XVI. An abstract of the characters of Ochsenheimer's genera of the lepidoptera of Europe; with a list of the species of each genus, and references to one or more of their respective icones

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XVI. *An Abstract of the Characters of Ochsenheimer's Genera of the Lepidoptera of Europe; with a List of the Species of each Genus, and Reference to one or more of their respective Icones.* By J. G. CHILDREN, F.R.S. L. & E. F.L.S. &c.

[Continued from p. 16.]

Genus 60. APAMEA, Ochs., Treitsch.

(Stephens*.)

(Curtis.)

Wings, deflexed during repose; anterior elongate triangular, obtuse, the apex in some species slightly acuminate.

Antennæ very slender, pubescent beneath, pilose in the males.

Palpi moderate, subclavate, the basal joints clothed with elongate broad scales, the terminal exposed, obtuse, not so long as the basal, very slender, compressed, the apex obtuse, the intermediate joint as long again as the first, slightly bent and somewhat acute at each extremity, basal joint a little curved, rather slender at the base: *maxillæ* as long as the antennæ.

Head

* The recent publication of the 27th and 28th Numbers of Mr. Stephens's "Illustrations of British Entomology," enables us to make some useful additions to the genera we gave last month; and first we shall supply the miserable deficiency of Treitschke's generic characters of *Hadena*, by copying those given by Stephens at p. 179 of the second volume of his "Haustellata."

"*Palpi* short, rather slender, slightly ascending, clothed with hair and scales, triarticulate; terminal joint rather exposed, short, subovate: the basal joint curved, in general rather shorter and stouter than the second, which is a little attenuated towards the apex; terminal subovate, obliquely truncate: *maxillæ* about the length of the antennæ. *Antennæ* short, rather stout, in general simple, with the under side ciliated in the males, or obscurely subserrate, with a distinct fasciculus of hair on each joint within: *head* small, with a dense frontal crest; *eyes* large, globose, sometimes pubescent: *thorax* slightly crested: *body* stout, rather elongate, very acute in some females: *wings* slightly deflexed during repose; anterior obscurely denticulate on the hinder margin: in general of gay colours, sometimes with pale reticulations, and mostly with a pale undulated striga, in which is usually a conspicuous angulation, resembling the letter W, near the posterior margin; *stigmata* distinct; posterior wings with an obscure emargination towards the costæ: *larva* naked, generally of lively colour: *pupa* subterranean."—EUPLEXIA, Steph.

Of the fourth species of Treitschke's fifty-sixth genus, *Phlogophora lucipara* (*Noctua lucipara*, Linn.), Stephens has made a new genus by the name of Euplexia, to which he assigns the following characters.

EUPLEXIA.

"*Palpi* moderate, subclavate, clothed with elongate scales, the terminal joint exposed, obtuse, rather slender; basal joint slightly curved, rather longer than the third, which is somewhat attenuated and acute; the second as long again as the third, and gradually attenuated towards the apex, which is obliquely truncate: *maxillæ* long. *Antennæ* stout, elongate,

Head with a dense fascicle of scales on the crown: *eyes* globose, naked: *thorax* subquadrate, slightly crested, the crest anteriorly

gate, closely ciliated in the males, with a few short bristles in the females: *head* small, with a dense frontal crest: *eyes* naked: *thorax* stout, subquadrate, with a double crest posteriorly: *abdomen* moderate, carinated, and crested on the back, the crest on the third segment very long and conspicuous, the terminal segment in the males broad, semi-circular, and fringed with long fascicles of hair; in the females somewhat triangular, and but slightly fringed: *wings* short, entire, deflexed, and longitudinally wrinkled during repose: *cilia* emarginate: *stigmata* very large. *Caterpillar* naked, smooth: *pupa* subterranean."—*Steph. Illust. Brit. Ent. Haust.* III. 3.

Stephens mentions only one species of *Euplexia*.

TRACHEA, Ochs. (Genus 59.)

"*Palpi* moderate, the basal joint pubescent, the second densely clothed with scales, the terminal minute, exposed, ovate; basal joint stouter and shorter than the second, a little bent; second stoutest at the base, rather attenuated at the apex; terminal one-third as long as the second, rather slender, ovate; *maxillæ* elongate. *Antennæ* simple in both sexes, pubescent beneath and ciliated in the males: *head* with a dense frontal crest, produced into a tuft at the base of each antennæ: *eyes* globose, naked: *thorax* stout, quadrate, crested anteriorly and posteriorly: *abdomen* elongate, carinated and crested on the back in both sexes; male with a small anal tuft: *wings* deflexed during repose, anterior elongate-triangular, the posterior margin faintly denticulated; posterior ovate-triangular. *Caterpillar* naked, smooth: *pupa* subterranean."—*Steph. l. c. p. 21.*

The only species which Stephens enumerates as of this genus is *Noct. atriplicis*, Linn., the first in Treitschke's catalogue, and constituting his Family A. —For Treitschke's three remaining species, viz. *Præcox*, of his Fam. B., and *Porphyrea*, and *Piniperda*, Fam. C., Stephens has adopted as many distinct genera, *ACTEBIA*, *SCOTOPHILA*, and *ACHATIA*, with the following characters assigned them respectively.

ACTEBIA^a, Stephens.

"*Palpi* short, robust, porrected obliquely, densely clothed with compact scales; the terminal joint exposed, subrhombic; the two basal joints nearly of equal length and stoutness, the first curved, the second shuttle-shaped, the terminal slender, elongate-ovate: *maxillæ* elongate. *Antennæ* elongate, slender, pubescent beneath, ciliated on each side in the males; the basal joint large [and squamose: *head* small, with a dense frontal crest: *eyes* large, globose, naked: *thorax* slightly crested posteriorly: *abdomen* elongate, somewhat depressed, a little pubescent at the base, slightly carinated in the males, with a small anal tuft; stouter in the females: *wings* deflexed during repose; anterior very narrow, linear, entire, glossy; posterior ovate-triangular, entire. *Caterpillar* naked, smooth: *pupa* subterranean."—*Steph. l. c. p. 20.*

Only one species.

SCOTOPHILA^b, Stephens.

"*Palpi* rather distant, porrected obliquely, slender at the base, subclavate, the two basal joints clothed with rather elongate scales, the apical minute, exposed, somewhat acute; the basal joint about two-thirds the

^a *Λατὴ littus*; *βίωσι vivo*.

^b *Σκοτος tenebræ*, *φίλειω amo*.

length

Ochsenheimer's *Genera of the Lepidoptera of Europe*. 101

anteriorly and posteriorly bifid: *abdomen* moderate, scarcely tufted on the back and sides, the apex with a small tuft, obtuse in the males, acute in the females.

Larva naked; *pupa* subterranean*.

Ochsenheimer, or rather Treitschke, has divided this genus into four families.

FAM. A.—With a very bright white or yellow reniform spot on the fore-wings.

FAM. B.—Small species (N. Pusillæ, Fam. V. Wien. Verz.), with bright metallic markings on the fore-wings.

FAM. C.—Larger, generally dark coloured, species, with the fore-wings long, and rounded at the extremities.

FAM. D.—Colour inclining to copper-red, with the fore-wings shorter, and pointed at the extremities.

FAM. A. Species.

Icon.

1. Ap. *Nictitans*, Linn. Ernst, VI. Pl. CCLVII. f. 394.
a. b.

2. — *Didyma*, Borkh. Ernst, VI. Pl. CCLVI. fig. 390 & 392. & Pl. CCLVII. f. 393.

3. — *Ophiogramma*, Hüb. Ernst, VIII. Pl. CCCVI. f. 529.

FAM. B.

4. Ap. *Furuncula*, Hübn. Hübn. Noct. Tab. 117. fig. 545.
(mas.)

5. — *Captiuncula*, Treit.† — —

length of the second, stout, reniform, the second more slender, rather tumid at the base, the apex attenuated and truncate; terminal subovate, obtuse: *maxillæ* elongate. *Antennæ* long, pubescent beneath, stout, subserrate, and slightly pectinated in the males; slender and simple in the females: *head* small: *eyes* globose, naked: *thorax* subquadrate, not crested: *abdomen* moderate, rather depressed, acute at the tip in the females, with a tuft in the males: *wings* entire, deflexed; the *anterior* narrow; *posterior* rather large. *Caterpillar* naked: *pupa* subterranean."—*Steph. l. c.* p. 18.

Only one species.

ACHATIA, Hübn.

"*Palpi* very short, nearly concealed by long hairs, the terminal joint not visible; the two basal joints robust, the first as long again, and stouter than the second, slightly curved, second attenuated, the apex truncate, third minute, cylindric, truncate: *maxillæ* elongate. *Antennæ* rather long, slender, and simple in the females, subserrate, and rather robust in the males, pubescent beneath: *head* minute, scarcely visible from above: *eyes* small, naked: *thorax* large, downy: *wings* deflexed during repose; *anterior* entire, obtuse: *abdomen* short, rather stout, pubescent on the sides, and at the apex. *Caterpillar* naked, smooth: *pupa* subterranean."—*Steph. l. c.* p. 19.

Only one species.

* Characters from Stephens. *Haut.* III. p. 6.

† Ap. *alis anticis fuscis, fasciâ mediâ obscuriore, stigmatibus reniformi fasciâque externâ albidis*.—*Ochs. Treitsch. V. pars II.* 96.

6. Ap. *Suf-*

Species.	Icon.
6. Ap. <i>Suffuruncula</i> , Treit.*	
7. — <i>Latruncula</i> , Hübn.†	Ernst, VIII. Pl. CCCXIV. f. 548.
8. — <i>Strigilis</i> , Linn.‡...	Ernst, VIII. Pl. CCCXV. f. 551.
FAM. C.	
9. Ap. <i>Connexa</i> , Borkh.§	Ernst, VI. Pl. CCXXXIX. f. 351.
10. — <i>Testacea</i> , Hübn.§	Ernst, VII. Pl. CCLXXVII. f. 451.
11. — <i>Basilinea</i> , Fab.§	Ernst, VII. Pl. CCLXIII. f. 414.
	12. Ap.

* Ap. alis anticis fuscis, cupreo argenteoque splendentibus, macula in medio quadrata nigra.—*Ochs. Treitsch. V. pars II. 97.*

† MIANA, Steph.

"Palpi short, porrected obliquely, the two basal joints sparingly clothed with elongate scales, the terminal one exposed, somewhat acute, and placed obliquely, very slender when denuded; the basal joint short, stouter than the following, which is slightly curved, attenuated towards the apex, and nearly three times as long as the basal; terminal elongate-ovate, nearly as stout as the second, and about the length of the basal: *maxillæ* elongate. *Antennæ* short, finely ciliated and pubescent in the males, simple in the females: *head* with a frontal crest: *eyes* naked: *thorax* subquadrate, with a posterior dorsal crest: *abdomen* slender, with a small tuft at the apex in the males, and a little crested on the back: *wings* entire, deflexed, anterior elongate triangular, with indistinct, nearly concolorous stigmata. *Caterpillar* naked: *pupa* subterranean."—*Steph. Illust. Brit. Ent. Haust. III. p. 11.*

Stephens adds, that the species of this genus are distinguished from the *Apameæ*, by their small size, nearly concolorous posterior stigmata on the anterior wings, the smallness of their palpi, slenderness of body, and by the thorax not being anteriorly crested.

‡ MIANA, Steph.—Next to his genus *Miana*, Stephens has introduced another new Genus, *CELÆNA*, founded on four species, viz. *Ce. remigera*, Steph. (of which only three specimens are known); *Ap. Haworthii*, Curtis, VI. pl. 260;—*Noct. hibernica*, Haw. MSS. (a Dublin species); and, with a mark of doubt, *No. lancea*, Esper. The characters of this genus are,

CELÆNA, Steph.

"Palpi not very short, porrected obliquely, the two basal joints densely clothed with elongate scales, the terminal exposed, rather obtuse, sublinear: basal joint short, reniform, scarcely stouter than the second, which is nearly linear, a little curved and slightly acute; terminal stouter than the first, elongate-ovate, obtuse: *maxillæ* elongate. *Antennæ* moderate, rather stout, pubescent beneath, and ciliated in the males: *head* with a dense tuft of scales on the crown: *eyes* naked: *thorax* large, somewhat downy, not crested: *body* rather short and slender, the sides and apex tufted, the apical tuft largest in the males: *wings* deflexed, entire; *anterior* elongate-triangular, obtuse; *stigmata*, especially the posterior, conspicuous, not concolorous."—*Steph. Illust. Brit. Ent. III. p. 15.*

The *Celænæ* are nearly of the same size as the *Mianæ*, but are distinguished from them by their broader anterior wings, with very conspicuous posterior stigmata, and the adjoining nervures generally pale; the palpi are more densely scaly, and the terminal joint somewhat linear and obtuse, not subacuminate; the thorax is stout, and not crested.

§ HAMA, Steph.

"Palpi short, subclavate, the basal joint clothed with elongate scales, the terminal exposed and conic, about as long as the first, subovate, com
pressed,

Species.	Icon.
12. <i>Ap. Infesta</i> , Treitsch.	Ernst, VII. Pl. CCLXXXIX. f. 484. b.
13. — <i>Cespitis</i> , Fab.* ...	Ernst, VII. Pl. CCLXXX. f. 459. FAM. D.
14. <i>Ap. Leucographa</i> , Hüb.†	Hüb. Noct. Tab. 88. f. 411. (mas.) Tab. 124. f. 572. (mas.)
15. — <i>Bella</i> , Borkh.....	Hüb. Noct. Tab. 101. f. 477. (mas.)
16. — <i>Umbrosa</i> , Hüb.†	Hüb. Noct. Tab. 97. f. 456. (mas.) f. 457. (fœm.)
17. — <i>Cuprea</i> , Hüb.	Hüb. Noct. Tab. 13. f. 62. (fœm.)
18. — <i>Conflua</i> , Treitsch.‡	
19. — <i>Haworthii</i> , Curtis.	Curtis, Brit. Ent. pl. 260.

Genus 61. MAMESTRA, *Ochs., Treitsch.* (Stephens.)

Wings slightly deflexed during repose, *anterior* obscurely denticulated on their hinder margin, *posterior* simple.

Legs short, stout; *femora* and *tibiæ* very pilose interiorly; tibial spurs moderate.

Palpi short, triarticulate, densely clothed with elongate scales

pressed, acute; the first short, rather bent, the second stout at the base, considerably attenuated at the apex: *maxillæ* scarcely as long as the antennæ. *Antennæ* moderate, rather stout, ciliated in the males, and sometimes subserrate, pubescent beneath, with a few bristles in the females: *head* small, densely pubescent in the forehead: *eyes* large, globose, naked: *thorax* stout, woolly, subquadrate, scarcely crested: *wings* deflexed during repose, not folded; *anterior* rather long, emarginate on the posterior edge; *cilia* nearly entire: *body* moderate, carinated, and sometimes with some short fascicles of scales on the back; the sides and apex tufted in the males, scarcely so in the females. *Caterpillar* naked: *pupa* subterranean."—*Steph. Illust. Brit. Ent.* III. 4.

* CHAREAS, Steph.

† LYTÆA, Steph.

"*Palpi* slightly ascending, triarticulate, the two basal joints densely clothed with elongate, loose depending clavate scales, the terminal almost naked; the two basal joints of nearly equal length, the first slightly curved and very robust, the second more slender, gradually attenuated from the base to the apex; the terminal minute, ovate obtuse: *maxillæ* elongate. *Antennæ* rather long, serrated internally in the males, and ciliated; simple in the females: *head* and *thorax* downy, the latter stout and not crested: *body* rather short, slender, very downy at the base, slender posteriorly and tufted at the apex, and on the sides: *wings* horizontal, entire, very glossy; *anterior* considerably rounded at the base; *posterior* scarcely emarginate on the hinder margin; with a dark fimbria, and a more or less distinct transverse dusky striga, with a central spot of similar hue. *Larva* radicivorous: *pupa* subterranean."—*Steph. Illust. Brit. Ent.* II. 107, and 199.

‡ *Ap. alis anticis hepaticis, maculis ordinariis pallidioribus, strigis obsoletis confluentibus.*—*Ochs. Treitsch.* VI. *pars* I. p. 405.

at

at the base, the terminal joint not very distinctly exposed; the basal joint the length of the terminal, subconic; the following as long again, more slender than the basal, subcylindric, a little bent, and slightly attenuated at the tip, which is obliquely truncate; terminal elongate-ovate: *maxillæ* rather long.

Antennæ elongate, rather slender, simple in both sexes, each joint producing a short bristle on each side, ciliated beneath in the males.

Head rather small, forehead densely crested: *eyes* rather large, globose, pubescent.

Thorax subquadrate, with a bifid dorsal crest.

Abdomen moderate, crested on the back, the apex with a small tuft.

Larva naked, varied.

Pupa subterranean.*

Species.	Icon.
1. Mam. <i>Pisi</i> , Linn.....	Ernst, VI. Pl. CCLXXXVII. f. 477.
2. — <i>Splendens</i> , Hübn.	Hübn. Noct. Tab. 85. f. 400. (fœm.)
3. — <i>Oleracea</i> , Linn....	Ernst, VII. Pl. CCLXXXVIII. f. 479.
4. — <i>Suasa</i> , Hübn.....	Ernst, VII. Pl. CCLXXXVII. f. 478.
5. — <i>Aliena</i> , Hübn.†...	Hübn. Noct. Tab. 94. f. 441.
6. — <i>Nigricans</i> , Vieweg.	Hübn. Noct. Tab. 116. f. 539. (fœm.)
7. — <i>Chenopodii</i> , Fab.	Hübn. Noct. Tab. 18. f. 86. (mas.)
8. — <i>Albicolon</i> , Hübn.	Hübn. Noct. Tab. 117. f. 542. (mas.)
9. — <i>Brassicæ</i> , Linn....	Ernst, VII. Pl. CCLXXXIX. f. 456.
10. — <i>Furva</i> , Hübn.	Ernst, VII. Pl. CCLXXXVI. f. 474. c.
11. — <i>Persicariæ</i> , Linn.	Ernst, VI. Pl. CCXXXII. f. 335.
12. — <i>Rubrirena</i> ‡, Treitsch.	— — —

Genus 62. THYATIRA, Ochs. Treitsch. (Curtis.)

Legs, anterior; *tibiæ* with a compressed spine on the inside; middle and posterior *tibiæ* with a pair of spurs at their apex, one very small, the posterior pair with also two spurs below the middle.

Wings, deflexed, *superior* slightly hooked at the posterior angle; *inferior* large.

Antennæ, alike in both sexes, rather short, clothed with scales above, with short hairs beneath.

* Characters from Stephens.—*Haust.* II. 191.

† HAMA. Steph.—*Haust.* III. 4.

‡ Mam. alis anticis nigris, maculis strigisque ordinariis rubescentibus; posticis nigro-griseis.—Ochs., Treitsch. V. pars II. p. 159.

Palpi

Palpi, porrected obliquely, distant, triarticulate, longer than the head, covered with long hairy scales, the terminal joint clothed with short, close scales only; first joint short, second long, attenuated, third as long as the first, slender, conical: *maxillæ* as long as the antennæ.

Head, transverse.

Thorax clothed with long, light scales, forming a transverse crest.

Abdomen rather long and slender, with a small tuft of scales on the back near the base.

Larva, with six pectoral, eight abdominal, and two anal feet*.

Species.	Icon.
1. <i>Thy. Batis</i> , Linn.....	Ernst, VI. Pl. CCXXXI. f. 333.
Curtis, Brit. Ent. II. pl. 72.
	Imago et larva.
2. — <i>Dersa</i> , Linn. ...	Ernst, VIII. Pl. CCCVII. f. 530.

Genus 63. CALPE†, *Ochs.*, *Treitsch.*

CALYPTRA, *Ochs.*

Wings deflexed and crossing over one another, when at rest; the usual reniform markings and maculæ, indistinct, but the transverse bands well defined.

Antennæ, strongly pectinated in the male.

Species.	Icon.
1. <i>Calp. Thalictri</i> , Hübn.	Ernst, Suppl. Pl. VIII. f. 258. a. b. c.
2. — <i>Libatrix</i> , Linn....	Ernst, V. Pl. CXCIV. f. 258.

Genus 64. MYTHIMNA, *Ochs.*, *Treitsch.* (Stephens.)

Legs, moderate; *femora* and *tibiæ* stout, and densely pilose in the males.

Wings, slightly deflexed; *anterior* entire, acute at the apex, with the stigmata nearly or quite obliterated; *posterior* obsoletely emarginate on the hinder margin.

Antennæ moderate, shortest in the females; finely ciliated in both sexes, stoutest, and somewhat pubescent beneath in the males.

Palpi short, ascending, densely enveloped in scales, the apical joint not exposed; triarticulate, the basal joint scarcely one-third as long as the second, bent; the second very long, slightly attenuated towards the apex, not so stout as the first, a little curved; terminal small, elongate-ovate, subacuminate, conic: *maxillæ* as long as the antennæ.

* Characters from Curtis, *Brit. Ent.* II. pl. 72.

† *Καλπη*, *Calpe*, an urn; from the peculiar hollows of the fore-wings.

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Head small, with a tuft of scales: *eyes* large, pubescent.

Thorax slightly crested anteriorly.

Abdomen elongate, densely tufted at the apex, and laterally in the males; somewhat obtuse in the females.

Larva naked, with longitudinal streaks.

Pupa subterranean*.

The genus is divided by Treitschke into three families, according to the markings on the wings.

FAM. A. Species.

Icon.

1. Myth. *Oxalina*, Hübn. Hübn. Noct. Tab. 45. f. 219. (mas.)

2. — *Acetosellæ*, Fab.... Hübn. Noct. Tab. 45. f. 220. (mas.)

FAM. B.

3. Myth. *Turca*, Linn.... Ernst, VII. Pl. CCXCIV. f. 497.

4. — *Lithargyria*, Hübn. Ernst, VII. Pl. CCXCV. f. 499.

5. — *Albipuncta*, Fab... Ernst, VII. Pl. CCXCIV. f. 498.

6. — *Conigera*, Fab. ... Ernst, VII. Pl. CCXCI. f. 492.

7. — *Imbecilla*, Fab. ... Hübn. Noct. Tab. 120. f. 555. (mas.)

8. — *Nexa*, Hübn. Hübn. Noct. Tab. 84. f. 395. (mas.)

FAM. C.

9. Myth. *Xanthographa*, Fab. † Ernst, VII. Pl. CCLXVIII. f. 429.

10. — *Neglecta*, Hübn. † .. Ernst, VII. Pl. CCLIX. f. 401.

Genus 65. ORTHOSIA, *Ochs.*, *Treitsch.* (Stephens, Curtis).

Legs moderate.

Wings slightly deflexed, entire; *anterior* elongate, the apex slightly rounded or somewhat acute; *posterior* short, ovate-triangular.

Palpi nearly horizontal, densely clothed with elongate scales, the terminal joint scarcely projecting; triarticulate, basal joint a little bent, above half the length of the second, and more robust, second nearly straight, terminal about the length of the basal, obscurely pear-shaped: *maxillæ* shorter than the antennæ.

* Characters from Stephens.—*Haust.* II. 149.

† SEGETIA, Steph.

"*Palpi* slightly ascending, densely clothed with squamose hair; the terminal joint exposed, triarticulate; the basal joint reniform, stouter than the following; the second as long again as the first, a little attenuated towards the apex; terminal minute, ovate, obtuse; *maxillæ* about the length of the antennæ. *Antennæ* moderate, stout and ciliated in the males, slender and simple in the females: *head* small: *eyes* naked: *thorax* stout, woolly, not crested: *wings* slightly deflexed, short; *anterior* obtuse and rounded posteriorly, with distinct stigmata: *body* rather short, the male with a tuft at the apex; the female with the apex acute: *legs* with the *femora* very pilose. *Larva* naked: *pupa* subterranean."—*Stephens's Illust. Brit. Ent.* II. p. 153.

Antenna

Mr. Haworth's *Description of the Subgenus Epiphyllum*. 107

Antennæ simple in the females; bipectinated or ciliated in the males.

Head small, with long scales above.

Thorax not crested, stout, woolly.

Abdomen short, tufted in the males, acute in the females†.

Species.	Icon.
1. <i>Orth. Cæcimacula</i> , Fab.	Ernst, VII. Pl. CCLXIV. f. 415. c—f.
2. — <i>Instabilis</i> , Fab.....	Ernst, VII. Pl. CCLXIII. f. 414. d—h.
3. — <i>Munda</i> , Fab.	Ernst, VII. Pl. CCLVIII. f. 396.
4. — <i>Ypsilon</i> , Hübn....	Hübn. Noct. Tab. 29. f. 136. (mas.)
(4*. — <i>Lunosa</i> , Haworth,	Curtis, Brit. Ent. Pl. 237.)
5. — <i>Lota</i> , Linn.	Ernst, VII. Pl. CCLIX. f. 400.
6. — <i>Macilenta</i> , Hübn.	Ernst, VII. Pl. CCLXI. f. 409.
7. — <i>Gracilis</i> , Fab.....	Ernst, VII. Pl. CCLXIII. f. 414. a—c.
8. — <i>Opinia</i> , Hübn. ...	Hübn. Noct. Tab. 90. f. 424. (mas.)
9. — <i>Populeti</i> , Fab.....	Ernst, VII. Pl. CCLXII. f. 412. b.
10. — <i>Stabilis</i> , Hübn. ...	Ernst, VII. Pl. CCLXII. f. 412. c. d.
11. — <i>Carnea</i> , Thunb...	Hübn. Noct. Tab. 81. f. 377. (fœm.)
12. — <i>Miniosa</i> , Fab.	Ernst, VII. Pl. CCLXII. f. 411.
13. — <i>Cruda</i> , Götze....	Ernst, VII. Pl. CCLXII. f. 413.
14. — <i>Lævis</i> , Hübn.....	Hübn. Noct. Tab. 34. f. 163. (fœm.)
15. — <i>Nitida</i> , Fab.	Hübn. Noct. Tab. 38. f. 180. (fœm.)
16. — <i>Humilis</i> , Fab.....	Ernst, VII. Pl. CCXCIX. f. 508. c.
17. — <i>Pistacina</i> , Fab....	Ernst, VII. Pl. CCLVIII. f. 397.
18. — <i>Litura</i> , Linn.....	Ernst, VII. Pl. CCLVIII. f. 399. a. b.

[To be continued.]

XVII. *A Description of the Subgenus Epiphyllum*. By
A. H. HAWORTH, *Esq. F.L.S. &c.*

To the Editors of the Philosophical Magazine and Annals.

Gentlemen,

HAVING just examined a new and specious plant of the subgenus *Epiphyllum* of the *Cactæan* order, at Mr. Tate's choice Nursery, in Sloane-street (where so many new tropical plants are found), I send you hereunder a full description of it. And in order to make the communication a little more acceptable to your botanical readers, I have added to it a monographical sketch of all the other species of *Epiphyllum*, with new sections and characters to elucidate the whole, as far as known to me, which are seven in number. The new species is named

† Characters from Stephens's *Illust. Brit. Ent. Haust.* II. p. 139.