



VIRO ORNATISSIMO

PETRO PRATTINTONO, M. B.

DE BEWDLEY,

IN COMITATU VIGORNIENSI,

HUNC

VICESIMUM SECUNDUM

NATURÆ VIVARII

FASCICULUM

D. D. D.

GEORGIUS SHAW,

E. NODDER.

TO

PETER PRATTINTON, M. B.

OF

BEWDLEY,
WORCESTERSHIRE,

THIS TWENTY-SECOND VOLUME

OF THE

NATURALIST'S MISCELLANY

IS INSCRIBED,

AS A TESTIMONY OF FRIENDSHIP,

BY

GEORGE SHAW,
E. NODDER.

PSITTACUS GARRULUS.

CHARACTER GÉNÉRICUS.

Rostrum aduncum; mandibula superiore mobili, cera instructa.

Nares in rostri basi.

Lingua carnosae, obtusa, integra.

Pedes scansorii.

Lin. Syst. Nat.

CHARACTER SPECIFICUS, &c.

Psittacus brachyurus coccineus, humeris maculae dorsali flavis, alis genibusque viridibus, cauda versus apicem cærulea.

Psittacus garrulus. *P. brachyurus ruber*, orbitis cinereis, genibus alisque viridibus, rectricibus medietate postica cæruleis.

Lin. Syst. Nat.

Lorius Moluccensis.

Bris. av. 4. t. 23. f. 1.

Psittacus garrulus. γ .

Lath. ind. orn.

Pulchra hæc *Psittaci* species æquat fere magnitudine columbam minorem. Suspiciatur *Vaillantus* varietatem esse *Psittaci Domicellæ* Linnæi.

THE
CERAM LORY.

GENERIC CHARACTER.

Bill hooked: upper mandible moveable, and furnished with a cere.

Nostrils in the base of the bill.

Tongue fleshy, obtuse, generally entire.

Feet scansorial.

SPECIFIC CHARACTER, &c.

Sanguine Lory, with yellow shoulders and dorsal spot, green wings and thighs, and tail blue towards the tip.

Scarlet Lory.

Edw. pl. 172.

Ceram Lory var. B.

Lath. syn.

Le Lori Noira.

Buff. ois. 6. p. 127. pl. 6.

Lory des Moluques.

Pl. Enl. 216.

Le Lori-Noira.

Levaill. Perr. pl. 96.

This beautiful species, which is nearly equal in size to a small pigeon, is suspected by Levaillant to be a variety of the *Psittacus Domicella* of Linnæus, or Purple-capped Lory.



Amazona Amazonica L. Published by W. Miller.



STROMBUS AURIS DIANÆ.

CHARACTER GENERICUS.

Animal Limax.

Testa univalvis, spiralis, latere ampliata.

Apertura labro sæpius dilatato, desinens in canallem sinistrum.

Lin. Syst. Nat.

CHARACTER SPECIFICUS, &c.

Strombus flavescens, fusco variegatus, labro antice mucronato, dorso muricato, cauda erecta acuta.

Strombus Auris Dianæ. S. testæ labro antice mucronato, dorso muricato, cauda erecta acuta.

Lin. Syst. Nat.

Auris Dianæ.

Argenv. conch. t. 17. f. o.

Stromb. Aur. Dian. Var.

*Chemn. x. t. 156. f. 1485.
1486.*

Maria incolit Indica *Strombus Auris Dianæ*, et magnitudine vera in tabula depingitur.

THE
EAR STROMBUS.

GENERIC CHARACTER.

Animal allied to a Limax.

Shell univalve, spiral, amplified on one side.

Aperture with the lip generally dilated, and terminating in a channel towards the left.

SPECIFIC CHARACTER, &c.

Yellowish Strombus, with brown variegations, with the lip mucronated in front, the back muricated, and the beak erect and acute.

Stromb. Aur. Dian. *Var.*

Cat. Mus. Portl. No. 679.1452.

Chemn. Conch. x. pl.156. f.1485.

1486.

The shell here represented is a native of the Indian seas, and is expressed in its natural size.



Zeuxis (Cypripedium) & Paphos (Cypripedium) by A. S. Peck

MUREX SAXATILIS.

CHARACTER GENERICUS.

Animal Limax.

Testa univalvis, spiralis, exasperata suturis membranaceis.

Apertura desinens in canalem integrum, rectum seu subascendentem.

Lin. Syst. Nat.

CHARACTER SPECIFICUS, &c.

Murex testa quinquefariam frondosa, spira contigua, cauda abbreviata.

Lin. Syst. Nat. p. 1215.

Argenv. conch. t. 19. f. F.

Seb. mus. 3. t. 77. f. 4. 5. 6.

Var. Mur. saxat, albus, fauce fasciis frondibusque roseis.

Purpura ramosa, (frondibus sex) &c.

Regenf. t. 9. f. 26.

Reperitur murex saxatilis in oris fere omnibus continentis qui vulgo antiquus dicitur. Colores plurimum variant. Expressimus eximiam varietatem, in oris Guineanis detectam, et in splendido Regenfusii opere depictam. Ostendit tabula nostra non veram magnitudinem, sed quasi in dimidium redactam.



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THE
ROCK MUREX.

GENERIC CHARACTER.

Animal allied to a *Limax*.

Shell univalve, roughened with membranaceous sutures.

Aperture ending in a strait or subsascending channel.

SPECIFIC CHARACTER, &c.

Murex with five rows of foliations, contiguous spire, and abbreviated beak.

La Chicorée.

Argenv. conch. pl. 16. f. F.

Rumph. mus. t. 26. f. c. 2.

Seb. mus. 3. pl. 77. f. 4. 5. 6.

Var. White Rock Murex, with rose-coloured mouth, bands, and fronds.

Regenf. conch. pl. 9. f. 26.

The *Murex saxatilis* or Endive Murex, is a general inhabitant of the coasts of the old continent, varying greatly in the cast of its colours. The beautiful specimen exhibited on the present plate is from Guinea, and is figured in the superb work of Regenfus. It is shewn of half the natural size.

PHALÆNA VENUS.

CHARACTER GENERICUS.

Antennæ setaceæ, a basi ad apicem sensim attenuatæ.

Alæ (sedentis) sæpius deflexæ (volatu nocturno).

Lin. Syst. Nat.

CHARACTER SPECIFICUS, &c.

Phalæna alis integerrimis subelongatis ferrugineis, superioribus maculis numerosis argenteis nigro marginatis.

Phalæna Venus.

Cram. pap. t. 286. f. c. d.

Promontorium Bonæ Spei incolit formosissima hæc phalæna, cujus veram magnitudinem cernere est in tabula.

Chrysomela pulchella Gu. & Raf. 1810.



0287

VENUS.

GENERIC CHARACTER.

Antennæ setaceous, gradually lessening from base to tip.

Wings (when sitting) generally deflex: Flight nocturnal.

SPECIFIC CHARACTER, &c.

Moth with slightly elongated ferruginous wings, the upper pair marked with numerous silvery spots edged with black.

Venus.

Cramer. pl. 286. f. c. d.

This most elegant insect is a native of the Cape of Good Hope, and is represented on the plate in its natural size.

NATIONAL MUSEUM OF TORONTO

COLUMBA UNDULATA.

CHARACTER GENERICUS.

Rostrum rectum, versus apicem descendens.

Nares oblongæ, membrana molli tumida semitectæ.

Lingua integra.

Pedes breves, ambulatorii.

Lath. ind. orn.

CHARACTER SPECIFICUS, &c.

Columba gilva nigro undulata, remigibus nigris, rectricibus latere exteriori albis.

Columba malaccensis.?? *C. nigro undulata* lineata, supra cinereo-grisea subtus cinerea, collo lateribus albo, rectricibus fuscis, lateralibus versus apicem albis.

Lath. ind. orn.

Indiam? incolit *Columba undulata*, inter elegantissimas sui generis merito numeranda. Depingitur in tabula quasi tertia pars veræ mensuræ.

THE
UNDULATED PIGEON.

GENERIC CHARACTER.

Bill strait, descending towards the tip.

Nostrils oblong, half covered by a soft tumid membrane.

Tongue entire.

Legs rather short: feet formed for walking.

SPECIFIC CHARACTER, &c.

Buff-brown Pigeon, undulated with black, with black quill and tail-feathers, the latter white on the outside.

Malacca Turtle.??

Lath. syn.

La petite Tourterelle de Queda.??

Sonner. Voy. Ind. 2. p.177.

The undulated Pigeon, which may justly be numbered among the most elegant of its tribe, is a native of India? and is represented about a third part smaller than its natural size.

TRICHIURUS LEPTURUS.

CHARACTER GENERICUS.

Caput porrectum, operculis lateralibus.

Dentes ensiformes, apice semisagittati.

Membr. branch. radiis septem.

Corpus compresso-ensiforme, cauda subulata
aptera.

Gen. Zool. 4. p. 90.

CHARACTER SPECIFICUS, &c.

Trichiurus argenteus, maxilla inferiore longiore.

Gen. Zool. 4. p. 90.

Trichiurus Lepturus.

Lin. Syst. Nat.

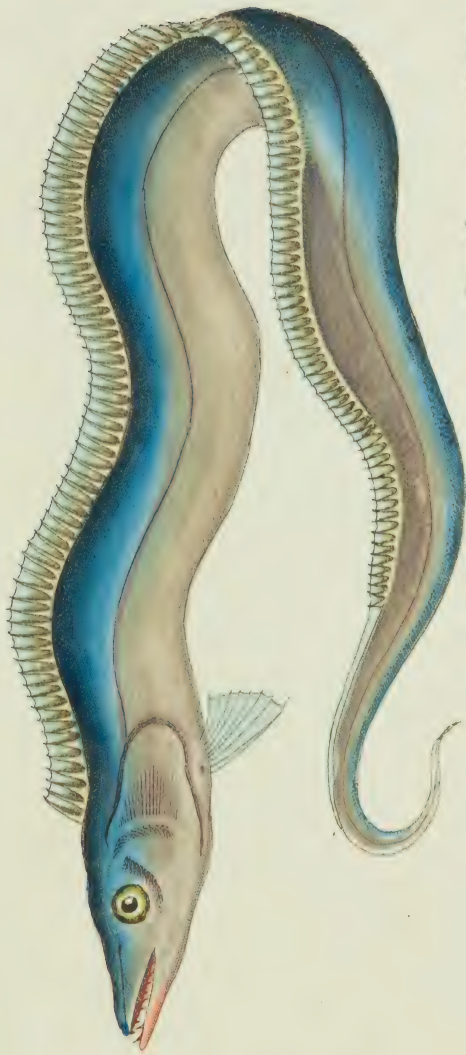
Gymnogaster argenteus compressus, cauda attenuata impinna.

Brown Jam. p. 444. t. 45. f. 4.

Trichiurus maxilla inferiore longiore, dentibus magnis.

Bloch. ichth. 5. p. 55. t. 158.

In maribus Indicis præcipue conspicitur *Trichiurus lepturus*, longitudine duos vel tres pedes æquans.



Trachinotus carolinensis (Lacépède)

THE
SILVER TRICHIURE.

GENERIC CHARACTER.

Head stretched forwards, with lateral gill-covers.

Teeth ensiform, semisagittate at the tips.

Gill-Membrane seven-rayed.

Body ensiform, compressed, with subulate finless tail.

Gen. Zool. 4. p. 90.

SPECIFIC CHARACTER, &c.

Silvery Trichiure, with the lower jaw longer than the upper.

Gen. Zool. 4. p. 90.

Anguille de la Jamaïque.

Bomare dict. vol. 7. p. 7.

Le paille-en-cul.

Bloch. ichth. 5. pl. 158.

The Silver Trichiure is chiefly observed in the Indian seas, and arrives at the length of two or three feet.

FULGORA CANDELARIA.

CHARACTER GENERICUS.

Caput fronte producta, inani.

Antennæ infra oculos, articulis duobus; exteriore globoso majore.

Rostrum inflexum.

Pedes gressorii.

CHARACTER SPECIFICUS, &c.

Fulgora Candelaria. F. fronte rostrata subulata adscendente, elytris viridibus luteo maculatis; alis flavis apice nigris.

Lin. Syst. Nat. p. 703.

Edw. t. 120.

Roes. ins. 2. t. 30. f. 1. 2. 3.

Sinam incolit Fulgora Candelaria, et magnitudine vera in tabula depingitur.





Stenocryptus & Pterodactylus

THE
CHINESE LANTERN-FLY.

GENERIC CHARACTER.

Head produced into an inflated hollow front.

Antennæ beneath the eyes, of two joints, the exterior larger and globose.

Snout inflected.

Feet formed for walking.

SPECIFIC CHARACTER, &c.

Lantern-Fly with rostrated, subulate, ascendent front, green upper-wings spotted with yellow, and yellow under-wings tipped with black.

Cigale porte-lanterne Chinoise.

Degeer ins. 3. p. 197.

This insect is a native of China, and is represented in its natural size.

PHALÆNA MATRONULA.

CHARACTER GENERICUS.

Antennæ setaceæ, a basi ad apicem sensim attenuatæ.

Alæ (sedentis) sæpius deflexæ, (volatu nocturno.)

CHARACTER SPECIFICUS, &c.

Phalæna alis superioribus fuscis flavo maculatis, inferioribus flavis nigro fasciatis, abdomine rubro nigro maculato.

Phalæna Matronula. P. (Noctua) spirilinguis lævis, alis superioribus griseis exterius flavo maculatis, inferioribus flavis nigro subfasciatis.

Lin. Syst. Nat. p. 835.

Roes. ins. 3. t. 39. f. 1. 2.

Germaniæ varias partes incolit hæc phalæna, cujus larva Artemisiæ vulgaris folia comedere dicitur.



Phalaena pyrausta 5. *Phalaena pyrausta* 5.

MATRONULA.

GENERIC CHARACTER.

Antennæ setaceous, gradually lessening from base to tip.

Wings (when at rest) generally deflex; (flight nocturnal.)

SPECIFIC CHARACTER, &c.

Moth with brown upper wings spotted with yellow; yellow under wings barred with black; and red abdomen spotted with black.

Mer. Ins. Eur. pl. 58.

Wien. Schmetterl. p. 53. n. 5.

The present Moth is a native of various parts of Germany, where its larva is said to feed on the leaves of the *Artemisia vulgaris* of Linnæus, or Common Mugwort.

TETRAO SENEGALENSIS.

CHARACTER GENERICUS.

Rostrum conico-incurvum, fornicatum.

Macula supra oculos nuda, papillosa.

Pedes plumosi.

Lath. ind. orn.

CHARACTER SPECIFICUS, &c.

Tetrao subferrugineus, gula flavicante, alis fusco maculatis, rectricibus duabus mediis elongato-acuminatis.

Tetrao Senegalus. T. pedibus hirsutis testaceus, rectricibus duabus mediis duplo longioribus.

Lath. ind. orn.

Tetrao Senegalus.

Lin. Mantiss. 1771. p. 526.

In illis numeratur speciebus Tetrao Senegalus quæ caudas gerunt acuminatas : rectricibus nempe duabus intermediis longioribus, et in apicem desinentibus : qua in re, ut et in aliis nonnullis, affinis admodum est *Tetraoni Alchate* Linnæi.

In Senegalia generatur et aliis aliquot regionibus Africanis, eadem fere magnitudine qua *Perdix* communis.



Illustration by [unreadable]

THE
SENEGAL GROUS.

GENERIC CHARACTER.

Bill conic-incurved, arched.
Spot over the eyes naked, papillose.
Legs feathered.

SPECIFIC CHARACTER, &c.

Subferruginous Grouse, with yellowish throat,
wings spotted with brown, and sharp-
elongated middle tail-feathers.

La Gelinotte du Senegal.

Pl. Enl. 130.

Senegal Grouse.

Lath. syn. 4. p. 749.

This species ranks amongst such of the genus as are furnished with pointed tails, the two middle feathers being elongated and acuminate; in which particular, as well as in some others, it is much allied to the Tetrao Alchata of Linnæus. It is a native of Senegal and some other parts of Africa, and is nearly of the size of a common partridge.

PHALÆNA CAPENSIS.

CHARACTER GENERICUS.

Antenna setaceæ, a basi ad apicem sensim attenuatæ.

Alæ (sedentis) sæpius deflexæ. (Volatu nocturno.)

Lin. Syst. Nat.

CHARACTER SPECIFICUS, &c.

Phalæna (Bombyx) alis griseo-fuscis strigis albis flavisque, ocelloque fenestrato marginato.

Phalæna *Cytherea*. P. (Bombyx) alis concoloribus griseis, strigis cinereis ocelloque fenestrato.

Lin. Gmel.

Bombyx *Cytherea*.

Fab. sp. ins.

Phal. *Capensis*.

Cram. t. 302. f. A. B.

Perelegantis insecti veram magnitudinem depinximus, quod in Africa inferiori generatum sedem sibi præcipuam selegit Bonæ Spei promontorium.

Non omnibus idem est et constans color: flava enim sunt nonnulla specimina magis quam fusca, fasciis albis multo minus conspicuis. Larva fusca esse dicitur, maculis minutulis viridi-flaventibus et quasi auratis aspersa.



Agrotis caryocata (Gn.)

THE
CAPE MOTH.

GENERIC CHARACTER.

Antennæ setaceous, gradually diminishing from base to tip.

Wings (when sitting) commonly deflex. Flight generally nocturnal.

SPECIFIC CHARACTER, &c.

Moth with grey-brown wings, each marked by white and yellow stripes, and by an eye-shaped spot surrounded with those colours.

Cram. pl. 302. f. A. B.

The beautiful insect here represented in its natural size is an inhabitant of the lower parts of Africa, and is not uncommon at the Cape of Good Hope. It varies considerably in the cast of its colours, the prevailing colour being rather yellow than brown in some particular specimens, while the white streaks are much less conspicuous. The larva is said to be of a brown colour, freckled with minute greenish specks which appear of a golden lustre.

SCOMBER FASCIATUS.

CHARACTER GENERICUS.

Corpus oblongum, læve, linea laterali interdum carinatum.

Pinnulæ sæpius supra infraque versus caudam.

CHARACTER SPECIFICUS, &c.

Scomber subargenteus, dorso subfusco, corpore fasciis transversis angustis subduplicatis fuscis,

Gen. Zool. 4. p. 587.

Scomber fasciatus.

Bloch. ichth. t. 341.

In maribus Indicis generatur *Scomber fasciatus*, longitudine quasi pedali vel sesquipedali.



Chromis (Pomacentrus) lineatus

THE
ZEBRA MACKREL.

GENERIC CHARACTER.

Body oblong, smooth, sometimes carinated by a lateral line.

Finlets (in most species) above and below, towards the tail.

SPECIFIC CHARACTER, &c.

Subargenteous Mackrel, with brownish back, and body marked by narrow transverse subduplicate brown bands.

Zebra Mackrel.

Gen. Zool. 4. p. 587.

Die Bandirte Mackrele.

Bloch. ichth. pl. 341.

The Zebra Mackrel is found in the Indian seas, where it arrives at the length of a foot or eighteen inches.

SERTULARIA PINASTER.

CHARACTER GENERICUS.

Flores Hydræ.

Stirps radicata, fibrosa, nuda, articulata: articulis unifloris.

Lin. Syst. Nat.

CHARACTER SPECIFICUS, &c.

Sertularia simplex pinnata, pinnis alternis, vesiculis ovato-quadrangulis, angulis mucronatis, ore tubuloso.

Sertularia Pinaster. S. simplex pinnata, pinnis alternis, denticulis oppositis basi cauli appressis, apice tubulosis incurvis, ovariis secundis majoribus ovato-quadrangulis, angulis mucronatis, ore tubuloso.

Soland. et Ellis Zooph. p. 55. t. 6. b. B.

Circa litora Americana conspicitur Sertularia Pinaster, et magnitudine vera in tabula depingitur.



Diarrhiza filiformis (L.) Lamour.

THE
PINE SERTULARIA.

GENERIC CHARACTER.

Animal resembling a Hydra or Polype.

Stem rooted, fibrous, naked, jointed; a single polype-head proceeding from each joint.

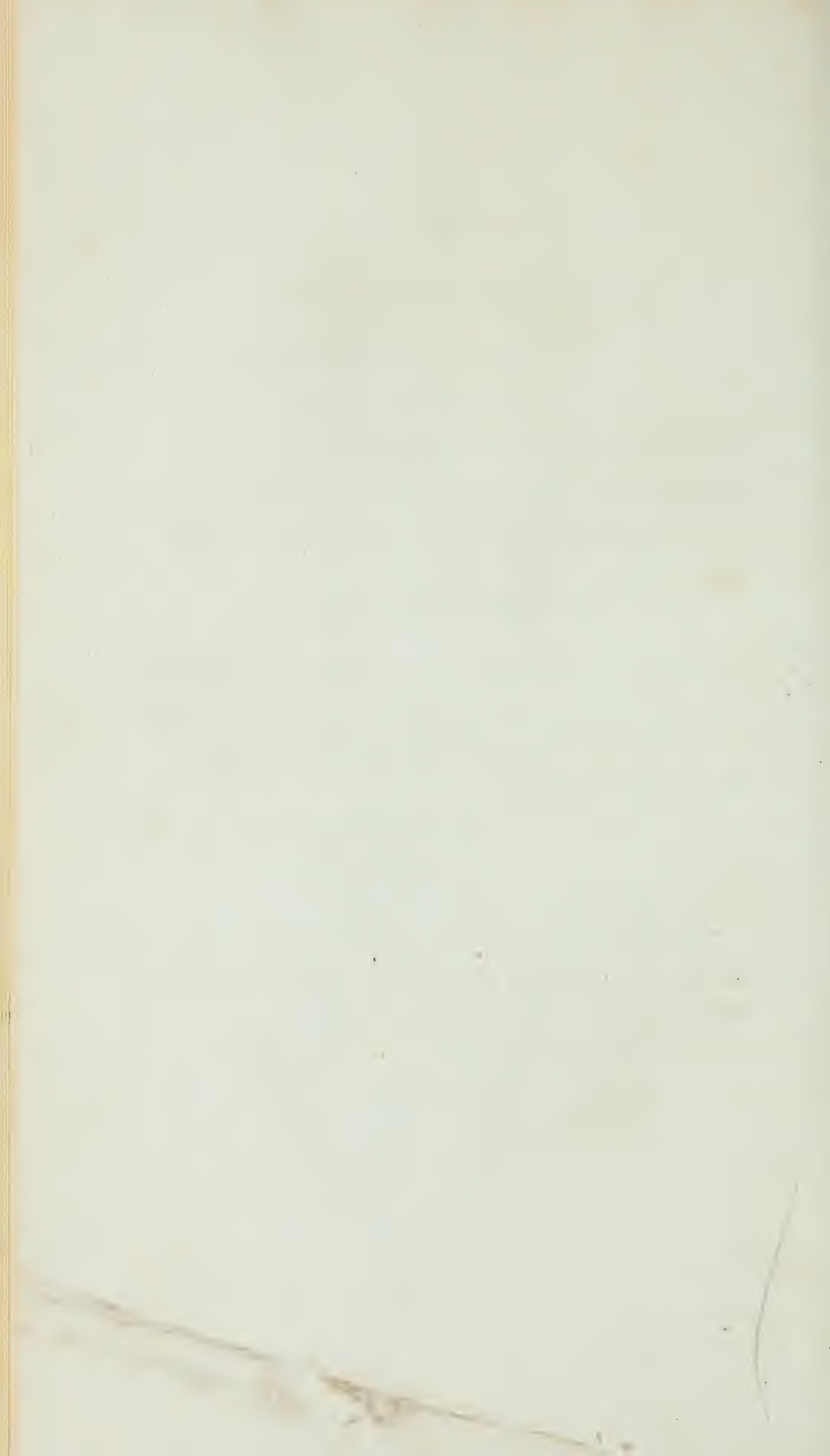
SPECIFIC CHARACTER, &c.

Pinnated Sertularia, with alternate pinnules, and ovate-quadrangular vesicles with mucronated corners and tubular mouth.

Sea-Pine Coralline.

Soland. et Ellis Zooph. p. 55.
pl. 6. f. b. B.

The species of Sertularia here figured is a native of the American coasts, and is represented in its natural size.



PSITTACUS CÆRULEATUS.

CHARACTER GENERICUS.

Rostrum aduncum; *mandibula* superiore mobili,
cera instructa.

Nares in rostri basi.

Lingua carnosae, obtusa, integra.

Pedes scansorii.

Lin. Syst. Nat. p. 139.

CHARACTER SPECIFICUS, &c.

Psittacus subbrachyurus coccineus, cauda sub-
purpurea, scapularibus apice cæruleis, tec-
tricibus remigibusque secundariis apice
nigris.

Lori à franges bleues.

Levaill. Perr. pl. 93.

Judice Levaillant, nova est perelegans hæc avis nec prius descripta. Eadem fere est magnitudine qua columba minor domestica, et in insulis Moluccis generatur.



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Illustration by the artist J. G. Cooper, 1850.

THE
BLUE-TIPPED LORY.

GENERIC CHARACTER.

Bill hooked: upper mandible moveable, and furnished with a cere.

Nostrils in the base of the bill.

Tongue fleshy, obtuse, generally entire.

Feet scansorial.

SPECIFIC CHARACTER, &c.

Shortish-tailed Crimson Lory, with purplish tail, scapulars tipped with blue; coverts and secondary quills with black.

Lori à franges bleues.

Levaill. Perr. pl. 93.

This most elegant bird is considered by Mons. Levaillant as a species before undescribed. Its size is that of a small domestic pigeon, and it is a native of the Molucca islands.

PHALÆNA AGARISTA.

CHARACTER GENERICUS.

Antennæ setaceæ, a basi ad apicem sensim attenuatæ.

Alæ (sedentis) sæpius deflexæ, (volatu nocturno).

CHARACTER SPECIFICUS, &c.

Phalæna alis crenatis fuscis subferrugineo undulatis, medio ocellatis; inferioribus subtus violaceo suffusis.

Phalæna Agarista.

Cram. pl. 170.

Ob summam, quæ huic est cum Phalæna odora Linnæi similitudinem, pro certo pronuntiare non ausim sitne istius varietas, an species revera diversa. Differt tamen a phalæna quæ odora vocatur, quod alarum pagina inferior colore imbuta sit violaceo. Generat eam America australis.

936



1870

Empoasca fabae

AGARISTA.

GENERIC CHARACTER.

Antennæ setaceous, gradually lessening from the base to the tip.

Wings (when sitting) generally deflected. Flight nocturnal.

SPECIFIC CHARACTER, &c.

Moth with crenated brown wings, with subferuginous undulations and an eye-shaped central spot; the lower pair shaded with violet beneath.

Agarista.

Cram. pl. 170.

The Moth represented on the present plate is so nearly allied to the *Phalæna odora* of Linnæus, that it may be doubted whether it be not rather a variety of that insect than a species truly distinct. It differs however in the cast of colour on the under surface of the wings, which have a strong tinge of violet. It is a native of South America.

SPARUS VOSMERIANUS.

CHARACTER GENERICUS.

Dentes validi: Primores in aliis ordine simplici, in aliis duplici, triplici, vel quadruplici dispositi.

Molares (plerisque) validi, convexi, læves, in series dispositi, et quasi pavementum in ore efformantes.

Labia crassa: Opercula mutica, squamosa.

CHARACTER SPECIFICUS, &c.

Sparus rubro-purpureus, fascia utrinque longitudinali flava, pinna dorsali analique violaceis.

Anthias Vosmaeri. A. stria aurea prope lineam lateralem.

Bloch. ichth. t. 321.

Maria incolit Indica Sparus Vosmerianus, magnitudine Percæ vulgaris seu fluviatilis Linnæi.



Parasiphiopsodon

THE
VOSMERIAN SPARUS.

GENERIC CHARACTER.

Teeth strong: *front-teeth* disposed in a single, double, triple, or quadruple row.

Grinders (in most species) convex, smooth, and forming a kind of pavement in the mouth.

Lips thick. *Gill-covers* unarmed, smooth, scaly.

SPECIFIC CHARACTER, &c.

Purplish-red Sparus, with a longitudinal yellow stripe on each side, and violet dorsal and anal fin.

Der Vosmersche Röthling.

Bloch. ichth. pl. 321.

The Vosmerian Sparus is an inhabitant of the Indian seas, and is of the size of a Common Perch.

ALCYONIUM EXOS?

CHARACTER GENERICUS.

Animal plantæ forma crescens.

Stirps fixa, gelatinosa, spongiosa, vel coriacea.

Superficie cellulosa, poris seu osculis stellatis
pertusa, hydras tentaculatas oviparas exse-
rentibus.

CHARACTER SPECIFICUS, &c.

Alcyonium coriaceum rubro-purpureum, supra
palmatum.

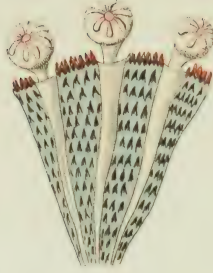
Alcyonium exos? A. stirpe arborescente coria-
cea coccinea, superne ramosa, papillis stel-
latis.

Lin. Syst. Nat. p. 1293.

Fungus Amanita marinus.

Barr. icon. 1293. 1294. f. 1.

In multis litoribus Europæis reperitur Alcyonium exos. Adhæret, ut plurimum, rupibus et aliis marinis. Color est rubro-purpureus, in diversis specimenibus plus minus saturatus. Variat quoque magnitudine: specimen enim quod depinximus vix altius erat tribus quatuorve unciiis, cum nonnullis altitudo plus quam dupla sit. Figuræ minores, quas continet tabula, ostendunt partem animatam zoophyti, polypos nempe, varie dispositos, et aucta paululum magnitudine; nec non unum e tentaculis, seu brachiis multo auctius.



Amphimedon *Agassizii* *Agassiz* *Agassiz* *Agassiz*

PURPLE ALCYONIUM.

GENERIC CHARACTER.

Animal growing in the form of a plant.

Body fixed; fleshy, gelatinous, spongy, or coriaceous.

Surface cellular, with star-shaped openings, from which are extended polype-shaped oviparous heads.

SPECIFIC CHARACTER, &c.

Purple-red coriaceous Alcyonium, palmated above.

L'Alcyon exos.

Spix. Ann. Mus.

Hist. Nat. vol. 13. p. 451. pl. 33.

The present species is found adhering to rocks and other marine substances on various European coasts. Its colour is a purplish red, more or less bright in different individuals. In size it varies also; sometimes, as in the present specimen, not exceeding the height of three or four inches, while in others it arrives at more than double that stature. The smaller figures on the plate represent the polype, or animal part of the zoophyte, somewhat magnified, and in different positions, together with a single tentaculum or arm more considerably magnified.

VULTUR PONTICERIANUS.

CHARACTER GENERICUS.

Rostrum rectum, apice aduncum, basi cute tectum.

Caput plerisque impenne, antice nuda cute.

Lingua carnosae, sæpius bifida.

Collum retractile.

Pedes validi, unguibus modice incurvatis.

CHARACTER SPECIFICUS, &c.

Vultur niger, fronte setosa, collo denudato, utrinque ab auribus caruncula longitudinali, pectore utrinque albo-plumato.

Vautour de Pondicherry.

Daudin. Ann. Mus. 1. p. 285.

Vautour Royal de Pondicherry.

Sonnerat voy. ind. 2. p. 182.

pl. 104. ?

Indiam incolit hæc avis, magnitudine quasi anseris vulgaris.



THE
PONDICHERRY VULTURE.

GENERIC CHARACTER.

Bill strait, hooked at the base, and covered at the base by a cere or skin.

Head, in most species, bare of feathers, and covered in front by a naked skin.

Tongue fleshy, and generally bifid.

Neck retractile.

Feet strong, with moderately crooked claws.

SPECIFIC CHARACTER, &c.

Black Vulture, with bristly front, naked neck with a longitudinal caruncle descending from the ears on each side, and white downy feathers on each side the breast.

Vautour de Pondicherry.

Daudin Ann. Mus. Hist. Nat. 1.

p. 285.

The present species is an inhabitant of India, and is about the size of a common goose.

LABRUS CYANOCEPHALUS.

CHARACTER GENERICUS.

Dentes robusti, subacuti; molares interdum conferti, convexi: *labia* crassa, duplicata: *pinnæ dorsalis* radii, in certis speciebus, ramento elongati.

Opercula mutica, squamosa.

CHARACTER SPECIFICUS, &c.

Labrus subargenteus, capite cæruleo, pinnis subfuscis, cauda rotundata.

Labrus cyanocephalus. L. capite cæruleo, linea laterali interrupta.

Bloch. ichth. 8. t. 286.

In maribus Americanis? conspicitur Labrus cyanocephalus, pedali fere longitudine.

942



Chromis chromis

THE
BLUE-HEADED LABRUS.

GENERIC CHARACTER.

Teeth strong and subacute: grinders sometimes convex and crowded: *lips* thick and doubled: rays of the *dorsal fin*, in some species, elongated into soft processes.

Gill-Covers unarmed and scaly.

SPECIFIC CHARACTER, &c.

Subargenteous Labrus, with blue head, and rounded tail.

Der Blaukopf.

Bloch. ichth. 8. pl. 286.

The Blue-headed Labrus is found in the American? seas, measuring nearly twelve inches in length.

CORALLINA FASCICULATA.

CHARACTER GENERICUS.

Animal? crescens habitu plantæ.

Stirps fixa: rami articulati, ramulosi.

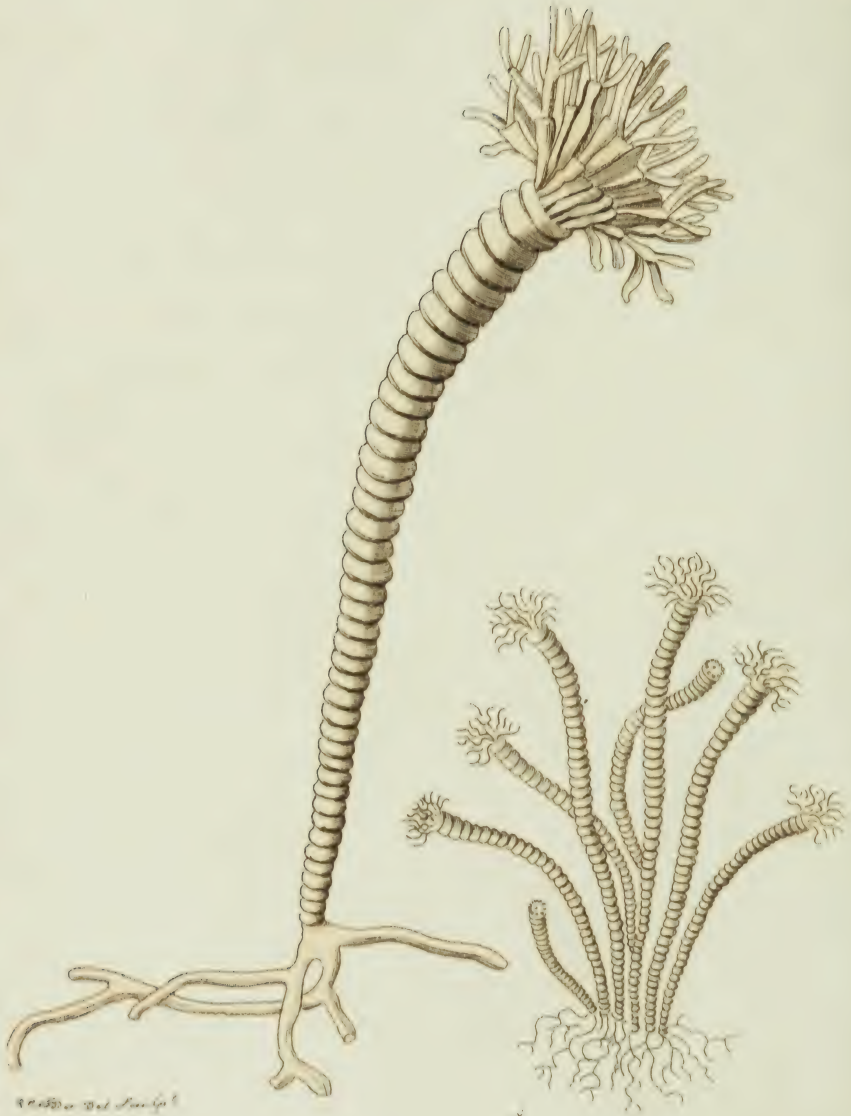
CHARACTER SPECIFICUS, &c.

Corallina stirpe simplici membranacea rugosa, fasciculo terminali ramuloso.

Corallina Peniculum. C. stipite simplici membranaceo ruguloso, ramis fasciculatis fastigiatis dichotomis articulatis.

*Soland et Ellis. Zooph. p. 127. t. 7.
f. 5. 6. & t. 25. f. 1.*

Super rupes insularum Americanarum crescit Corallina fasciculata, cujus veram magnitudinem cernere est in tabula.



90450. Bot. Soc. Lond.

THE
TUFTED-TOPPED CORALLINE.

GENERIC CHARACTER.

Animal? growing in the form of a plant.

Stem fixed: branches jointed, subdivided.

SPECIFIC CHARACTER, &c.

Coralline with simple membranaceous wrinkled stem, terminated by a branched fascicle.

Mop Coralline.

Soland. et Ell. Zooph. p. 127. pl. 7.
f. 5. 6. & pl. 25. f. 1.

The tufted-topped Coralline is found growing on the rocks of the American islands, and is represented in its natural size on the annexed plate.

VOLUTA PACIFICA.

CHARACTER GENERICUS.

Animal Limax.

Testa unilocularis, spiralis.

Apertura ecaudata, subeffusa.

Columella plicata.

CHARACTER SPECIFICUS, &c.

Voluta subelongata ferrugineo-flavescens, venis longitudinalibus nigricantibus undulata, anfractibus tuberculatis, columella quinqueplicata.

Voluta Arabica. V. testa emarginata, anfractibus tuberculatis, columella quadriplicata.

Lin. Syst. Nat. Gmel.

Circa litora antarctica maris pacifici conspicitur rara hæc volutæ species, et magnitudine vera in tabula depingitur.



277 R. P. Adams Del. Sculp.

THE
PACIFIC VOLUTE.

GENERIC CHARACTER.

Animal resembling a Limax or Slug.

Shell unilocular, spiral.

Aperture somewhat spreading, simple.

Pillar wreathed or pleated.

SPECIFIC CHARACTER, &c.

Subelongated yellowish-ferruginous Volute, undulated with longitudinal blackish veins, with tuberculated spire, and five-wreathed pillar.

Die Sudseeische Wilde Musik.

Martini Conchyl. 11. p. 21. pl. 178.
f. 1713, 1714.

The rare species of Volute here represented, is found about the southern coasts of the Pacific. The plate shews it in its natural size.

AMPELIS PHOENICEA.

CHARACTER GENERICUS.

Rostrum convexum; mandibula superiore longiore, subincurvata, utrinque emarginata.

Lingua acuta, cartilaginea, bifida.

Lin. Syst. Nat.

CHARACTER SPECIFICUS, &c.

Ampelis phoenicea, capite subcristato, remigibus caudaque nigris.

Coracias militaris. *C. phoenicea*, remigibus caudaque nigris.

Museum Leverianum. No. 2. t. 3.

Formosissima hæc avis, magnitudine fere corvina, tota splendide phoenicea est, exceptis alis caudaque nigris, humerorumque oris crissoque albidis. Pennæ totius avis, præter remiges caudamque, fibratæ et quasi sericæ, cum ventum sit ad occiput, in parvulam cristam eriguntur. In eximio opere quod de avibus rarioribus Indicis Americanisque composuit Levaillant, inter Ampelidas numeratur avis quam descripsimus.



Drawn Engraved & Published by R. S. Water

THE
CRIMSON CHATTERER.

GENERIC CHARACTER.

Bill strait, convex ; the upper mandible rather longer, subincurvated, emarginated on each side near the tip.

Tongue sharp-pointed, cartilaginous, bifid.

SPECIFIC CHARACTER, &c.

Crimson Chatterer, with slightly crested head, and black wings and tail.

Crimson Roller.

Museum Leverianum. No. 2. pl. 3.

Le Grand Cotinga.

Levaill. ois. Amer. & Ind. pl. 25.

This beautiful bird is scarcely inferior in size to a common crow, and is entirely of the richest and deepest crimson, except on the wings and tail, which are black : the edge of the shoulder is covered by a few whitish plumes, and the vent is of similar colour : the feathers on the whole bird, except on the wings and tail, are of a fibrous and silky texture, and on the back part of the head are elongated into a slight crest. In the excellent work of Mons. Levaillant on the rarer birds of India and America, it is considered as a species of *Ampelis*.

MADREPORA ANNULARIS.

CHARACTER GENERICUS.

Animal Medusa?

Corallium cavitatibus lamelloso-stellatis.

CHARACTER SPECIFICUS, &c.

Madrepora aggregata, stellis teretibus æqualibus margine elevatis, interstitiis plano-concavis radiatis.

Soland. et Ellis Zooph. p. 169. t. 53.
f. 1. 2.

Madrepora Astroites.?

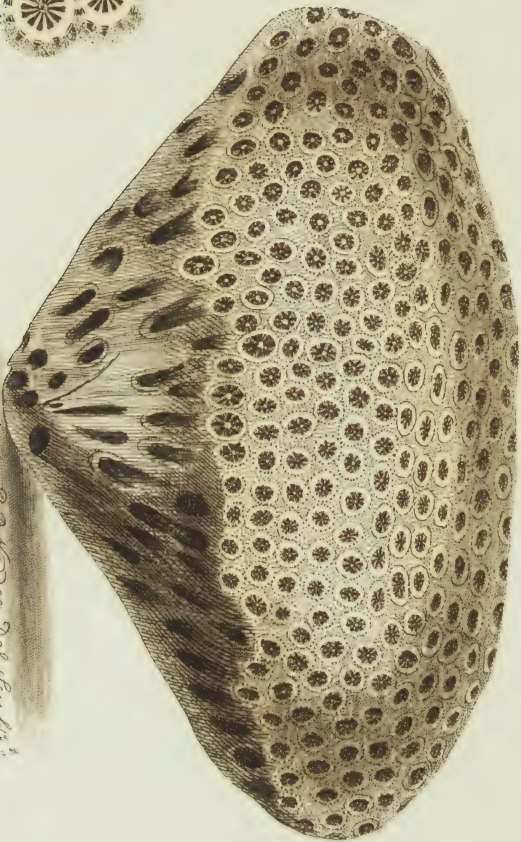
Pall. Zooph. 320.

An var. *M. radiatæ*?

Circa litora Maris Indici conspicitur *Madrepora annularis*, cujus veram magnitudinem cernere est in tabula.



R. P. H. 1850. Dec. 1850.



ANNULAR MADREPORE.

GENERIC CHARACTER.

Animal allied to a Medusa.

Coral marked by lamellar star-shaped cavities.

SPECIFIC CHARACTER, &c.

Aggregate Madrepora, with round equal stars elevated on the margin, and plano-concave radiated interstices.

Madrepora Astroites ?

Pall. Zooph.

Madrepora cavernosa ?

Lin. Gmel.

This Madrepora is found about the coasts of the Indian sea, and is represented in its natural size.

LACERTA MONODACTYLA.

CHARACTER GENERICUS.

Corpus tetrapodum, elongatum, caudatum, nudum.

Gen. Zool. 3. p. 183.

CHARACTER SPECIFICUS, &c.

Lacerta corpore caudaque longissimis verticillatis, pedibus subulatis monodactylis.

Lacerta anguina? L. cauda verticillata extremo rigidula, corpore striato, pedibus adactylis subulatis.

Lin. Syst. Nat.

Vermis serpentiformis ex Africa?

Seb. 2. t. 68. f. 7. 8.

Lezard monodactyle.

Cepede Ann. Mus. No. 11.

Censet celeberrimus *Cepede* novam esse hanc speciem, nec antea descriptam. Tanta tamen affinitate conjungi videtur Lacertæ quadrupedi Linnæi, ut pro certo affirmare non ausim de vera differentia. Creditur in Africa generari.



THE
MONODACTYLE LIZARD.

GENERIC CHARACTER.

Body four-footed, elongated, tailed; without any secondary integument.

Gen. Zool. 3. p. 183.

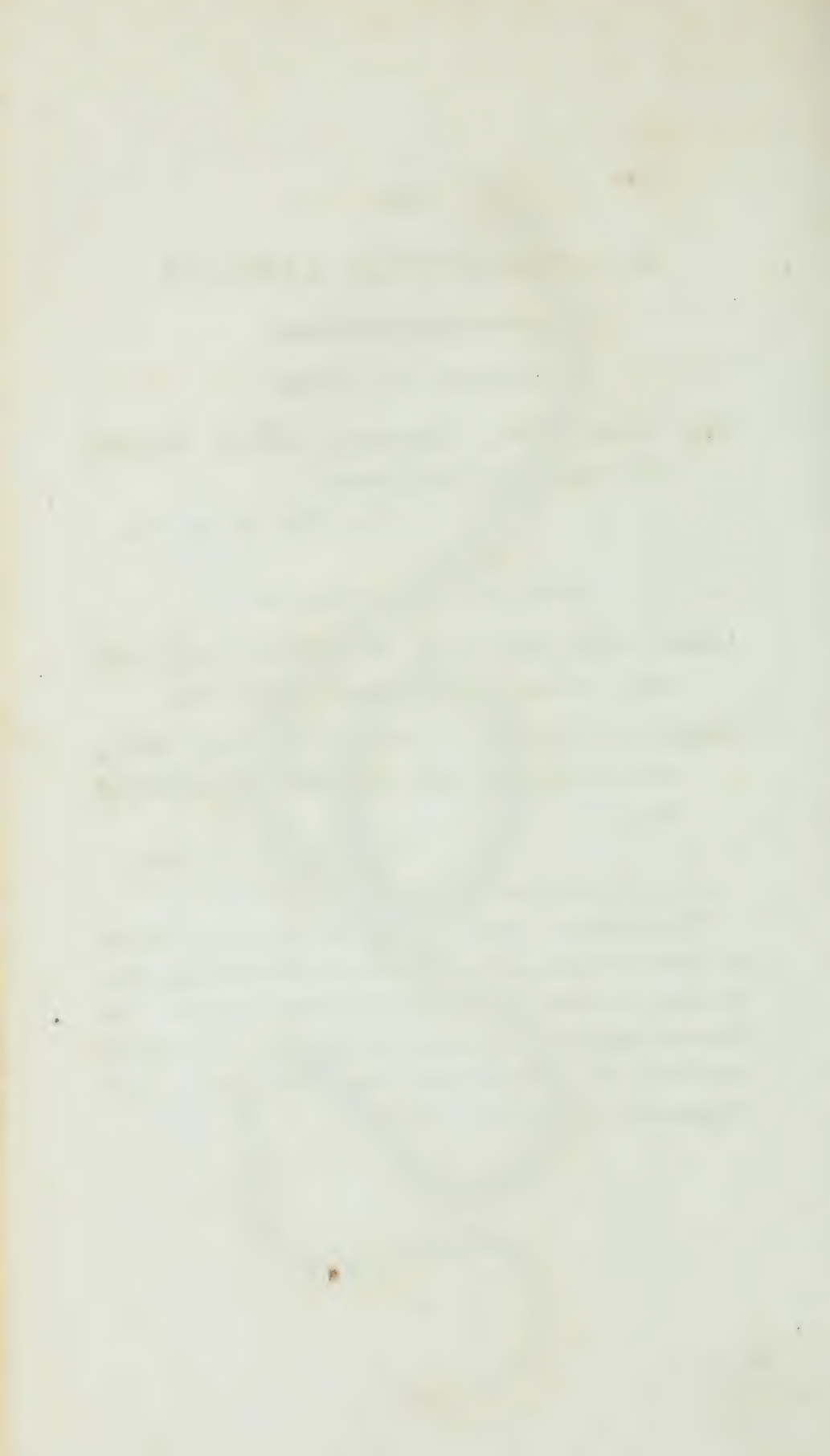
SPECIFIC CHARACTER, &c.

Lizard with very long verticillated body and tail, and subulated monodactyle feet.

Anguine Lizard? Lizard with long body, extremely long tail, and subulated adactyle feet.

Gen. Zool. 3. p. 308.

This animal is considered by the Count de Ceppe as constituting a new and hitherto undescribed species. It seems however to approach so very nearly to the *Lacerta anguina* of Linnæus, as to make it doubtful whether it be really distinct from that animal. It is supposed to be a native of Africa.



PAPILIO ERMINIA.

CHARACTER GENERICUS.

Antennæ apicem versus crassiores, sæpius clavato-capitatae.

Alæ (sedentis) erectæ sursumque conniventes. (Volatu durno).

CHARACTER SPECIFICUS, &c.

Papilio alis superioribus nigris albo maculatis, inferioribus cæruleis, (fem: cupreis;) omnibus subtus ocellatis griseo-nebulosis.

Papilio Erminia.

Cram. t. 196. A. B. & 241. A. B.

Indiam incolit Papilio Erminia, et magnitudine vera in tabula depingitur.



Pieris ...

ERMINIA.

GENERIC CHARACTER.

Antennæ thickening towards the end, and commonly terminating in a clavated tip.

Wings (when at rest) meeting upwards. (Flight diurnal.)

SPECIFIC CHARACTER, &c.

Butterfly with black upper-wings spotted with white; blue under-wings, (copper-coloured in the female;) all marked beneath with an eye-shaped spot, and clouded with grey-brown.

Erminia.

Cramer. pl. 196. A. B. and pl. 241.

A. B.

This insect is a native of India, and is represented on the plate in its natural size.

MOTACILLA DUBIA.

CHARACTER GENERICUS.

Rostrum subulatum, rectum, mandibulis subæqualibus.

Nares obovatæ.

Lingua lacero-emarginata.

Lin. Syst. Nat.

CHARACTER SPECIFICUS, &c.

Motacilla ? olivacea, subtus flava, vertice fascia pectorali caudaque nigris, gula alba.

La Cravate blanche.

Levaill. Ois. Afr. pl. 115.

Non satis constat sitne hæc avis Motacillis an Turdis annumeranda. Depingitur in celeberrimo Vaillantii opere, crediturque eam in India generari. Tabula monstrat veram magnitudinem.



Redpoller's Red Flycatcher

THE
DOUBTFUL MOTACILLA.

GENERIC CHARACTER.

Bill subulate, with nearly equal mandibles.

Nostrils obovate.

Tongue jagged or lacerated towards the tip.

SPECIFIC CHARACTER, &c.

Olivaceous Motacilla, yellow beneath, with black crown, pectoral bar and tail, and yellow throat.

La Cravate blanche.

Levaill. Ois. Afr. pl. 115.

It is not perfectly clear whether this bird should be referred to the genus *Motacilla*, or whether it should not rather be considered as a species of *Thrush*. It is figured in the work of Mons. *Levaillant*, and is supposed to be a native of *India*. The plate represents it in its natural size.

HELIX PELLIS SERPENTIS.

CHARACTER GENERICUS.

Animal Limax.

Testa univalvis, spiralis, subdiaphana, fragilis.

Apertura coarctata, intus lunata seu subrotunda, segmento circuli dempto.

CHARACTER SPECIFICUS, &c.

Helix Pellis serpentis. H. testa subcarinata fasciis flammeis rubris albisque picta, subtus punctis quadrifariam cincta, apertura fimbriata.

Lin. Syst. Nat. Gmel. p. 3620.

Helix Pellis Serpentis.

Mart. & Chemn. 11. p. 268.

t. 208. f. 2046. 2047.

List. Conch. t. 66. f. 64.

Petiv. gazoph. t. 156. f. 1.

Ostenditur in tabula vera magnitudo elegantis cochleæ, ad helices terrestres referendæ. De patria ambigitur: crediderim tamen orbis occidui esse incolam.



N. pallasii (L.)

THE
SNAKE-SKIN SNAIL.

GENERIC CHARACTER.

Animal resembling a Slug.

Shell spiral, sub-pellucid.

Aperture semilunar.

SPECIFIC CHARACTER, &c.

Subcarinated Snail, varied with red and white flame-like bands; beneath marked with four rows of specks, and with bordered opening.

Helix Pellis Serpentis.

Mart. & Chemn. 11. p. 268.
pl. 208. f. 2046. 2047.

Helix undata.

Cat. Mus. Port. p. 177.

Limacon dit la peau de serpent.

Favanne cat.rais. p.6. No.16.

The elegant shell here figured is represented in its natural size: it belongs to the division of Land Snails, but its native region is not certainly known. It is however probable that it is a West-Indian shell,

PAPILIO ATYS.

CHARACTER GENERICUS.

Antennæ apicem versus crassiores, sæpius clavato-capitatæ.

Alæ (sedentis) erectæ sursumque conniventes.
(Volatu diurno.)

Lin. Syst. Nat.

CHARACTER SPECIFICUS, &c.

P. alis bicaudatis nigris, basi macula magna cærulea radiata, posterioribus subtus videntibus.

Papilio Atys.

Cram. t. 259. f. E. F.

Surinamiam incolit hic Papilio, et magnitudine vera in tabula depingitur.



Graphis

ATYS.

GENERIC CHARACTER.

Antennæ thickening towards the end, and commonly terminating in a clavated tip.

Wings (when at rest) meeting upwards. Flight diurnal.

SPECIFIC CHARACTER, &c.

Black double-tailed Butterfly, with a large radiated blue spot at the base of the wings; the lower pair green beneath.

Papilio Atys.

Cram. pl. 259. f. E. F.

This insect is a native of Surinam, and is represented on the plate in its natural size.

THE

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MADREPORA FLEXUOSA.

CHARACTER GENERICUS.

Animal Medusa.

Corallium cavitatibus lamelloso-flexuosis.

Lin. Syst. Nat. p. 1272.

CHARACTER SPECIFICUS, &c.

Madrepora flexuosa. M. fasciculata, ramis cylindraceis striatis scabriusculis flexuosis, hinc coalescentibus, stellis concavis, lamellis æqualibus.

Soland. et Ellis Zooph. p. 151.
t. 31. f. 5. 6.

Madrepora flexuosa.

Pall. zooph. 315. No. 184.

Madrepora cæspitosa?

Lin. Syst. Nat.

In maribus Indicis generatur Madrepora flexuosa, cujus veram magnitudinem cernere est in tabula.



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THE
FLEXUOUS MADREPORE.

GENERIC CHARACTER.

Animal allied to a Medusa?

Coral marked by lamellar flexuous or star-shaped cavities.

SPECIFIC CHARACTER, &c.

Fasciculated Madrepora, with cylindric striated, roughish, flexuous branches, coalescing on one side, and with concave stars with equal lamellæ.

Madrepora flexuosa.

Soland. et Ell. zooph. p. 151.
pl. 31. f. 6.

The present species of Madrepora is a native of the Indian seas, and is represented on the plate in its natural size.

PICUS PORTORICENSIS.

CHARACTER GENERICUS.

Rostrum polyedrum, rectum, apice cuneato.

Nares pennis setaceis recumbentibus obtectæ.

Lingua teres, lumbriciformis, longissima, mucronata, apice retrorsum aculeata setis.

Pedes scansorii.

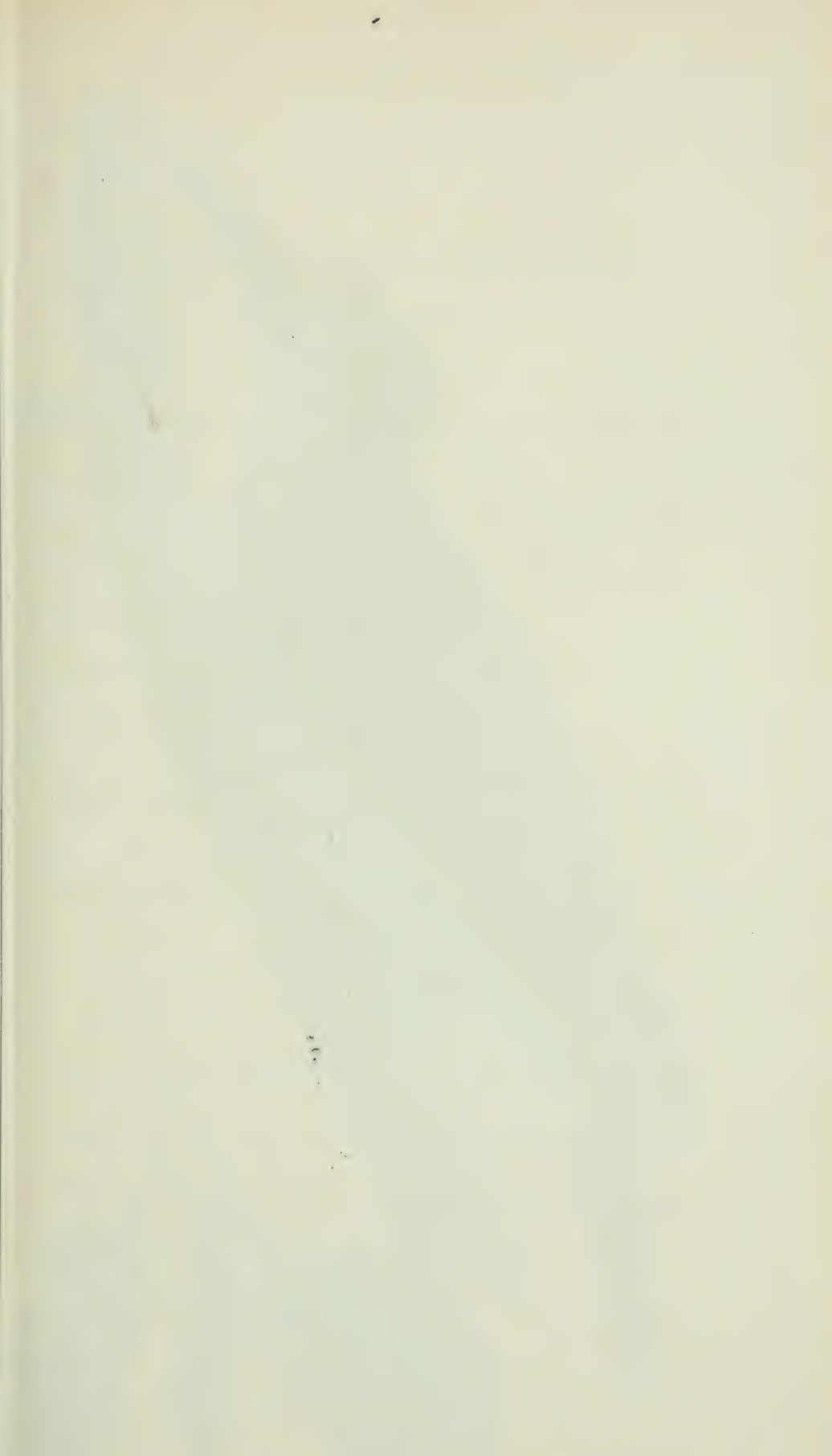
CHARACTER SPECIFICUS, &c.

Picus supra niger, subtus sanguineus, fronte superciliis uropygioque albis.

Daudin. Ann. Mus. Hist. Nat. 2.

p. 286. pl. 51.

Novam omnino et adhuc incognitam censet hanc avem qui primus descripsit Daudinus. In insula Portico generatur, unde nomen adepta est. Magnitudo est quasi merulæ vulgaris, seu turdi merulæ Linnæi. Femina a mari differt coloribus minus vividis, remigibusque secundariis albo marginatis.





THE
PORTORICO WOODPECKER.

GENERIC CHARACTER.

Bill polyedral, strait, wedge-shaped towards the tip.

Nostrils covered by recumbent setaceous feathers.

Tongue worm-shaped, very long, sharp-pointed, and edged towards the tip with reversed bristles.

Feet scansorial.

SPECIFIC CHARACTER, &c.

Black Woodpecker, blood-red beneath, with white front brows and rump.

Pic de Portorico.

Daud. Ann. Mus. Hist. Nat. 2.
p. 286. pl. 51.

This bird is considered by its describer Mons. Daudin as a new and hitherto unobserved species. It is a native of the island of Portorico, and is about the size of the common Blackbird. The female differs in being somewhat less vivid in point of colours, and in having the middle or shorter quill-feathers edged with white.

TRIGLA PINI.

CHARACTER GENERICUS.

Caput magnum, loricaum, lineis scabris.

Opercula spinosa.

Membr. branch. radiis septem.

Digiti (plerisque) liberi ad pinnas pectorales.

CHARACTER SPECIFICUS, &c.

Trigla rubra, digitis ternis, corpore utrinque
lineis numerosis transversis convexis.

Gen. Zool. 4. p. 627.

Trigla pini. T. linea laterali lamellata.

Bloch icht. 10. t. 355.

Speciei quam depinximus, quamque primus descripsit celeberrimus Blochius, nomen specificum datum est a similitudine quam habent foliis pini numerosi isti processus a linea laterali utrinque excurrentes. Magnitudine fere æqualis est *Trigla Gurnardi* Linnæi.



Wrasse (Serranus) ...

THE

PINE-LEAVED GURNARD.

GENERIC CHARACTER.

Head large, mailed, and marked by rough lines.

Gill-Covers spiny.

Gill-Membrane seven-rayed.

Finger-shaped processes (in most species) near the pectoral fins.

SPECIFIC CHARACTER, &c.

Red Gurnard, with triple fingers, and body marked on each side by numerous transverse convex lines.

Gen. Zool. 4. p. 627.

Der Fichtenzweig.

Bloch ichtth. 10. pl. 355.

The present species, first described by Dr. Bloch, has obtained its specific title from the resemblance which the numerous narrow processes on each side the lateral line bear to pine-leaves. The size of this fish is nearly equal to that of the common grey Gurnard or *Trigla Gurnardus* of Linnæus.

PAPILIO BOLINA.

Var?

CHARACTER GENERICUS.

Antennæ apicem versus crassiores, sæpius clavato-capitatae.

Alæ (seditis) erectæ sursumque conniventes. (Volatu diurno.)

Lin. Syst. Nat.

CHARACTER SPECIFICUS, &c.

Papilio alis dentatis nigris, subtus fusco-olivaceis, primoribus maculis duabus, posterioribus solitaria albido-violaceis.

Papilio Lissianassa.

Cram. t. 205. A. B.

Amboinam incolit hic Papilio, cujus veram magnitudinem cernere est in tabula.



D. ...

BOLINA.

Var ?

GENERIC CHARACTER.

Antennæ thickening towards the end, and commonly terminating in a clavated tip.

Wings (when at rest) meeting upwards. Flight diurnal.

SPECIFIC CHARACTER, &c.

Butterfly with denticulated black wings, olive-brown beneath; the upper pair marked by two, the lower by a single whitish-violet spot.

Papilio Lissianassa.

Cram. pl. 205. A. B.

This insect is a native of Amboina, and is represented in its natural size,

MEDUSA PELLUCENS.

CHARACTER GENERICUS.

Corpus gelatinosum, orbiculatum, depressum.

Os subtus, centrale.

Lin. Syst. Nat. p. 1096.

CHARACTER SPECIFICUS, &c.

Medusa hyalina, lineis obscurioribus radiata,
brachiis quatuor centralibus, tentaculis nu-
merosis filiformibus marginalibus.

Medusa pellucens.

Act. Angl. 1810. p. 262. t. 14. f. 3.

In oceano Atlantico generatur elegans hæc species, major sæpe quam in tabula depingitur; atque ex iis est est quæ lucem super mare noctu diffundunt. Ex hac ipsa, de qua jam agitur, spargitur interdum splendor phosphoreus, qui tantum non hebetet et obtundat intuentium oculos. Eximii speciminis quod selegit Josephus Banksius delineata est icon, cujus ad similitudinem pulcherrime exsculpta est Medusa pellucens in volumine postremo Actorum Anglicorum.

THE
PELLUCID MEDUSA.

GENERIC CHARACTER.

Body gelatinous, orbicular, (commonly) depressed.

Mouth central, beneath.

SPECIFIC CHARACTER, &c.

Hyaline Medusa, radiated by somewhat darker streaks, with four central arms, and numerous filiform marginal tentacula.

Medusa pellucens.

Phil. Trans. 1810. p. 262. pl. 14. f. 3.

This elegant Medusa, which often arrives at a much larger size than represented on the annexed plate, is a native of the Atlantic ocean, and is one of those species which contribute to the luminous appearance so frequently observed at sea during the night. So vivid indeed is the phosphoric splendor exhibited by the present species, as almost to fatigue and dazzle the eye of the spectator. It is elegantly figured in the last Volume of the Philosophical Transactions, from a drawing taken from a specimen observed by Sir Joseph Banks.

MOTACILLA OXURA.

CHARACTER GENERICUS.

Rostrum subulatum, rectum ; mandibulis subæqualibus.

Nares ovatæ.

Lingua lacero-emarginata.

Lin. Syst. Nat.

CHARACTER SPECIFICUS, &c.

Motacilla ferruginea, subtus flavescens, rectricibus acuminatis.

Le Figuier acutipennes.

Levaill. Ois. Afr. p. 140. pl. 133.

In Africa interiori generatur hæc avicula, ibique eam primus detexisse videtur Levaillant, locorum umbrosorum prope aquas amatricem. Notat Levaillant hanc solam se vidisse Africanam quæ pennas in cauda gerat acuminatas, scapo nempe paululum ultra apicem excurrente.



Chrysomitris tristis

THE
SHARP-TAILED WARBLER.

GENERIC CHARACTER.

Bill subulate, (or awl-shaped), strait; the mandibles nearly equal.

Nostrils nearly oval.

Tongue jagged or lacerated towards the tip.

SPECIFIC CHARACTER, &c.

Ferruginous Warbler, yellowish beneath, with pointed tail-feathers.

Le Figuier acuti-pennes.

Levaill. Ois. Afr. 3. p. 140.

pl. 133. f. 1. 2.

This little Bird is an inhabitant of the interior parts of Africa, where it seems to have been first observed by Mons. Levaillant, frequenting shady places near waters. Mons. Levaillant tells us that it is the only African bird he has yet seen with pointed tail feathers, *i. e.* so formed that the shaft or mid-rib of each feather extends a little beyond the tip.

SCORPÆNA PORCUS.

CHARACTER GENERICUS.

Caput magnum, aculeatum, cirrosum, obtusum, squamis nudum, subcompressum: *Oculi* vicini.

Dentes maxillis, palato, faucibusque.

Membr. branch. radiis septem.

Corpus torosum. *Pinna dorsalis* unica, radiis anterioribus spinosis.

CHARACTER SPECIFICUS, &c.

Scorpæna fusca nigro variata, cirris ad oculos naresque.

Gen. Zool. 3. p. 267.

Scorpæna Porcus. S. cirris ad oculos naresque.

Lin. Syst. Nat.

Scorpæna squamis parvis, maxilla inferiore imberti.

Bloch ichth. t. 181.

Non paucos alit mare Mediterraneum *Scorpænas Porcos*, in litoribus præcipue degentes, inter algam et saxa piscibus minoribus et insectis marinis insidiantes. Crescere plerumque solet *Scorpæna Porcus* in longitudinem pedalem, seu pedalem cum quadrante.



THE
PORCINE SCORPÆNA.

GENERIC CHARACTER.

Head large, aculeated, cirrhose, obtuse, without scales, subcompressed: Eyes placed near each other.

Teeth in the jaws, palate, and throat.

Gill-Membrane seven-rayed.

Body fleshy: *dorsal fin* single, with the rays of the fore-part spiny.

SPECIFIC CHARACTER, &c.

Brown Scorpæna, variegated with black, with cirri at the eyes and nose.

Porcine Scorpæna.

Gen. Zool. 3. p. 266.

Der kleinschuppige Drakenkopf.

Bloch ichtth. pl. 181.

This fish is by no means an uncommon inhabitant of the Mediterranean sea, where it chiefly frequents the shores, lying in ambush among weeds, stones, &c. and preying on the smaller fishes and sea insects. Its general length is about twelve or fifteen inches.

BUCCINUM INFLATUM.

CHARACTER GENERICUS.

Animal Limax.

Testa univalvis, spiralis, gibbosa.

Apertura desinens in canaliculum dextrum cauda
retusum.

Labium interius explanatum.

Lin. Syst. Nat. p. 1198.

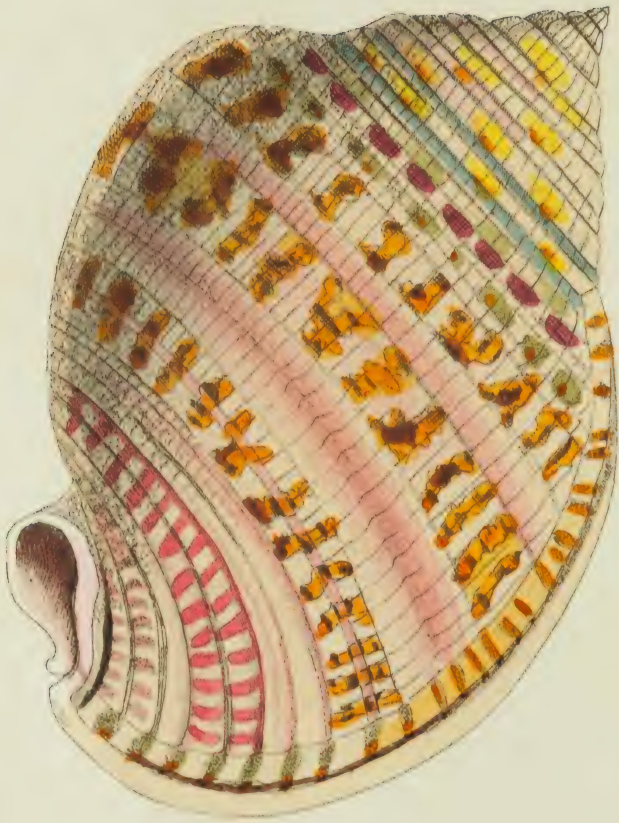
CHARACTER SPECIFICUS, &c.

Buccinum ventricosum sulcatum albidum, fasciis transversis interruptis ferrugineis, labio interiore granulato.

Buccinum cassideum tessellatum.

Martini-Chemm. vol. 11. p. 76.
t. 186. f. 1792. 1793.

Elegantem Buccini speciem depinximus in maribus Indicis et Africanis innasci creditam. Ostendit tabula veram speciminis magnitudinem.



Scallop shell, showing the intricate, multi-colored pattern of concentric and radial lines.

INFLATED BUCCINUM.

GENERIC CHARACTER.

Animal allied to a Slug.

Shell univalve, spiral, gibbous.

Aperture ovate, ending in a channel pointing towards the right.

Inner Lip expanded.

SPECIFIC CHARACTER, &c.

Whitish, ventricose, furrowed Buccinum, with transverse, interrupted, ferruginous bands, and granulated inner lip.

The Peacock Buccinum.

Peacock Helmet.

This elegant species of Buccinum is supposed to be a native of the Indian and African seas, and is represented on the plate in its natural size.

PHALÆNA HYPHINOE.

CHARACTER GENERICUS.

Antennæ setaceæ, a basi ad apicem sensim attenuatæ.

Alæ (sedentis) sæpius deflexæ, (volatu nocturno.)

Lin. Syst. Nat.

CHARACTER SPECIFICUS, &c.

Phalæna (Bombyx) alis cæruleis, primoribus flavo maculatis et marginatis.

Phalæna Hyphinoe. Ph. alis cæruleis, primoribus flavo maculatis.

Lin. Syst. Nat. Gmel.

Cram. t. 154. f. B.

Fabr. sp. ins. 2. p. 181.

Amboinam incolit Phalæna Hyphinoe, et magnitudine vera in tabula depingitur.

946



HYPHINOE.

GENERIC CHARACTER.

Antennæ setaceous, gradually lessening from the base to the tip.

Wings (when sitting) generally deflected. Flight nocturnal.

SPECIFIC CHARACTER, &c.

Moth with blue wings, the upper pair spotted and bordered with yellow.

Hyphinoe.

Cram. pl. 154. f. B.

The Moth figured on the present plate is a native of Amboina, and is represented in its natural size.

TURDUS PERSPICAX.

CHARACTER GENERICUS.

Rostrum tereti-cultratum : mandibula superiore apice deflexo, emarginato.

Nares nudæ, superne membranula tectæ.

Faux ciliata.

Lingua lacero-emarginata.

Lin. Syst. Nat.

CHARACTER SPECIFICUS, &c.

Turdus cinereo-cærulescens, subtus ferrugineo-flavescens, remigibus caudaque nigricantibus.

L'Espionneur.

Levaill. Ois. Afr. t. 103.

Turdum depinximus tum magnitudine tum coloribus turdo saxatili Linnæi simillimum, in Africa orientali et inferiori generatum. Descripsit eum Levaillant in eleganti opere de avibus Africanis; a quo accepimus insigni esse præditum oculorum acie, miraque in devitandis hostibus solertia; quorum motus adeo diligenter et accurate observare dicitur, ut specimen scloppo confectum non sine dolis multaue moræ patientia parari possit.

NATIONAL MUSEUM OF VICTORIA

THE HISTORY OF THE

REIGN OF

CHARLES THE FIRST

BY JOHN BURNET

IN TWO VOLUMES

THE SECOND VOLUME

1679

LONDON

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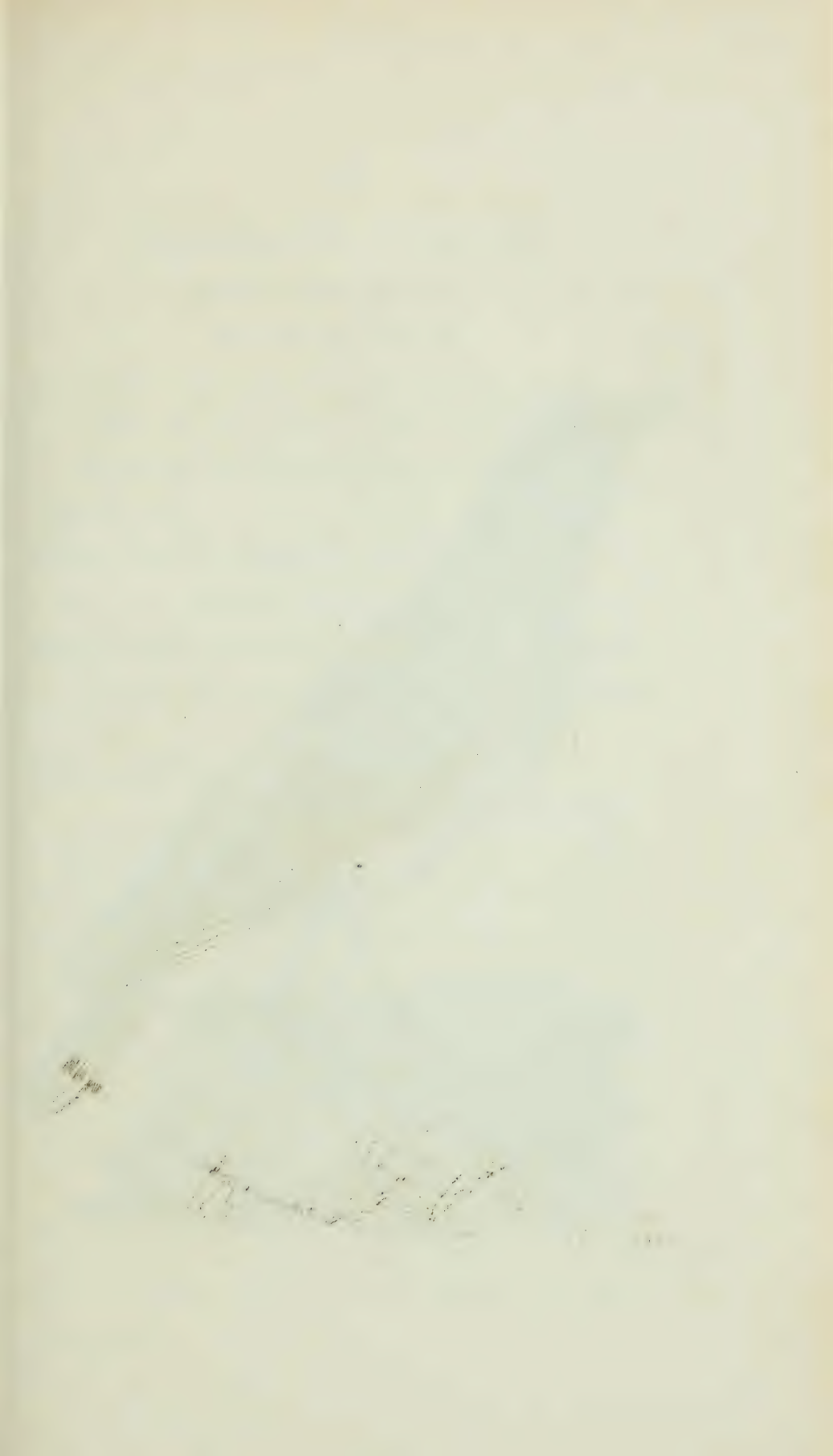
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961



THE
WATCHFUL THRUSH.

GENERIC CHARACTER.

Bill strait, obtusely carinated at top, bending a little at the point, and slightly notched near the end of the upper mandible.

Nostrils oval.

Tongue slightly jagged at the end.

SPECIFIC CHARACTER, &c.

Blueish ash-coloured Thrush, yellowish ferruginous beneath, with blackish wings and tail.

L'Espionneur.

Levaill. Ois. Afr. pl. 103.

The present species of Thrush, which is considerably allied both in size and colours to the *Turdus saxatilis* of Linnæus, is an inhabitant of the Eastern and lower parts of Africa, and is not uncommon about the mountains of the Cape of Good Hope. Mons. Levaillant, by whom it is described in his elegant work on the Birds of Africa, informs us that it is remarkable for the quickness of its sight, and the happy dexterity with which it withdraws itself from the pursuit of its enemies, being perpetually on the watch, and observing all the motions of those who intrude on its retreats; so that it requires the utmost patience and attention in order to obtain a specimen by means of the gun.

THE HISTORY OF THE

REIGN OF

CHARLES THE FIRST

BY JOHN BURNET

IN TWO VOLUMES

THE SECOND

BY JOHN BURNET

Printed by J. Sturges, at the Theatre-French, in the Strand, 1704.

SERTULARIA CONTORTA.

CHARACTER GENERICUS.

Animal crescens plantæ habitu.

Stirps emittens e cellulis vel denticulis calyciformibus hydras.

Lin. Syst. Nat. Gmel. p. 3844.

CHARACTER SPECIFICUS, &c.

Sertularia filiformis ramosa, pedunculis contortis.

Corallina filiformis ramosa, pedunculis calyculorum contortis.

Ell. Corall. tab. 38. f. 3.

Corallina procumbens, &c.?

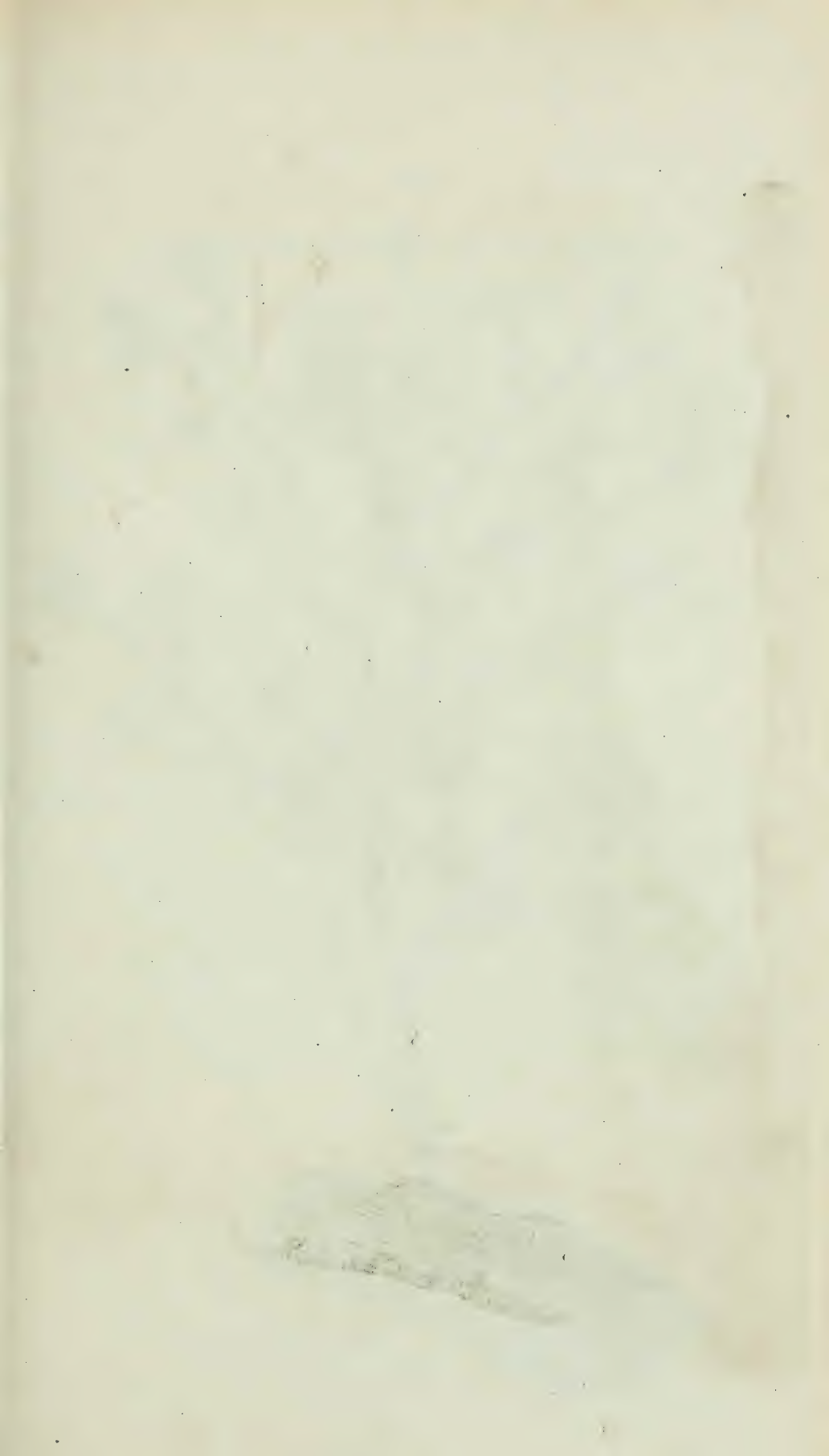
Ell. Corall. p. 21. t. 12. f. 18.

a. A. C.?

Corallina dichotoma.?

Lin. Syst. Nat.

In variis Britannicis et Europæis litoribus adhæret parva hæc *Sertularia* rupibus, conchis, et reliquis ejusmodi, longa duas, tres, vel plures uncias. In tabula nostra exprimitur magnitudo tam aucta quam vera, ut clarius pateant characteres specifici.



Genus
962



Drawn & Engraved by J. G. Smith

THE
CONTORTED SERTULARIA.

GENERIC CHARACTER.

Animal growing with the appearance of a plant.
Stem emitting Polypes from calycular cells or
denticles.

SPECIFIC CHARACTER, &c.

Branched filiform Sertularia, with twisted foot-
stalks.

Corallina filiformis, &c.

Ell. Corall. pl. 38. f. 3.

This small Sertularia is found adhering to rocks, shells, &c. on various parts of the British and other European coasts, and grows to the length of two or three inches or more. It is represented on the present plate in its magnified as well as natural appearance, in order the more clearly to shew the distinctive characters of the species.

PHALÆNA DOMINULA.

CHARACTER GENERICUS.

Antennæ setaceæ, a basi ad apicem sensim attenuatæ.

Alæ (sedentis) sæpius deflexæ. (Volatu nocturno.)

Lin. Syst. Nat.

CHARACTER SPECIFICUS, &c.

Phalæna (Noctua) alis atro-viridibus maculis albo-flavescentibus, inferioribus corporeque rubris nigro-maculatis.

Phalæna Dominula. Phalæna (Noctua) spirilinguis, alis atris sericeis, maculis albo-flavescentibus; inferioribus rubris nigro-maculatis.

Lin. Syst. Nat. p. 834.

Folia cynoglossi urticæque præcipue depascitur larva puchræ hujus phalænæ. In chrysalidem mense Maio plerumque convertitur, e qua mense Junio erumpit insectum plene formatum.

959
963



Handwritten signature or text

THE
SCARLET TIGER MOTH.

GENERIC CHARACTER.

Antennæ setaceous, gradually lessening from base to tip.

Wings (when sitting) generally deflex. Flight nocturnal.

SPECIFIC CHARACTER, &c.

Moth with black-green upper wings spotted with yellowish white, and red under wings and body spotted with black.

Albin. ins. pl. 22.

Merian Ins. Eur. 2. pl. 38.

Roes. Ins. 3. pl. 47.

The Caterpillar of this beautiful Moth feeds principally on the leaves of nettle and houndstongue; generally changing into chrysalis in the month of May, from which in the month of June emerges the complete insect.

TURBO NAUTILEUS.

CHARACTER GENERICUS.

Animal Limax.

Testa univalvis, spiralis, solida.

Apertura coarctata, orbiculata, integra.

Lin. Syst. Nat.

CHARACTER SPECIFICUS, &c.

Turbo testa complanata subpellucida subfusca,
cristis dorsalibus transversis acuminatis.

Turbo nautileus. T. testa planiuscula, an-
fractibus annulatis dorso cristatis.

Lin. Syst. Nat. p. 1241.

Parva hæc sed elegans turbinis species ab ingenioso Roeselio primum, ut opinor, depicta et descripta est. Aquas incolit stagnantes. Ostendit tabula tam veram quam auctam magnitudinem. Vultu est ambiguo: habitu nempe seu facie generali helices complanatas referens; cum character peculiaris seu essentialis, apertura nempe plene orbiculata, conveniat turbini Linæano.



Nautilus pompilius Linn.

THE
NAUTILOID TURBO.

GENERIC CHARACTER.

Animal snail-shaped.

Shell univalve, spiral.

Aperture orbicular.

SPECIFIC CHARACTER, &c.

Turbo with pale-brown semitransparent flattened shell, with a series of dorsal transverse pointed crests.

Ammonshorn.

Röes. vol. 4. p. 599. pl. 97. f. 7.

The small but elegant species of Turbo represented on the present plate, both in its natural size and as it appears when magnified, is a frequent inhabitant of stagnant waters, and seems to have been first described and figured by the ingenious Röesel. It may be considered as a kind of ambiguous species; having the general habit of the flat-shelled Snails, with the peculiar or essential character of a Linnæan Turbo; viz. a perfectly rounded opening.

MOTACILLA PECTORALIS.

CHARACTER GENERICUS.

Rostrum subulatum, rectum; mandibulis subæqualibus.

Nares obovatæ.

Lingua lacero-emarginata.

Lin. Syst. Nat.

CHARACTER SPECIFICUS, &c.

Motacilla olivaceo-cinerea, pectore uropygio caudaque (rectricibus duabus mediis exceptis) rufis, genis nigris, superciliis albis.

Le Janfrederic.

Levaill. Ois. Afr. t. 111.

Partes Africæ inferiores incolit Motacilla pectoralis, et magnitudine vera in tabula depingitur.



Spizella socialis G. Cuvier

THE
RUFIOUS-BREASTED WARBLER.

GENERIC CHARACTER.

Bill subulate, strait; mandibles nearly equal.

Nostrils nearly oval.

Tongue jagged or lacerated towards the tip.

SPECIFIC CHARACTER, &c.

Cinereous-olive Warbler, with rufous breast, rump and tail, (except the two middle feathers), black checks, and white brows.

Le Janfrederic.

Levaill. Ois. Afr. pl. 111.

The Rufous-breasted Warbler is an inhabitant of the lower parts of Africa, and is represented on the annexed plate in its natural size.

COTTUS SCABER.

CHARACTER GENERICUS.

Caput corpore latius, spinosum : Oculi verticales, membrana nictitante instructi.

Membr. branch. radiis sex.

Corpus (plerisque) alepidotum, versus caudam attennatum.

Pinnæ dorsales (plerisque) duæ.

CHARACTER SPECIFICUS, &c.

Cottus subfuscus squamosus, fasciis transversis fuscis, capite striis longitudinalibus serratis, linea laterali aculeata.

Gen. Zool. 4. p. 259.

Cottus scaber. C. capite striis, corpore squamis serratis, linea laterali elevata.

Lin. Syst. Nat.

Cottus linea laterali aculeata.

Bloch. ichth. t. 159.

Maria incolit Indica *Cottus scaber*, longitudine, ut plurimum, pedali vel sesquipedali.



Wrasse - Blue - variety

THE
ROUGH BULLHEAD.

GENERIC CHARACTER.

Head broader than the body, spiny. Eyes vertical, and furnished with a nictitating membrane.

Gill-Membrane six-rayed.

Body (in most species) without scales, attenuated towards the tail.

Dorsal fins (in most species) two.

SPECIFIC CHARACTER, &c.

Brownish scaly Bullhead, with transverse brown bands; head marked with longitudinal serrated streaks; and spiny lateral line.

Rough Bullhead.

Gen. Zool. 4. p. 259.

The *Cottus scaber* or rough Bullhead, is an inhabitant of the Indian seas, it is generally seen of the length of a foot or eighteen inches.

PHALÆNA VINULA.

CHARACTER GENERICUS.

Antennæ setaceæ, a basi ad apicem sensim attenuatæ.

Alæ (sedentis) sæpius deflexæ, (volatu nocturno).

Lin. Syst. Nat.

CHARACTER SPECIFICUS, &c.

Phalæna corpore lanuginoso albo nigro punctato, alis albidis, superioribus nigro striatis.

Phalæna Vinula. P. *Bombyx* elinguis albida nigro-punctata, alis subreversis fusco venosis striatisque.

Lin. Syst. Nat.

Originem ducit Phalæna Vinula ab eruca insolitæ pulchritudinis, quæ folia salicum præcipue depascitur, et in chrysalidem mense Augusto plerumque convertitur, unde insequente Maio erumpit ipsa Phalæna.

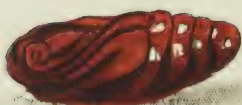


Illustration by J. B. Smith

THE
PUSS MOTH.

GENERIC CHARACTER.

Antennæ setaceous, gradually lessening from base to tip.

Wings (when sitting) generally deflected.

Flight nocturnal.

SPECIFIC CHARACTER, &c.

Moth with downy white body spotted with black; and whitish wings, the upper pair streaked with black.

Vinula, or Puss-Moth.

Alpin. ins. pl. 11.

Roes. ins. 1. pl. 19.

The Moth represented on the present plate, proceeds from an uncommonly beautiful caterpillar, which feeds chiefly on the leaves of willows, and generally changes to a chrysalis in the month of August, from which in the following May emerges the complete insect.

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The Manager.

LANGAYA NASUTA.

CHARACTER GENERICUS.

Scuta abdominalia.

Annuli caudales.

Squamæ terminales.

CHARACTER SPECIFICUS, &c.

Langaya maxilla superiore rostrata.

Langaya nasuta.

Gen. Zool. 3. p. 571.

Langaha.

Bruguiere Journ. de Physique,
1784.

Constat hucusque genus Langaya ex unica specie, discrepatque a reliquo serpentino genere quod annulata sit caudæ superior pars eodem fere modo quo corpus *Amphisbænæ*, squamata autem sit extrema pars, ut fieri solet in genere *Anguis*. Primus eam descripsisse videtur Dominus Bruguiere in opere quod dicitur *Journal de Physique* anni millesimi septingentesimi octogesima quarti. Insulam incolit Madagascariam Langaya nasuta, eamque formidare dicuntur incolæ utpote periculose venenatam.



THE
LONG-SNOUDED LANGAYA.

GENERIC CHARACTER.

Abdominal *Plates*.

Caudal *Rings*.

Terminal *Scales*.

SPECIFIC CHARACTER, &c.

Langaya with the upper jaw produced in form
of a snout.

Snouted Langaya.

Gen. Zool. 3. p. 571.

Langaha.

Cepede ovip. 2. p. 469.

The genus Langaya, consisting at present of a single species only, differs from all the rest of the Serpent tribe, in having the upper part or beginning of the tail, marked into complete rings or circular divisions, resembling those on the body of the genus *Amphisbæna*, while the extreme or terminal part is covered with small scales, as in the genus *Anguis*. The *Langaya nasuta* or long-snouted Langaya, is a native of Madagascar, and seems to have been first described by Mons. Bruguiere in the *Journal de Physique* for the year 1784. It is said to be much dreaded by the natives of Madagascar, who consider it as of a highly poisonous nature.

MOTACILLA THORACICA.

CHARACTER GENERICUS.

Rostrum subulatum, rectum; mandibulis subæqualibus.

Nares obovatæ.

Lingua lacero-emarginata.

Lin. Syst. Nat.

CHARACTER SPECIFICUS, &c.

Motacilla griseo-olivacea, subtus subflavescens, gula alba, loris fasciaque pectorali nigris.

Le Plastron noir.

Levaill. Ois. Afr. pl. 123.

Partes Africæ interiores incolit *Motacilla thoracica*, et magnitudine vera in tabula depingitur.



THE
THORACIC WARBLER.

GENERIC CHARACTER.

Bill subulate, strait; mandibles nearly equal.

Nostrils nearly oval.

Tongue jagged or lacerated towards the tip.

SPECIFIC CHARACTER, &c.

Greyish-olive Warbler, yellowish beneath, with white throat and black lores and pectoral band.

Le Plastron noir.

Levaill. Ois. Afr. pl. 123.

The Thoracic Warbler is an inhabitant of the interior parts of Africa, and is represented on the plate in its natural size.

HYDRA LONGIMANA.

CHARACTER GENERICUS.

Corpus elongatum, tubulatum.

Os cinctum brachiis seu tentaculis retractilibus.

CHARACTER SPECIFICUS, &c.

Hydra subfusca, corpore postice attenuato, tentaculis longissimis.

Hydra fusca? H. tentaculis suboctionis longissimis.

Lin. Syst. Nat. p. 1320.

Species de qua jam agitur, Hydris viridi fuscaque rarior, ab iis facile dignoscitur corpore postico multo tenuiore, et tentaculis longioribus; quæ ad extremum extensa æquant quinque vel sex uncias, vix araneo crassiora, in apices tamen desinentia paulo ampliores. Utitur eodem fere vivendi modo quo reliqui congeneres aquarum dulcium incolæ, et non solum in stagnis versatur, sed etiam præponere iis videtur parvulos rivulos. Color communis est fusco-pallidus. Non semper certus est et constans tentaculorum numerus; sunt enim octo, novem, duodecim, vel etiam tredecim.

Quæ in medio est tabulæ nostræ figura ostendit animalculum modice auctum. A reliquis cognoscas veram magnitudinem.



THE

LONG-ARMED POLYPE.

GENERIC CHARACTER.

Body lengthened, tubular.

Mouth surrounded by contractile arms or tentacula.

SPECIFIC CHARACTER, &c.

Pale-brown Polype, with the body attenuated behind, and extremely long arms.

Baker Hist. Pol. p. 22.

Roes. Hist. Pol. pl. 85.?

The present species of Polype, which is somewhat less common than the green and the deep brown Polype, is distinguished by the more attenuated appearance of the hinder part of the body, as well as by the far greater length of the arms or tentacula, which, when fully extended, often measure not less than five or six inches in length, at which time they appear almost of the tenuity of a spider's thread, and terminate in a slight enlargement at the tip.

In its general manners and history this species resembles the rest of the fresh-water Polypes, and is found not only in stagnant waters, but in small rills or streams which have a moderate current, and which it rather seems to prefer. Its general colour is a pale

brown, and in the number of its arms it varies from eight or nine to twelve or thirteen.

The middle or principal figure on the annexed plate represents the animal moderately magnified: the rest exhibit the natural size.

SALMO RHOMBEUS.

CHARACTER GENERICUS.

Caput læve, compressum: *Lingua* cartilaginea.

Dentes in maxillis, lingua.

Membr. branch. radiis quatuor ad decem.

Corpus elongatum, postice pinna adiposa.

CHARACTER SPECIFICUS, &c.

Salmo rhombeus. S. rufescens, abdomine argenteo serrato, cauda nigro marginata.

Gen. Zool. 5. p. 75.

Salmo rhombeus. S. abdomine serrato, pinna anali caudalique basi margineque nigris.

Lin. Syst. Nat. p. 514.

Salmo abdomine serrato.

Bloch. ichth. t. 383.

Flumina incolit Surinamensia *Salmo rhombeus*, in magnam sæpe crescens molem, pedes nempe duos vel tres longitudine æquans.



Chromis chromis

THE
RHOMBIC SALMON.

GENERIC CHARACTER.

Head smooth, compressed: *Tongue* cartilaginous.

Teeth both in the jaws and on the tongue.

Gill-Membrane from four to ten-rayed.

Body compressed, furnished at the hind part with an adipose fin.

SPECIFIC CHARACTER, &c.

Rufescent Salmon, with silvery, serrated abdomen, and tail edged with black.

Rhombic Salmon.

Gen. Zool. 5. p. 75.

Der Sagebauch.

Bloch. ichth. pl. 383.

The Rhombic Salmon is an inhabitant of the rivers of Surinam, where it is often seen of very large size, measuring two or three feet in length.

PHALÆNA VILLICA.

CHARACTER GENERICUS.

Antennæ setacæ, a basi ad apicem sensim attenuatæ.

Alæ (sedentis sæpius deflexæ (volatu nocturno.)

CHARACTER SPECIFICUS, &c.

Phalæna alis superioribus nigris albo-flavente maculatis, inferioribus luteis nigro maculatis.

Phalæna (Bombyx) spirilinguis? alis deflexis atris, maculis octo albidis, inferioribus flavis nigro-maculatis.

Lin. Syst. Nat.

Larva polyphaga Phalænae Villicæ folia urticæ, plantaginis, alsines, aliarumque plantarum depascitur, in chrysalidem mense Maio plerumque sese convertens, unde mense Junio erumpit insectum plene formatum.

THE
CREAM-SPOTTED TIGER MOTH.

GENERIC CHARACTER.

Antennæ setaceous, gradually lessening from base to tip.

Wings (when sitting) generally deflex. Flight nocturnal.

SPECIFIC CHARACTER, &c.

Moth with black upper wings spotted with cream-colour, and yellow lower wings spotted with black.

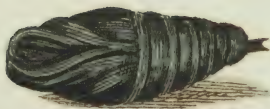
The Cream-Spotted Tiger Moth.

Alb. ins. pl. 21.

Roes. 4. pl. 28. 29.

Ream. 1. pl. 31.

The Caterpillar of this Moth is of a polyphagous nature, feeding on the leaves of nettle, chickweed, plantain and several other vegetables. It generally changes into a chrysalis in the month of May, from which, in the month of June emerges the complete insect.



R. N. Edwards Del. Peck. Sc.

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 937. *Lory blue-tipped.*
 925. ————— *Ceram.*
 935. *Mackrel Zebra.*
 946. *Madrepore annular.*
 952. ————— *flexuous.*
 956. *Medusa pellucid.*
 928. *Moth Venus.*
 932. ————— *Matronula.*
 934. ————— *Cape.*
 938. ————— *Agarista.*
 960. ————— *Hyphinoe.*
 963. ————— *scarlet Tiger.*
 967. ————— *Pass.*
 972. ————— *cream-spot Tiger.*
 927. *Murex rock.*
 929. *Pigeon undulated.*
 970. *Polype long-armed.*
 971. *Salmon rhomboid.*
 958. *Scorpæna porcine.*
 962. *Sertularia contorted.*
 930. ————— *Pine.*
 950. *Snail snake-skin.*
 939. *Sparus Vosmerian.*
 926. *Strombus ear.*
 961. *Thrush watchful.*
 930. *Trichiure silver.*
 964. *Turbo nautiloid.*
 944. *Volute Pacific.*
 941. *Vulture Pondicherry.*
 949. *Warbler doubtful.*
 957. ————— *sharp-tailed.*
 965. ————— *rufous-breasted.*
 969. ————— *thoracic.*
 953. *Woodpecker Portorico.*

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