem.—Caput thorace paullo angustius: petiolus brevissimus: abdomen convexum, thoracis latitudine et longitudine.

Sp. 7. Euch. Eribotes. *Mas et Fem. Viridis, antennæ nigrae, pedes fulvi, femora viridia, alæ sublimpidæ.*

Viridis: capitis frons cyaneo-viridis: oculi et ocelli rufi: antennæ nigrae; articuli 1^{us}. et 2^{us}. virides: pedes fulvi; coxæ virides; trochanteres picei; femora viridia, apice fulva; tarsi pallide fuscii: alæ sublimpidæ; squamulæ virides; nervi picei. (Corp. long. lin. $1\frac{3}{4}$; alar. lin. $2\frac{3}{4}$.)

Hobart Town, Van Diemen's Land; and Sydney, New South Wales.

Mas.—Corpus convexum, parum nitens, rude punctatum, parce pubescens: caput sat magnum, breve, transversum, thorace latius; vertex latus, non impressus; frons abrupte declivis: oculi parvi, subrotundi, extantes: ocelli approximati, vertice in triangulum dispositi: antennæ 12-articulatæ, filiformes, pubescentes, thorace paullo longiores; articulus 1^{us}. longus, gracilis, sublinearis; 2^{us}. cyathiformis; 3^{us}. longus; 4^{us}. et sequentes breves, lineares, usque ad 9^{um}. curtantes; 10^{us}. 11^{us}. et 12^{us}. arcte applicati clavam fingentes fusiformem 9^o. duplo longiorem: thorax ovatus; segmentis suturæ bene determinatæ: prothorax brevissimus, supra vix conspicuus: mesothoracis scutum longitudine latius; parapsides conspicuæ, extantes; scutellum ovatum, valde convexum:

metathorax mediocris, declivis: petiolus longus, sat validus: abdomen ovatum, convexum, nitens, læve, glabrum, thorace multo brevius et angustius, apice quasi truncatum; segmentum 1^{um}. magnum, dorsi plus dimidium occupans; 2^{um}. et sequentia brevia: ventralia vix conspicua: pedes simplices, subæquales; coxæ mediocres; femora gracilia; tibiæ rectæ; tarsi articuli 1^o. ad 4^{um}. curtantes, 5^o. 4^o. paullo longior: ungues et pulvilli minuti: alæ amplæ; nervus ulnaris humerali paullo brevior, radialis brevis, cubitalis brevissimus stigma fingens punctiforme.

Sp. 8. Euch. Xeniades. Mas. *Ænea-viridi varia, antennæ nigræ, abdomen nigro-æneum, pedes ferruginei, femora viridia, alæ sublimpidæ.*

Mas.—*Ænea*: capitis frons viridis: oculi et ocelli obscure rufi: antennæ nigræ; articuli 1^{us}. et 2^{us}. nigro-ænei: thorax subtus viridis: abdomen nigro-æneum: pedes ferruginei; coxæ virides; femora viridia, apice ferruginea; tibiæ piceæ, apice et basi ferrugineæ; tarsi apice fusci; protarsi fusci: alæ sublimpidæ; squamulæ piceo-virides; nervi fusci. (Corp. long. lin. 1½; alar. lin. 2½.)

Var. β.—Capitis vertex et thorax virides æneo-varii.

Sydney, New South Wales.

Mas.—Corpus parvum, breve, crassum, convexum, nitens, læve, parce hirtum: caput transversum, breve, parvum, thoraci arcte applicatum; vertex latus; frons abrupte declivis: oculi mediocres, non extantes: antennæ graciles, submoniliformes, corporis dimidio longiores: thorax breviovatus, altus: petiolus brevis: abdomen ovatum, fere planum, thorace brevius et angustius: pedes graciles, simplices, subæquales: alæ amplæ.

Sp. 9. Euch. Democles. Mas. *Æneo-atra, antennæ piceæ, abdomen purpureum cupreo-varium, pedes picei, alæ limpidæ.*

Æneo-atra: oculi et ocelli rufi: antennæ piceæ: abdomen purpureum, cupreo-varium: pedes picei: alæ limpidæ; squamulæ piceæ; nervi fulvi. (Corp. long. lin. ¾; alar. lin. 1½.)

Sydney, New South Wales.

GENUS.—PERILAMPUS, *Latreille*.

Corpus parvum, breve, gibbum, nitens, rude punctatum, parce hirtum: thorax breviovatus: prothorax transversus, brevissimus: mesothoracis scutum longitudine latius; parapsides fere læves, suturæ bene determinatæ; scutellum brevi-obconicum, extans, postice retractum: metathorax magnus, obconicus, declivis: petiolus brevissimus: abdomen rhombiforme, læve, glabrum, contractum, thorace brevius et angustius: pedes pubescentes, simplices, subæquales: alæ mediocres; nervus humeralis ulnari plus duplo longior, radialis ulnari vix brevior, cubitalis brevissimus; stigma minutum, subrotundum.

Sp. 1. Peri. Saleius. Mas. *Viridis æneo-varius, abdomen atrum, pedes fulvi, femora viridia, alæ limpidæ.*

Viridis æneo-varius: abdomen atrum: pedes fulvi; coxæ virides; femora viridia; ungues et pulvilli fuscii: alæ limpidæ; squamulæ piceæ; nervi proalis fuscii, metalis fulvi. (Corp. long. lin. $\frac{4}{5}$; alar. lin. $1\frac{1}{4}$.)

March; King George's Sound, Australia.

GENUS.—MISCOGASTER, *Walker*.

Fem.—Callimomi similis: corpus angustum, convexum, nitens, scitissime squameum, parce hirtum: caput transversum, breve, thorace paullo latius; vertex latus; frons impressa, abrupte declivis: oculi mediocres, non extantes: thorax longiovatus: prothorax transversus, brevis: mesothoracis scutum longitudine paullo latius; parapsidum suturæ bene determinatæ; scutellum obconicum: metathorax transversus, mediocris, postice angustior: petiolus brevissimus: abdomen compressum, læve, supra ovatum, planum, subtus valde carinatum, thorace paullo brevius: oviductus exertus; vaginæ abdominis dimidio breviores: pedes graciles, simplices, subæquales: alæ amplæ; nervus humeralis ulnari multo longior, radialis ulnari paullo brevior, cubitalis radiali multo brevior; stigma parvum.

Sp. 1. Mis. Ciron. Fem. *Viridi-cyanea, antennæ nigræ, pedes flavi, femora viridi-cincta, alæ limpidæ.*

Viridi-cyanea: oculi et ocelli rufi: antennæ nigræ; articuli 1^{us}. et 2^{us}. virides: oviductus flavus; vaginæ nigræ: pedes flavi; coxæ

virides; femora viridi-cincta; tarsi apice fusci: alæ limpidæ; squamulæ piceæ; nervi proalis fusci, metalis fulvi. (Corp. long. lin. 1; alar. lin. 1½.)

Hobart Town, Van Diemen's Land.

Fem.—Corpus breve, crassum, convexum, nitens, læve, hirtum: caput transversum, breve, thorace latius; vertex latus; frons abrupte declivis: oculi mediocres, non extantes: antennæ clavatæ, corporis dimidio vix longiores; articulus 1^{us}. longus, gracilis, linearis: thorax ovatus, parce punctatus: prothorax transversus, sat magnus, antice angustior; latera rotundata: mesothoracis scutum brevissimum; parapsides extantes, suturæ optime determinatæ; scutellum parvum, obconicum: metathorax magnus, obconicus, declivis: petiolus brevis, gracilis: abdomen ovatum, fere glabrum, thorace brevius et angustius; segmenta 3 subæqualia dorso conspicua: oviductus vaginæ abdominis dimidio vix longiores: pedes simplices, subæquales: alæ mediocres; nervus humeralis ulnari plus duplo longior, radialis longus, cubitalis rectus; stigma mediocre, subfurcatum.

Sp. 2. Mis. Nelo. *Fem. Atra, antennæ nigræ, pedes picei, tarsi fulvi, alæ subfuscæ.*

Atra: oculi et ocelli picei: antennæ nigræ: oviductus fulvus; vaginæ nigræ: pedes picei; genua fulva; tibiæ apice fulvæ; tarsi fulvi, apice fusci: alæ subfuscæ; squamulæ piceæ; nervi proalis picei, metalis fusci. (Corp. long. lin. $\frac{2}{3}$; alar. lin. 1½.)

March; King George's Sound.

Fem.—Corpus parvum, breve, convexum, nitens, scitissime squameum, parce hirtum: thorax ovatus: prothorax transversus, brevissimus: mesothoracis scutum longitudine multo latius; parapsidum suturæ bene determinatæ; scutellum obconicum: metathorax transversus, parvus: petiolus brevis: abdomen ovatum, planum, læve, subtus vix carinatum, thorace paullo brevius et angustius: pedes simplices, subæquales: alæ mediocres; nervus humeralis ulnari longior, radialis ulnari brevior, cubitalis adhuc brevior; stigma mediocre.

Sp. 3. Mis. Nicon. *Fem. Viridi-ænea, abdomen cupreum, pedes flavi, alæ limpidæ.*

Viridi-ænea : mesothoracis scutellum viride, micans : abdomen cupreum : pedes flavi ; coxæ virides ; tarsi apice fusci : alæ limpidæ ; squamulæ piceæ ; nervi fulvi. (Corp. long. lin. $\frac{2}{3}$; alar. lin. $1\frac{1}{4}$.)

Sydney, New South Wales.

Mas.—Corpus convexum, hirtum, parum nitens, scite squameum : caput transversum, breve, thoracis latitudine ; vertex latus ; frons abrupte declivis : oculi mediocres, non extantes : antennæ clavatæ, thorace breviores ; articulus 1^{us}. gracilis, sublinearis ; 2^{us}. longicyathiformis ; 3^{us}. et 4^{us}. minimi ; 5^{us}. et sequentes transversi, usque ad 10^{um}. curtantes ; clava conica, compressa, articulo 1^o. latior et plus duplo longior : thorax ovatus : prothorax transversus, sat magnus : mesothoracis scutum longitudine latius ; parapsidum suturæ vix conspicuæ ; scutellum obconicum : metathorax brevis, parvus : petiolus sat longus : abdomen sublineare, planum, læve, nitens, thorace brevius et multo angustius : metapedes longi ; coxæ magnæ ; tibiæ subarcuatæ, cujusque apici spina : alæ mediocres ; nervus humeralis ulnari multo longior, radialis ulnari paullo brevior cubitali paullo longior, cubitalis longus ad alæ apicem propensus vix declivis ; stigma minutum.

Sp. 4. Mis. Thera. Mas. *Viridis, antennæ fuscæ, abdomen cupreum, pedes fulvi, metapedes obscuriores, proalæ fusco bifasciatæ.*

Obscure viridis : oculi et ocelli rufi : antennæ fuscæ : abdomen cupreum : pedes fulvi ; coxæ virides ; femora basi viridia ; tibiæ fusco-vittatæ : metapedes virides ; trochanteres picei ; genua ferruginea ; tibiis spinæ fulvæ ; tarsi nigri : alæ limpidæ ; squamulæ piceæ ; nervi proalis picei, metalis fusci ; proalæ fusco-bifasciatæ, fascia 1^a. angusta ad nervi humeralis apicem, 2^a. lata ad nervum cubitalem. (Corp. long. lin. $\frac{4}{5}$; alar. lin. $1\frac{2}{3}$.)

Hobart Town, Van Diemen's Land.

Mas.—Corpus sublineare, convexum, parum nitens, scitissime squameum, parce hirtum : caput transversum, breve, convexum, thorace paullo latius ; vertex latus ; frons impressa, abrupte declivis : oculi mediocres, non extantes : antennæ filiformes, hirtæ, graciles, corpore paullo breviores ; articulus 1^{us}. gracilis, sublinearis ; 2^{us}. longicyathiformis ; 3^{us}. et 4^{us}. minimi ; 5^{us}. et sequentes lineares, longi, discreti, usque ad 12^{um}. paullatim curtantes : thorax longiovatus, postice lævis nitens : prothorax