

**The naturalists' miscellany, or, Coloured figures of natural objects; drawn and described immediately from nature.**

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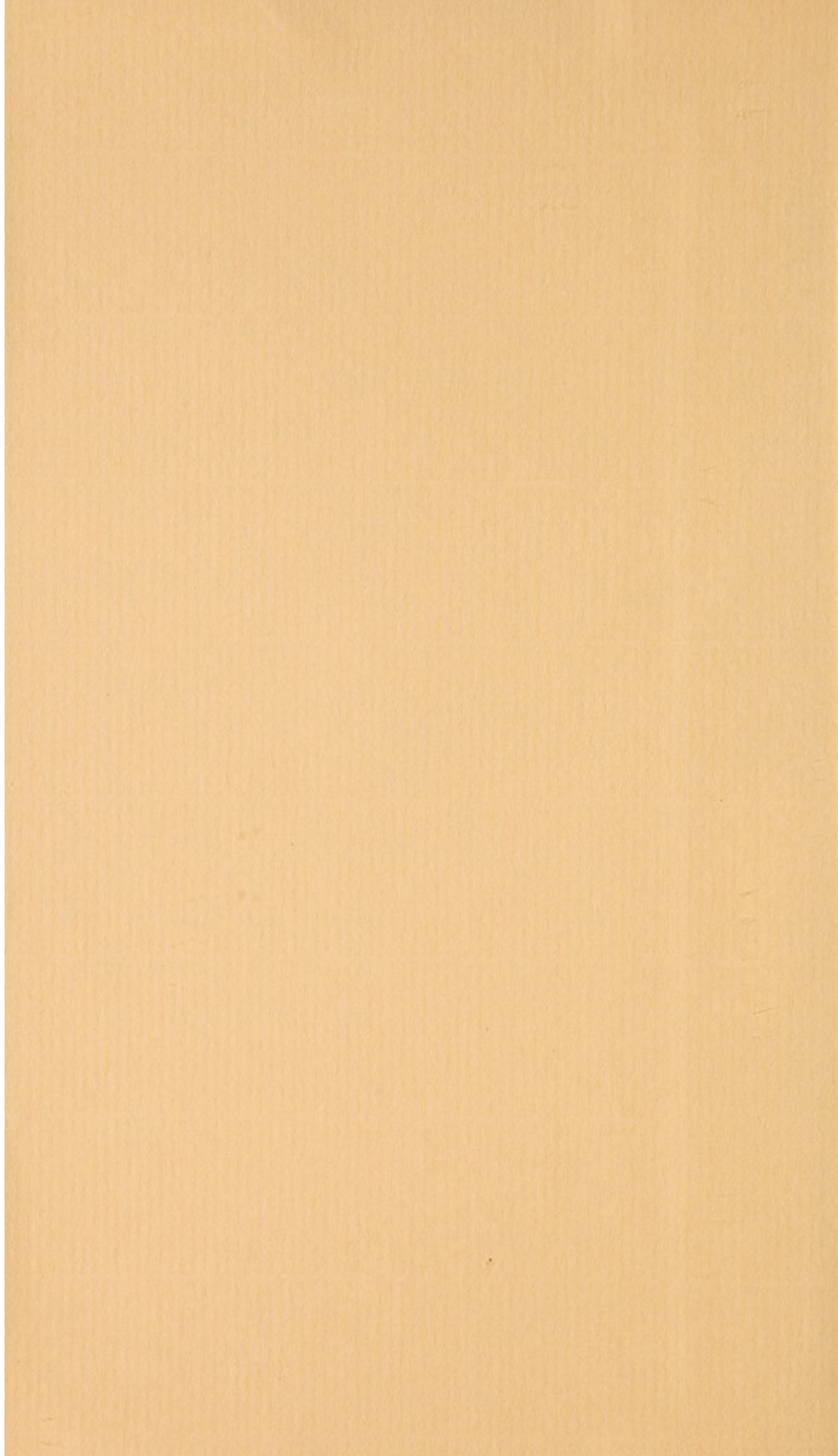


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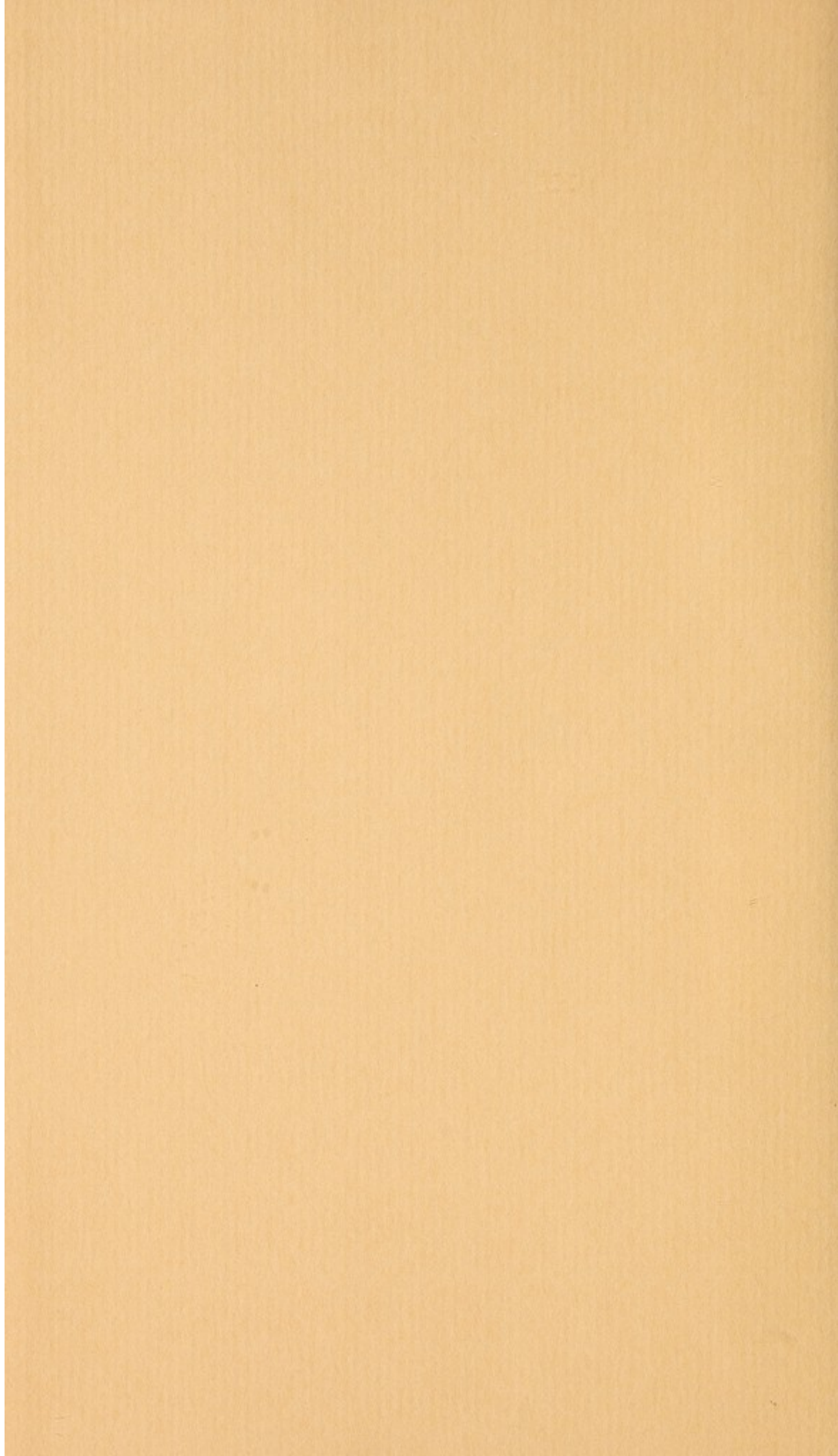






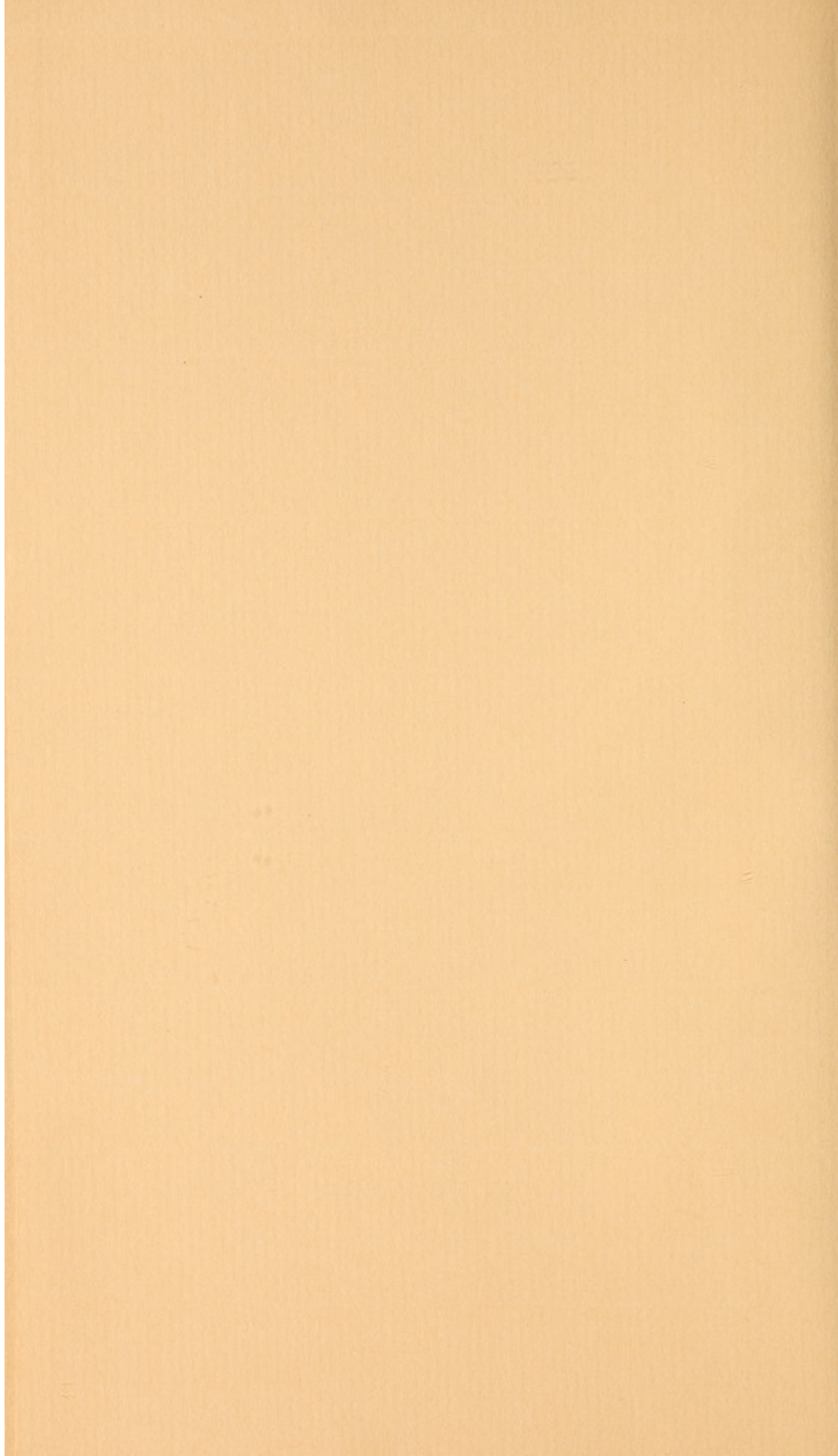
















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TAM REGIÆ QUAM ANTIQUARIÆ

SOCIO, &c. &c. &c.

HUNC

VICESIMUM TERTIUM

*NATURÆ VIVARIII*

FASCICULUM

D. D. D.

GEORGIUS SHAW,

E. NODDER.



TO

THE REV. ROBERT NARES,

F.R. AND F.A.S.

ARCHDEACON OF STAFFORD,

CANON RESIDENTIARY OF LICHFIELD,

&c. &c. &c.

THIS TWENTY-THIRD VOLUME

OF THE

*NATURALIST'S MISCELLANY*

IS INSCRIBED,

AS A TESTIMONY OF FRIENDSHIP,

BY

GEORGE SHAW,

E. NODDER.





## MOTACILLA DIOPHRYS.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Rostrum* subulatum, rectum; mandibulis subæqualibus.

*Nares* obovatæ.

*Lingua* lacero-emarginata.

*Lin. Syst. Nat.*

### CHARACTER SPECIFICUS, &c.

*Motacilla* ferrugineo-fusca subtus alba, cauda cuneata, stria supra infraque oculos nigra.

Le Double-Sourcil.

*Levaill. Av. Afr. t. 128.*

---

Hujus avis ostendit tabula veram et naturalem magnitudinem. Generant eam partes Africæ interiores. Femina caret striis oculariis nigris.

THE  
DOUBLE-STREAKED WARBLER.

\*\*\*\*\*

GENERIC CHARACTER.

*Bill* subulate, strait; mandibles nearly equal.

*Nostrils* nearly oval.

*Tongue* jagged or lacerated towards the tip.

SPECIFIC CHARACTER, &c.

Ferruginous-brown Warbler, white beneath,  
with cuneated tail, and black stripe above  
and below the eyes.

Le Double-Sourcil.

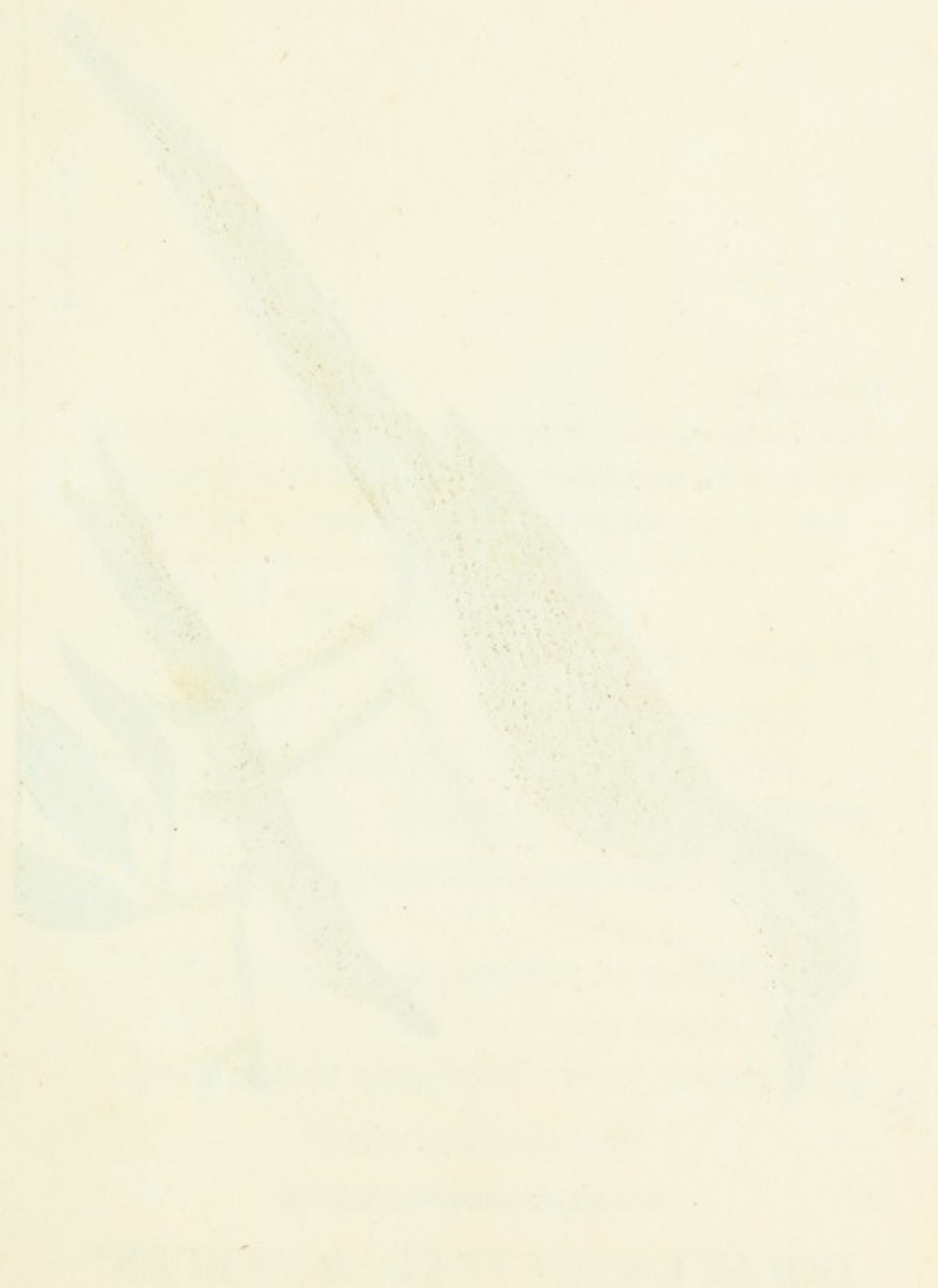
*Levaill. Ois. Afr. pl. 128.*

---

This bird is represented on the plate in its natural size. It is an inhabitant of the interior parts of Africa. The female is distinguished by the want of the black eye-stripes.







# SCARABÆUS MICANS.

\*\*\*\*\*

## CHARACTER GENERICUS.

*Antennæ* clavatæ, capitulo fissili.

*Tibiæ* anticæ sæpius dentatæ.

*Lin. Syst. Nat.*

## CHARACTER SPECIFICUS, &c.

Scarabæus viridissimus, nitens, capite subquadrato, cornu frontali bifurco fusco.

Cetonia micans. C. viridis nitens, clypeo porrecto recurvo bifido, tibiis anticis serratis.

*Fabr. spec. ins. p. 50.*

---

Africana est hæc Scarabæi species, et magnitudine vera in tabula depingitur.

THE  
SHINING BEETLE.

\*\*\*\*\*

GENERIC CHARACTER.

*Antennæ* divided at the tip or head into several lamellæ.

*Tibiæ* (or second joints of the fore legs) generally toothed.

SPECIFIC CHARACTER, &c.

Shining grass-green Beetle, with squarish head, and brown forked frontal horn.

La Cetoine eclatante.

*Oliv. Coleopt.*

*Drury ins.* 2. pl. 32. f. 3.

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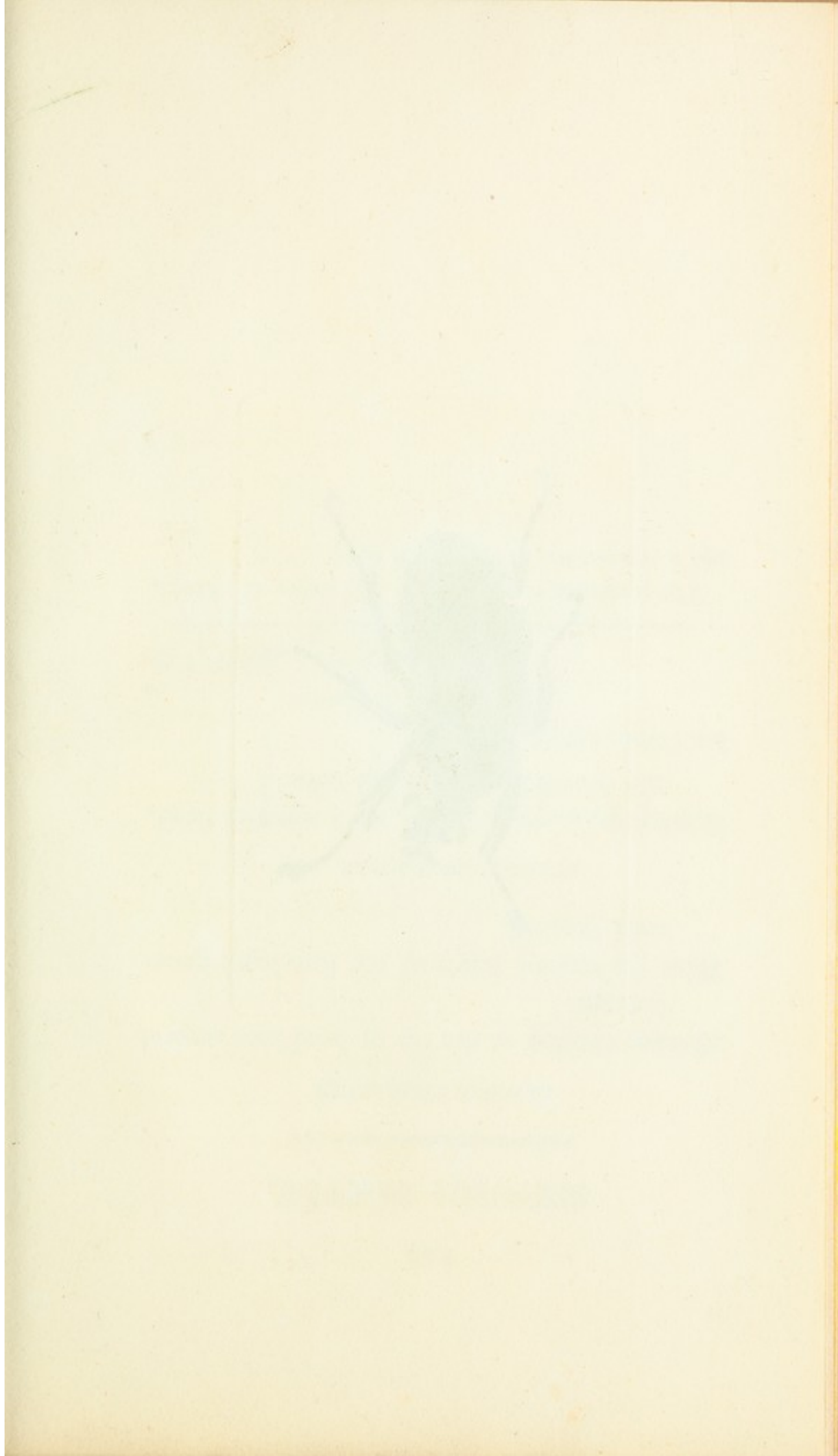
The present species of Beetle is a native of Africa, and is represented in its natural size.



974



*Stag Beetle*



## SPARUS JUBA.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Dentes* validi: *primores* ordine simplici, duplici, triplici, vel quadruplici dispositi.

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

*Labia* crassa: Opercula mutica, squamosa.

### CHARACTER SPECIFICUS, &c.

*Sparus Juba*. *S. argenteus*, dorso violaceo, pinis flavo luteoque variatis, cauda bimaculata.

*Gen. Zool.* 4. p. 431.

*Perca Juba*. *P. maculis duabus brunneis in pinna caudali.*

*Bloch. ichth.* 9. t. 311. f. 1.

*Guatucupa Juba*.

*Marcgr. Bras.*

*Will. ichth.*

---

Maria incolit Americana *Sparus Juba*, in bipedalem crescens longitudinem.



1880

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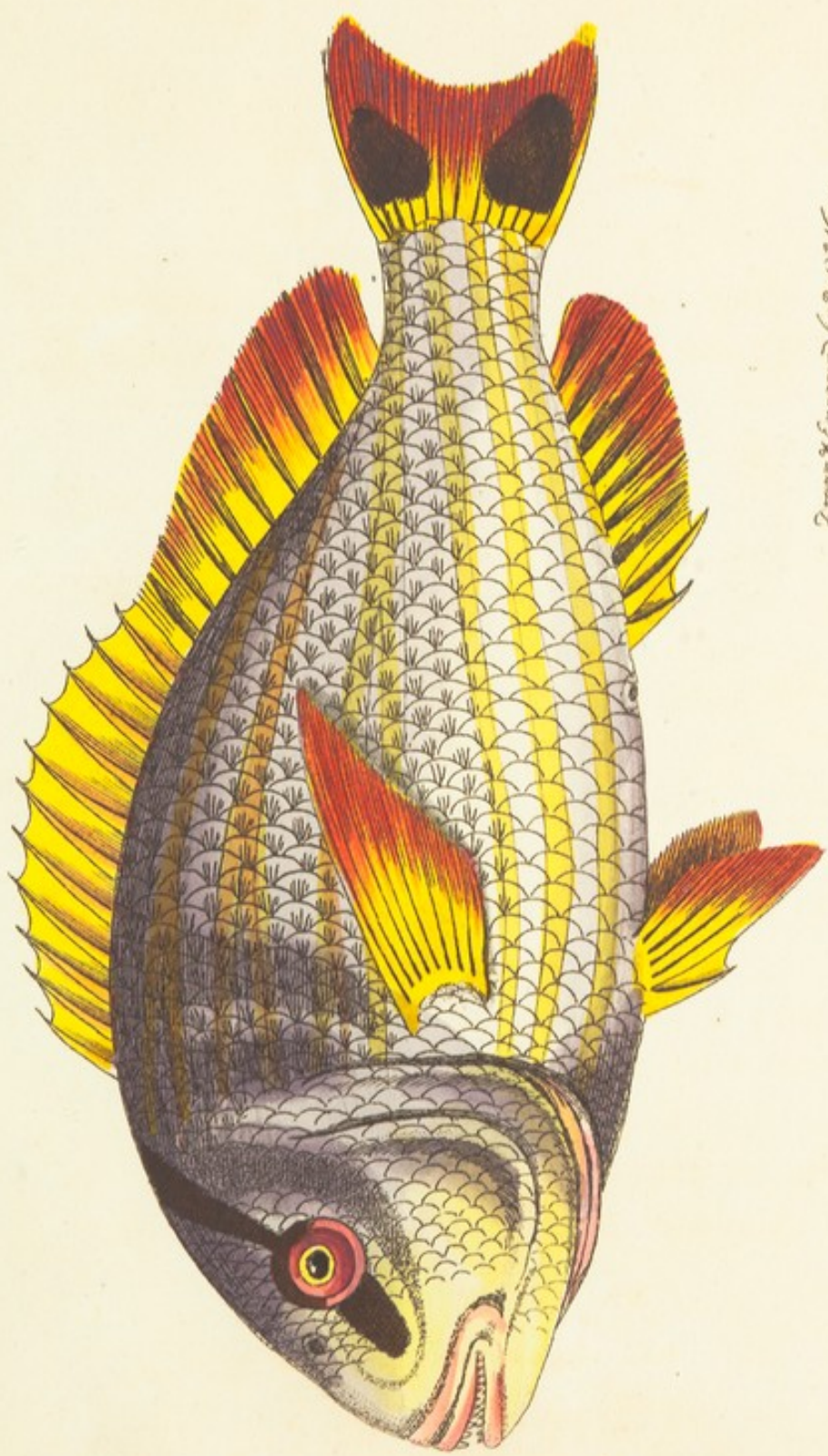
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*Drawn & Engraved by R. S. P. Hudson*



THE  
JUBA SPARUS.

\*\*\*\*\*

GENERIC CHARACTER.

*Teeth* strong: *front-teeth* in some species disposed in a single row, in others in a double, treble, or quadruple row.

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

*Lips* thick : *Gill-Covers* unarmed, smooth, scaly.

SPECIFIC CHARACTER, &c.

Silvery Sparus, with violet back, fins varied with yellow and orange, and tail marked by two spots.

Juba Sparus.

*Gen. Zool.* 4. p. 431.

Guatucupa Juba.

*Marcgr. Jonst. Will.* &c.

---

The Sparus Juba is an inhabitant of the American seas, growing to the length of about two feet.

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## CONUS GLORIA MARIS.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Animal* Limax.

*Testa* univalvis, convoluta, turbinata.

*Apertura* effusa, longitudinalis, linearis, edentula, basi integra.

*Columella* lævis.

### CHARACTER SPECIFICUS, &c.

*Conus subelongatus* subcylindricus albidus, fusco minutim reticulatus, fasciis transversis fusco-luteis.

*Conus Gloria maris.* *C. elongatus*, cylindrico-conicus, albus, aurantio-fasciatus, maculis albis trigonis subtilissimis fusco cinctis ad apicem usque reticulatus; spiræ concavo-acuminatæ anfractibus superioribus nodulosis.

*Lamarck Ann M. Hist. Nat.* 15.  
p. 438.

*Gloria maris*, testa cylindrica, &c. &c. &c.

*Chemn.* 10. p. 73. t. 143. f. 1324.  
1325.

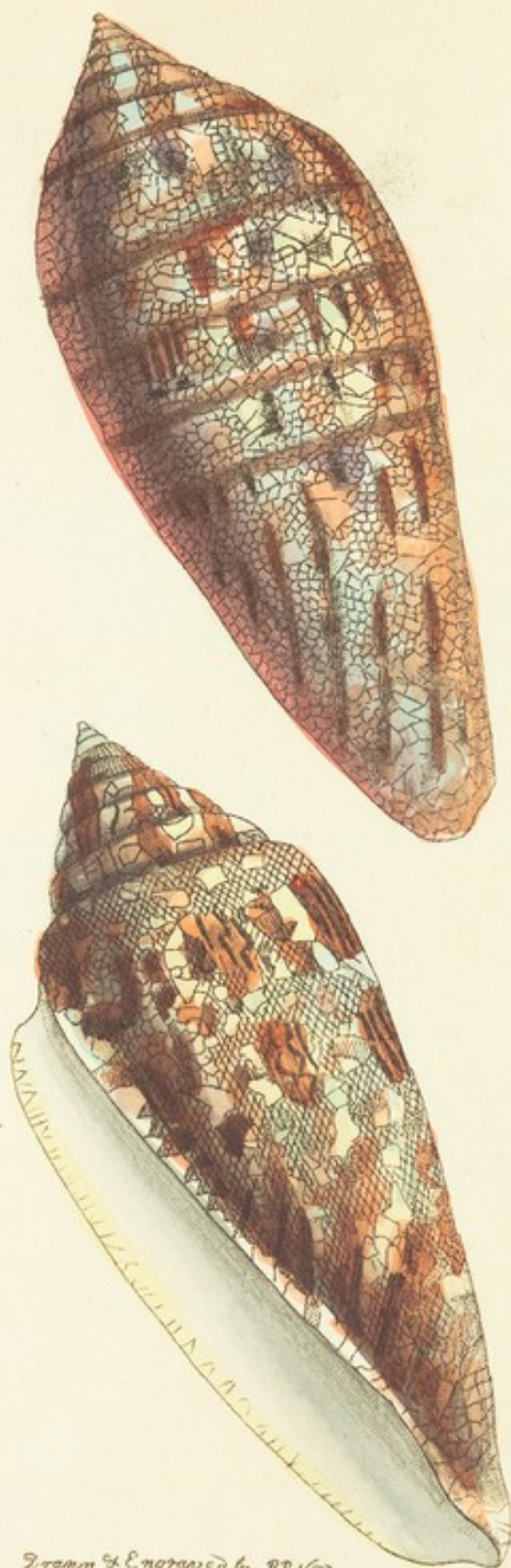
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In rarissimis et pretiosissimis totius generis merito habetur conus cujus veram magnitudinem ostendit tabula. In maribus generatur Americæ australi adjacentibus.









*Drawn & Engraved by R.P. Nodder.*



THE  
NONPAREIL CONE.

\*\*\*\*\*

GENERIC CHARACTER.

*Animal* resembling a Limax or Slug.

*Shell* more or less conic or pyramidal.

*Aperture* longitudinal, linear, without teeth, entire at the base.

*Pillar* smooth.

SPECIFIC CHARACTER, &c.

Subelongated, subcylindric, whitish Cone, with minute brown reticulations, and transverse orange-brown bands.

Gloria maris.

*Chemn.* 10. pl. 143. f. 1344.  
1345.

*Lamarck. Ann. M. Hist. Nat.*  
15. p. 438.

*Bruguere Encycl.* pl. 347. f. 7.

---

This highly beautiful shell, which may be considered as one of the rarest and most valuable of the genus *Conus*, is a native of the South-American seas, and is represented on the plate in its natural size.

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THE  
VIOLET-EARED HUMMING-BIRD.

\*\*\*\*\*

*GENERIC CHARACTER.*

*Bill* longer than the head, cylindric, slender, with slightly-thickened tip; the upper mandible sheathing the lower.

*Tongue* filiform, extensile, consisting of two conjoined slips forming a tube.

*Legs* slender, rather short: feet formed for walking.

*Tail* consisting of ten feathers.

*SPECIFIC CHARACTER, &c.*

Strait-Billed gold-green Humming-Bird, white beneath, with slightly elongated violaceous ear-feathers, black wings, and white lateral tail-feathers.

Oiseau-mouche à oreilles.

*Buff. ois.*

*Viell. pl. 25. 26.*

Violet-Eared Humming-Bird.

*Lath. syn.*

---

This elegant species is a native of Cayenne, and is represented on the plate in its natural size.







# OSTREA ISLANDICA.

\*\*\*\*\*

## CHARACTER GENERICUS.

*Animal* Tethys.

*Testa* bivalvis, inæquivalvis, subaurita.

*Cardo* edentulus, fossula cava ovata striisque lateralibus transversis.

## CHARACTER SPECIFICUS, &c.

*Ostrea* testa orbiculari subflava vel rubea, fasciis transversis purpureis, auriculis inæqualibus, radiis numerosis.

*Ostrea Islandica*. *O.* testa orbiculari, circulis purpureis, radiis centum.

*Lin. Syst. Nat. Gmel.* p. 3326.

*Pecten* testa suborbiculari aurita, radiis planoconvexis sulcatis numerosis, alternis minoribus integris, interne crocea.

*Fabr. Faun. Groenl.* p. 415.

*No.* 416.

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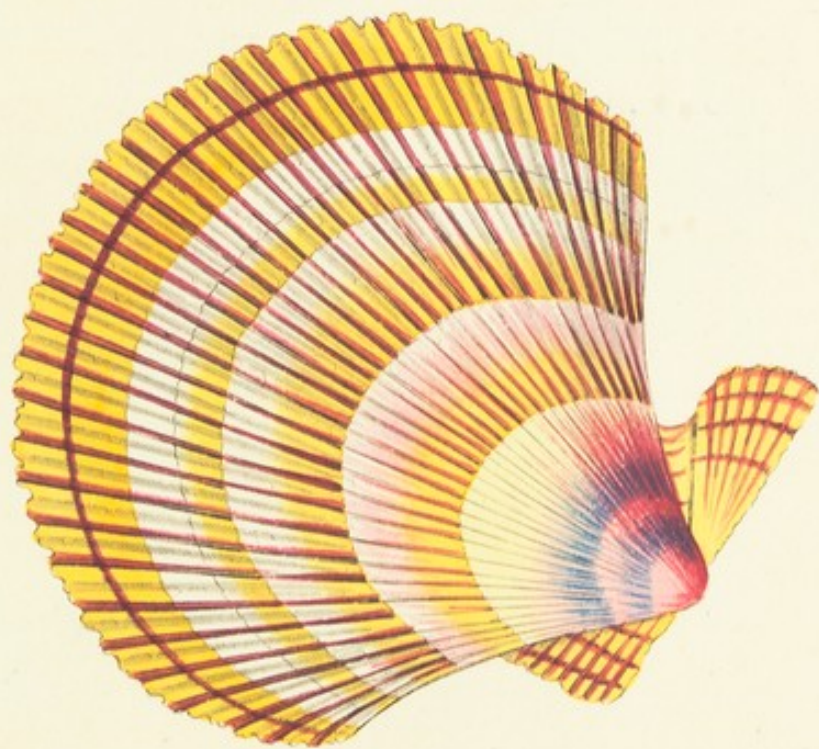
In maribus arcticis præcipue reperitur *Ostrea Islandica*, coloribus non raro varians, *Ostrea* maxima, ut plurimum, paulo minor.







218



826

THE  
ICELANDIC SCALLOP.

\*\*\*\*\*

GENERIC CHARACTER.

*Animal* allied to a Tethys.

*Shell* bivalve ; valves unequal, subauriculated.

*Hinge* toothless, with an ovate fossule and transverse lateral streaks.

SPECIFIC CHARACTER, &c.

Scallop with orbicular yellowish or reddish shell, with transverse purple bands, unequal ears, and numerous rays.

*Seb. mus.* 3. pl. 87. f. 7.

*Knorr Vergn.* 1. pl. 4. f. 1. and pl. 5. f. 2.

*Lister*, pl. 1057. f. 4.?

*Gualt. test.* pl. 73. R.

---

The Icelandic Scallop is principally found in the northern seas, often varying considerably in colour : its size is somewhat inferior to that of the common Scallop.





# SPARUS CHLOROPTERUS.

\*\*\*\*\*

## CHARACTER GENERICUS.

*Dentes* validi: *primores* ordine simplici, duplici, triplici, vel quadruplici dispositi.

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

*Labia* crassa; *opercula* mutica, squamosa.

## CHARACTER SPECIFICUS, &c.

*Sparus* viridis, abdomine subflavente, capite fusco cæruleo-lineato.

*Gen. Zool.* 4. p. 451.

*Labrus chloropterus*. L. dentibus duobus caninis in utraque maxilla, aculeis duobus in pinna ani.

*Bloch ichth.* 8. t. 288.

---

Maria Indica incolit *Sparus chloropterus*, a Blochio primum descriptus. In pedalem crescit longitudinem.

Всего в 1812 году в Московском университете  
было получено 212 человек студентов

Всего в 1812 году в 1-й раз

было получено 212 человек студентов  
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## SPHINX CRANTOR.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Antennæ* subprismaticæ, utroque fine attenuatæ.

*Lingua* exserta (plerisque).

*Palpi* duo reflexi.

*Alæ* deflexæ.

*Lin. Syst. Nat. Gmel.*

### CHARACTER SPECIFICUS, &c.

Sphinx alis fuscis atro maculatis, posterioribus  
rubris margine atro.

*Lin. Syst. Nat. Gmel.* p. 2380.

*Fabr. spec. ins.* 2. p. 151.

*Cramer*, t. 104. f. A.

---

Indiam incolit Sphinx Crantor, cujus veram magnitudinem ostendit tabula.









*R. P. M. 1847 Del. Sculp.*

## CRANTOR.

\*\*\*\*\*

### GENERIC CHARACTER.

*Antennæ* subprismatic, attenuated at each end.

*Tongue* (in most species) exserted.

*Feelers* two, reflex.

*Wings* deflected.

### SPECIFIC CHARACTER, &c.

Sphinx with brown upper wings spotted with black, and red lower wings bordered with black.

Sphinx Crantor.

*Cramer*, pl. 104. f. A.

---

The Sphinx here figured is an inhabitant of India, and is represented in its natural size.



# CRANTOR

GENERAL CHARACTER.

Antennae subglobose, attenuated at each end.

Tarsus (in most species) exerted.

Wings two, reflex.

Wings deflected.

Species of Crantor.

Sphinx with brown upper wings spotted with

black, and red lower wings bordered with

black.

Sphinx Crantor.

Crantor, pl. 104. f. 1.

The Sphinx here figured is an inhabitant of India  
and is represented in its natural size.

# PROMIOTOPS SUPERBUS

CHARACTER GENERICUS

CHARACTER SPECIFICUS

*Promiotops superbus*

*Promiotops superbus*

*Promiotops superbus*

*Promiotops superbus*

CHARACTER SPECIFICUS

*Promiotops superbus*

*Promiotops superbus*

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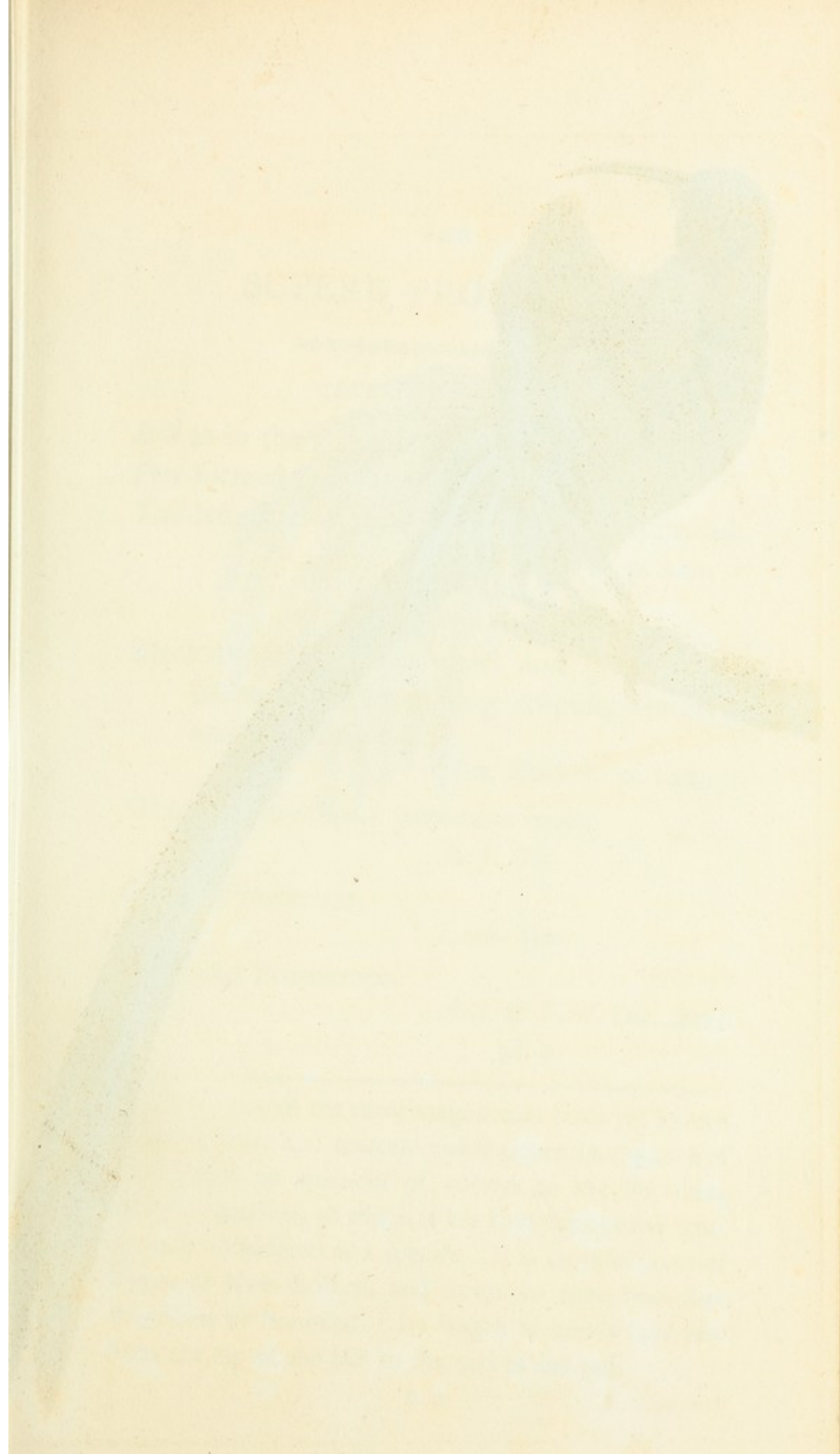
*Promiotops superbus*

*Promiotops superbus*

*Promiotops superbus*

*Promiotops superbus*

*Promiotops superbus*





*Phasianus Chrysolophus*



THE  
SUPERB PROMEROPS.

\*\*\*\*\*

GENERIC CHARACTER.

*Bill* as in the genus *Upupa*.

*Feet* formed for walking.

*Tail* lengthened, and in most species cuneated.

*Gen. Zool.* 8. p. 142.

SPECIFIC CHARACTER, &c.

Black Promerops with violet and green gloss,  
falcated golden-shining scapular-feathers,  
and very long tail.

*Gen. Zool.* 8. p. 145.

Grand Promerops à paremens frisés.

*Buff. Ois.*

Grand Promerops.

*Lath. Syn.*

Le grand Promerops.

*Aud. & Viell. Ois. dorés.*  
pl. 8.

---

This is one of the most magnificent birds yet known to naturalists, and scarcely yields either in elegance of appearance or splendor of colours to the Paradise-Birds themselves, of which it has sometimes been erroneously considered as a species. It is an inhabitant of Papua or New-Guinea, and seems to have been first described by Sonnerat. Its length is nearly four feet from the tip of the bill to the end of the tail.







cum tantum genere. Quomodo in errorem non levem inciderit scriptor celeberrimus difficillimum est dicere, nisi pedes individui istius speciminis, de quo ibi disse- ritur, casu aliquo fuisse mutilatos, et altero ungue privatos. Sed melius forsitan erit ipsius authoris verba proferre.

“ Ungues pedum, ab auctoribus variis descriptos, studiose quæсивimus. At vero, apices pedum obtusi plane sunt, et denso vellere tecti, latente in pilis par- vulo quodam, incurvo et simplici unguiculo, ante- riores etiam pedes armante, sed usque adeo minuto, ut, nisi ferreo stilo investigetur, vix appareat. Falli ergo eos oportet, qui binos singulo pedi, et quidem majusculos, ungues tribuunt et appingunt.”





THE  
WESTERN SPIDER.

\*\*\*\*\*

GENERIC CHARACTER.

*Eyes* eight. *Legs* eight.

*Mouth* furnished with two hooks or holders.

*Palpi* or *Feelers* two, the tips of which, (in the males) distinguish the sex.

*Abdomen* terminated by papillæ or teats, through which the animal draws its thread.

SPECIFIC CHARACTER, &c.

Brown Spider, with a radiated excavation on the thorax, and rounded ferruginous feet.

*Mer. Surin.* pl. 18.

---

It has been usual among naturalists to consider several very large exotic spiders as constituting so many mere varieties of one single species, viz. the *Aranea avicularia* of Linnæus. It is however more than probable that some at least of these supposed varieties are really distinct species. The particular kind exhibited in its natural size on the present plate, is a native of South-America and some of the West-Indian islands, and has been elegantly and correctly figured by Madam Merian in her work on the Surinam insects, and by the ingenious Roesel in his general history of insects.



I cannot omit taking notice of a most extraordinary error in a description given of the *Aranea avicularia* in the first volume of the *Amænitates Academicæ* of Linnæus, in which it is expressly affirmed, that the feet of that insect are furnished with only a single claw on each, and not with a pair, as in other spiders. How this very singular mistake could have been committed, is hardly to be conceived, except by supposing that the individual specimen examined for the purpose, happened accidentally to be mutilated in this respect.

I have diligently searched (says the writer) for the claws on the feet, described by various authors: the tips of the feet are obtuse, and thickly covered with hair, amidst which is concealed a small, crooked, single claw, but so minute as to be scarcely perceptible unless investigated by the assistance of a needle; and it therefore follows that an error has been committed by those who have described and figured two claws, and those rather large ones, on each foot.

## SCOMBER MACULOSUS.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Corpus* oblongum, læve, linea laterali interdum carinatum.

*Pinnulæ* sæpius supra infraque versus caudam.

*Gen. Zool.* 4. p. 577.

### CHARACTER SPECIFICUS, &c.

*Scomber* supra cæruleo-virescens, maculis numerosis subalternis transversis elongatis nigris.

*Gen. Zool.* 4. p. 592.

Konam,

*Russel. Pisc. Ind.* t. 135.

---

Maria incolit Indica *Scomber maculosus*, magnitudine scombrum vulgarem Europæum superans.

# SCOMBER MACULOSUS.

\*\*\*\*\*

CHARACTER SPECIFICUS.

Corpus oblongum, leve, linea laterali interdum  
carinata.

Pinnule æquales superius infraque versus caudam.

Gen. Zool. 4. p. 377.

CHARACTER SPECIFICUS, G.

Scomber æquis caudæ-ventralibus, maculatus.

macula subcaudalis triangularis elongata

nigra.

Gen. Zool. 4. p. 192.

Konam.

Faust. P. 1. 155.

Nota. Nota. Nota. Scomber maculatus, naggia.

Nota. Nota. Nota. Scomber maculatus, naggia.

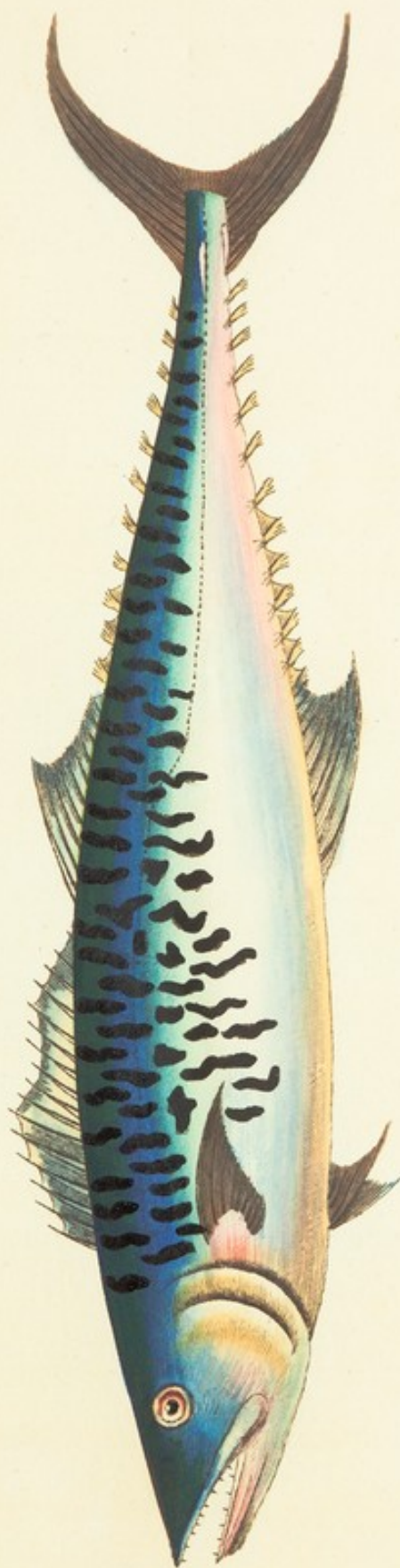


NOTES

1. The first of the series is a very small fish, about 1 inch long, with a very small head and a very small body. It is very common in the shallow water of the coast.

2. The second of the series is a small fish, about 2 inches long, with a small head and a small body. It is very common in the shallow water of the coast.

3. The third of the series is a small fish, about 3 inches long, with a small head and a small body. It is very common in the shallow water of the coast.



R. P. A. 1800.

THE  
MOTTLED MACKREL.

\*\*\*\*\*

GENERIC CHARACTER.

*Body* oblong, smooth; sometimes carinated by the lateral line.

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

*Gen. Zool.* 4. p. 577.

SPECIFIC CHARACTER, &c.

Mackrel of a blue-green colour above, with numerous, subalternate, transverse, elongated black spots.

*Gen. Zool.* 4. p. 592.

Konam.

*Russel's Indian Fishes,*  
pl. 135.

---

The present species is an inhabitant of the Indian seas, and is of larger size than the Common European Mackrel.



универсальнаго

и не только для нас, но и для всего мира, и для  
всех времен, и для всех народов, и для всех

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## RANA IGNEA.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Corpus* tetrapodum, ecaudatum, nudum.

*Lin. Syst. Nat.*

### CHARACTER SPECIFICUS, &c.

*Rana* olivaceo-fusca tuberculata, subtus auran-  
tia cæruleo maculata.

*Gen. Zool.* 3. p. 116.

*Bufo* vulgo igneus dictus.

*Roes. ran.* p. 97. t. 22.

---

Ranarum Europæarum, si excipias ranam arboream, minima est quæ ignea dicitur, quamque alit Germania, regionesque in medio Europæ sitæ. Variat nonnunquam coloribus, quod et aliis plerisque congeneribus accidit. Amat loca humida et umbrosa, aquasque turbidas et stagnantes, alacri indole, saltu et natatu ipsa rana communi melior.







*R. P. H. W. D. d. S. d. S. d. S.*

THE  
FIRE FROG.

\*\*\*\*\*

GENERIC CHARACTER.

*Body* four-footed, without tail, and naked, or without any integument but the skin.

SPECIFIC CHARACTER, &c.

Olive-brown Frog, beneath orange-coloured spotted with blue.

*Gen. Zool.* 3. p. 116.

*Rana bombina*?

*Lin. Syst. Nat.*

La Sonnante.

*Cepede ov.* 1. p. 553.

pl 37.

---

This, which may be considered as the smallest of the European frogs, except the *Rana arborea* or tree frog, is a native of Germany and other midland parts of Europe, and, like most of the present genus, varies occasionally in the cast of its colours. It is principally found in damp, shady situations, or in turbid stagnant waters, and is of a remarkably active and lively nature, leaping and swimming with equal or even superior celerity to the common frog.





# PROMEROPS CÆRULEUS.

\*\*\*\*\*

## CHARACTER GENERICUS.

*Rostrum* Upupæ.

*Pedes* ambulatorii.

*Cauda* elongata (plerisque cuneata.)

## CHARACTER SPECIFICUS, &c.

Promerops cæruleus, rostro pedibusque nigris.

*Gen. Zool.* 8. p. 142.

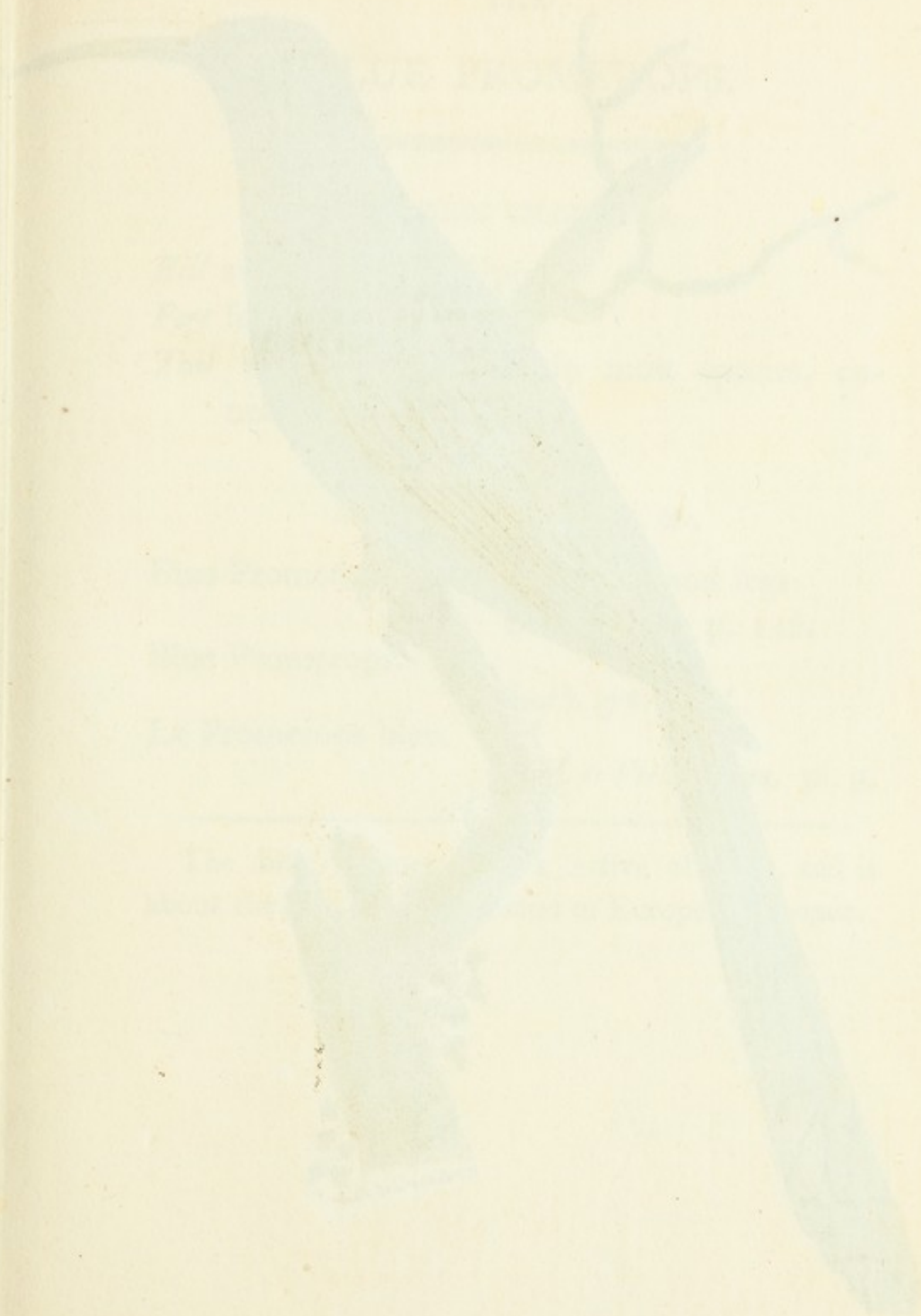
Upupa Indica.

*Lath. ind. orn.*

---

Indiam incolit Promerops cæruleus, magnitudine  
quasi Upupæ communis Europææ.











# OSTREA ISLANDICA.

*Var.*

\*\*\*\*\*

## CHARACTER GENERICUS.

*Animal* Tethys.

*Testa* bivalvis, inæquivalvis, subaurita.

*Cardo* edentulus, fossula cava ovata striisque  
lateralibus transversis.

## CHARACTER SPECIFICUS, &c.

Ostrea testa orbiculari subflava vel rubea, fasciis  
transversis purpureis, auriculis inæquali-  
bus, radiis numerosis.

Ostrea Islandica.

*Lin. Syst. Nat. Gmel.*

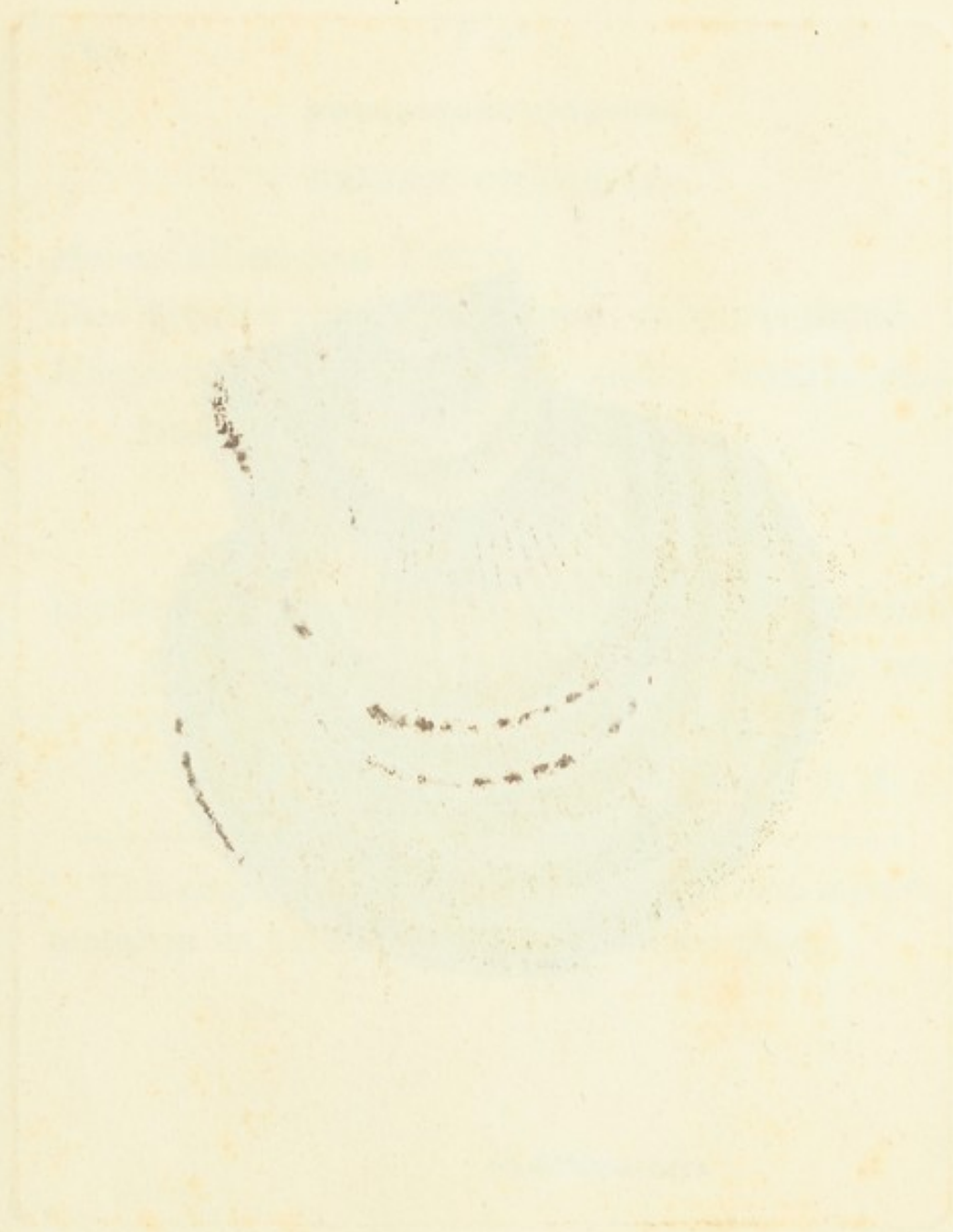
*Fabr. Faun. Groenl.*

---

Magnitudine vera exprimitur elegans hæc varietas  
Ostreæ Islandicæ.







987



R. J. Veldman Del. + Sculp. t



THE  
ICELANDIC SCALLOP.

*Var.*

\*\*\*\*\*

GENERIC CHARACTER.

*Animal* allied to a Tethys.

*Shell* bivalve ; valves unequal, subauriculated.

*Hinge* toothless, with an ovate fossule and transverse lateral streaks.

SPECIFIC CHARACTER, &c.

Scallop with orbicular yellowish or reddish shell, with transverse purple bands, unequal ears, and numerous rays.

*Knorr Vergn.* 1. pl. 5. f. 2.

---

This elegant variety of the Icelandic Scallop is represented in its natural size on the annexed plate.

THE

# SCOTTISH SCALLOP

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# HOLOCENTRUS AURATUS.

\*\*\*\*\*

## CHARACTER GENERICUS.

*Habitus* generis Percæ.

*Opercula* squamosa, serrata, aculeata.

*Squamæ* (pluribus) duræ, asperæ.

## CHARACTER SPECIFICUS, &c.

*Holocentrus auratus*. *H. luteus*, rubro punctulatus.

*Gen. Zool.* 4. p. 562.

*Holocentrus auratus*. *H. punctatus*, aculeis dorsalibus novem.

*Bloch. ichth.* 7. p. 57. t. 236.

---

Maria incolit Indica *Holocentrus auratus*, magnitudine Percæ vulgaris.



# HOLCENTRUS AURATUS

DESCRIPTION

CHARACTERISTICS

Habitat and Range

Operculum, Scales, and Spines

Spine (Dorsal) and Ventrals

Color and Markings

Holocentrus ruber, H. latipes, and H. punctatus

Notes

Gen. Lat. 4 p. 252

Holocentrus auratus, H. punctatus, and H. ruber

Dorsal fin

Fig. 4. Head of H. auratus

Fig. 5. Head of H. punctatus

Fig. 6. Head of H. ruber

Fig. 7. Head of H. latipes





*Thalassoma kribia* (Forsk.)



THE  
GOLDEN HOLOCENTRUS.

\*\*\*\*\*

GENERIC CHARACTER.

*Habit* of the genus *Perca*.

*Gill-Covers* scaly, serrated, and aculeated.

*Scales* (in most species) hard and rough.

SPECIFIC CHARACTER, &c.

Gold-yellow *Holocentrus*, with red specks.

*Gen. Zool.* 4. p. 562.

Der Goldsogo.

*Bloch. ichth.* pl. 236.

---

The Golden *Holocentrus* is an inhabitant of the Indian seas, and is of the size of the Common European Perch.









22. 1881. 2. 1. 1. 1. 1.

## ELPENOR.

\*\*\*\*\*

### GENERIC CHARACTER.

*Antennæ* subprismatic, attenuated at each end.

*Feelers* two, reflex.

*Tongue* (in most species) exserted.

*Wings* deflected.

### SPECIFIC CHARACTER, &c.

Sphinx with the upper wings and body olive-coloured, striped with rose-colour; the lower wings rose-coloured with black base.

*Roes. ins.* 1. *pap. noct.* pl. 4.

*Albin. Engl. Ins.* pl. 9.

The Greater Elephant Hawk-Moth.

---

The Caterpillar of this beautiful Insect feeds principally on the leaves of the white marsh Galium or Bedstraw, and changes to a chrysalis in the month of August, from which in the following May emerges the animal in its perfect state.



## STRIX AFRICANA.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Rostrum* aduncum, absque cera.

*Nares* oblongæ, pennis setaceis recumbentibus  
obtectæ.

*Caput* grande, auribus oculisque magnis.

*Lingua* bifida.

*Digitus externus* retro mobilis.

### CHARACTER SPECIFICUS, &c.

*Strix* subfusca subtus nivea, cauda fasciis numerosis linearibus albis.

*Gen. Zool.* 7. p. 278.

Le Choucou.

*Levaill. Ois. Afr.* t. 38.

---

Speciem elegantem cernere est in tabula in Africa interiori generatam, quamque primum opinor descripsisse Levaillantum. Prodire solet per crepuscula celerissimo volatu, sæpius radens iter prope terram, emissa stridula voce. Femina mari paulo minor est, corpore inferiore minus niveo. *Æquat* avis longitudine quasi decem uncias.











THE

# AFRICAN OWL

=====

## GENERIC CHARACTER.

Bill hooked, without cere.

Nostrils oblong, covered with prominent setae.

Feet scaly.

Alar, eye, and ear large.

Tarsus small.

Limbs powerful, backward.

## GENERIC CHARACTER.

Brownish Owl, shows white beneath, with the

call crossed by numerous linear white bars.

Gen. & Sp. p. 275.

Le Chocron.

Le Chocron, p. 28.

This elegant species, which is about 12 inches in length, and weighs about 1 lb. is described by Le Chocron as a native of the mountain parts of Africa, appearing only during the twilight. It is a very common bird, and is frequently observed at intervals of a few days. The female is smaller than the male, and of a less pure or snowy white color on the under parts.

## SCIÆNA UNIMACULATA.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Caput squamosum.*

*Pinnæ dorsales duæ, in fossula recondendæ.*

*Membr. branch. radiis sex.*

### CHARACTER SPECIFICUS, &c.

*Sciæna argenteo-cinerea flavo lineata, corpore macula utrinque nigra.*

*Perca unimaculata. P. macula rotunda in latere utroque.*

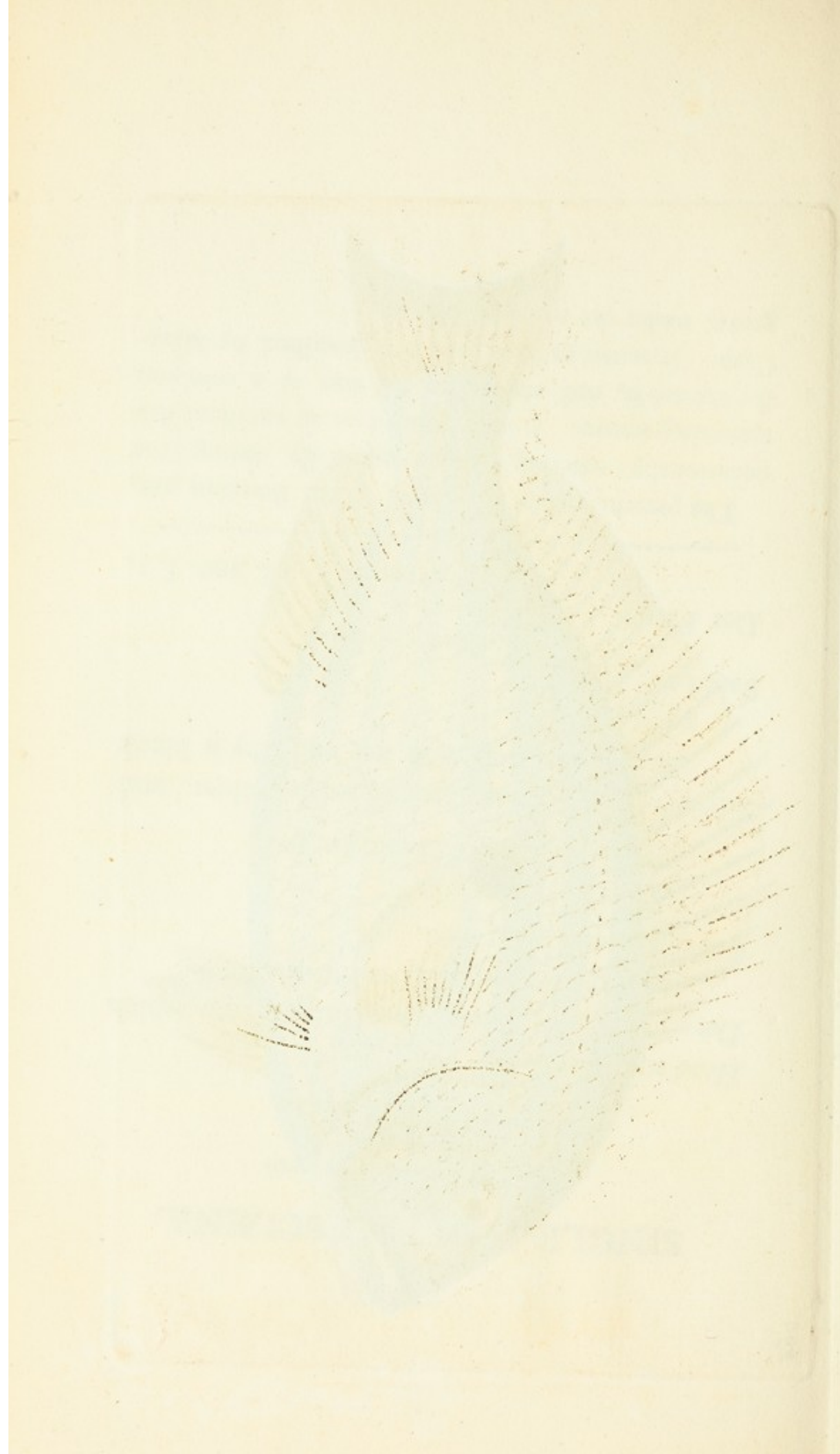
*Bloch. ichth. 9. t. 308. f. 1.*

*Sciæna unimaculata?*

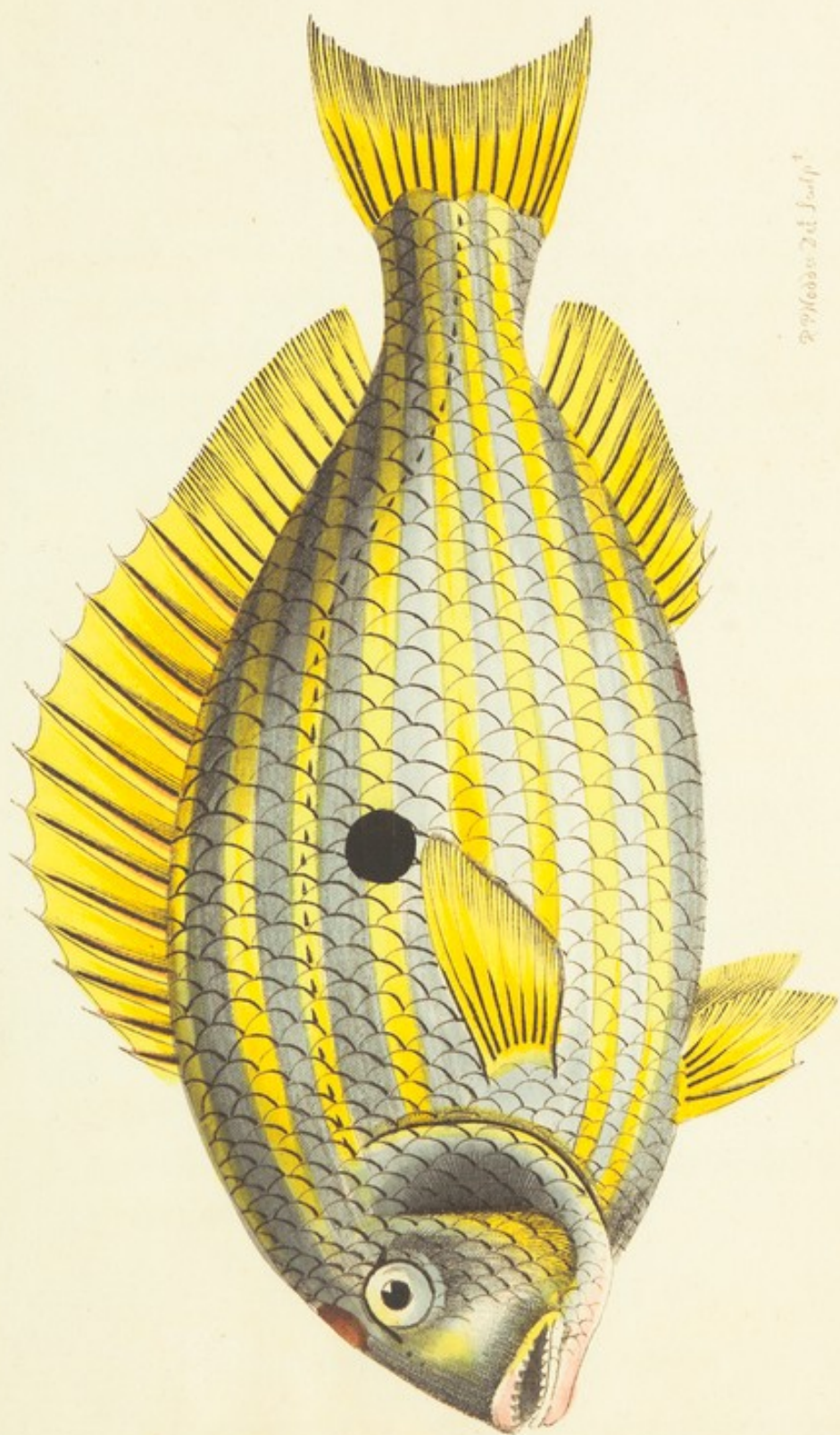
*Gen. Zool. 4. p. 339.*

---

In maribus Brasiliensibus innascitur *Sciæna maculata*; nonnunquam tamen fluvios intrat, eo præcipue tempore quo ova solet deponere. In cibis habetur lautioribus, et ad eandem crescit magnitudinem quam *Cyprinus Carpio* seu vulgaris. Piscem primus descripsisse videtur *Marcgravius*, qui *Salemam* nuncupavit.







*Thalassoma kribia*

THE  
SINGLE-SPOTTED SCIÆNA.

\*\*\*\*\*

GENERIC CHARACTER.

*Head* scaly.

*Dorsal fins* two, seated in a furrow into which they are occasionally withdrawn.

*Gill-Membrane* six-rayed.

SPECIFIC CHARACTER, &c.

Silvery-grey *Sciæna*, striped with yellow, and marked on each side the body by a black spot.

Salema.

*Marcgr. Bras.*

Der Fleck.

*Bloch. ichth.* 9. pl. 308. f. 1.

---

The present species is a native of the Brazilian seas, occasionally entering rivers, especially during the spawning-season. It is considered as an excellent fish for the table, and arrives at the size of a common Carp. It seems to have been first described by Marcgrave, under the name of Salema.



## PAPILIO PYRETUS.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Antennæ* apicem versus crassiores, sæpius clavato-capitatae.

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

### CHARACTER SPECIFICUS, &c.

Papilio alis caudatis supra nigris fascia rubra,  
infra aureo-cæruleis fascia nigra.

Papilio Pyretus.

*Cram.* t. 144. f. A. B.

---

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



PAPILLO PYRETUS.

CHARACTERES GENERALES.

CHARACTERES SPECIFICI.

Antennae apicem versus transverse, papillae clavae  
vix capite.  
Alae (sedentes) erectae, emarginatae, conniventes.  
(Volantibus.)

CHARACTERES SPECIFICI.

Papilio alis caudatis, pra. nigra, fascia rubra,  
in ca. aureo-caruleis fatis nigra.  
Papilio Pyretus.

Comp. F. 144. F. A. B.

---

Schizanthum in cellis hinc hinc papillis, et magnitudine  
vix in tabula designatur.



991



*R. P. W. D. L. R. L. P.*



## PYRETUS.

\*\*\*\*\*

### GENERIC CHARACTER.

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

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

### SPECIFIC CHARACTER, &c.

Tail-winged Butterfly, with the wings black above with a red bar, and gilded-blue beneath with a black bar.

Pyretus.

*Cram.* pl. 144. f. A. B.

---

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

RECEIVED  
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OF THE  
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LANDS

992



R.T. Hodder Del. Sculp. &



THE  
VARIEGATED SCALLOP.

\*\*\*\*\*

GENERIC CHARACTER.

*Animal* allied to a Tethys.

*Shell* bivalve, valves generally unequal, subauriculated.

*Hinge* toothless, with an ovate fossule and transverse lateral streaks.

SPECIFIC CHARACTER, &c.

Whitish or yellowish Scallop, variegated with irregular transverse red bands, with about thirty rough rays, and unequal ears.

Variegated Scallop.

*Penn. Brit. Zool.*

*Lister* 187.

*Chemn.* 7. pl. 66. f. 633. 634.

*Knorr* 1. pl. 19. f. 2. and 2. pl. 18. f. 5.

---

The Species here represented is a native of the European seas, varying very considerably both in size and colours.

THE

# VARIEGATED SCALLOP.

SYNCHRONIZING

GENERIC CHARACTER.

Animal allied to a Tectus.

Shell bivalve, valves generally unequal, abundant.

Hinge toothless, with an ovate fossa and transverse lateral streaks.

Species characters, &c.

Whitish or yellowish-bellied, variegated with  
irregular transverse red bands, with about  
thirty rough rays, and unequal ears.

Variegated Scallops.

Var. Brit. Zool.

Water 187.

Chama 7. pl. 60. f. 621. 622.

Kear 1. pl. 10. f. 2. and 2. pl. 18. f. 2.

The species here represented is a native of the In-  
dian seas, varying very considerably both in size and  
colours.

## PARADISEA GULARIS.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Rostrum* capistri plumis tomentosis tectum.

*Pennæ hypochondriorum* plerisque longiores.

*Pedes* validi, ambulatorii.

### CHARACTER SPECIFICUS, &c.

*Paradisea gularis*. *P. nigra* purpureo-nitens, subtus dorsoque aureo-atro-virentibus, gula aureo-cuprea, cauda cuneata longissima.

*Gen. Zool.* 7. p. 501.

*Paradisea gularis*. *P. purpureo-nigricans*, capistro genisque tomentosis, cervice fasciaque pectorali viridi-nitentibus, sub gula lunula aureo-cuprea fulgidissima.

*Lath. ind. orn.*

---

Pulcherrimam hanc avem in insulis Moluccis generatam cernere est eleganter depictam in operibus Vieillot et Levaillantii. Convenit huic ingenium modusque vivendi cum reliquis Paradiseis. Longitudo ab apice rostri ad extremum caudæ quasi bipedalis est cum semipede.



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THE  
GORGET PARADISE-BIRD.

\*\*\*\*\*

GENERIC CHARACTER.

*Bill* covered at the base by velvet-like plumes.  
*Side-Feathers* beneath the wings, in most species,  
extending far beyond the rest of the plu-  
mage.  
*Legs* strong: feet formed for walking.

SPECIFIC CHARACTER, &c.

Black Paradise-Bird, glossed with purple, the  
back and under parts blackish gold-green,  
the throat copper-coloured, and the tail  
extremely long and cuneated.

Gorget Paradise-Bird.

*Lath. syn.*

Le hausse-col doré.

*Viellot ois. Parad.*

---

This most beautiful bird is an inhabitant of the  
Molucca isles, and is elegantly figured in the splendid  
works of Mons. Viellot and Mons. Levaillant. In its  
manners it resembles the rest of the genus *Paradisea*,  
and measures about two feet and a half from the tip  
of the bill to that of the tail.

# GORGON PARAKEET

*Chlorophaps indica*

Bill colored at the base yellowish green.  
The lower part of the wing is more yellowish  
extending to the end of the wing.  
The wing is formed for walking.

Bill yellowish green, slender and pointed, the  
base and outer part yellowish green.  
The throat is yellowish green, and the  
extremity of the bill is yellowish.

The bill is yellowish green, and the  
extremity of the bill is yellowish.

The bill is yellowish green, and the  
extremity of the bill is yellowish.



## SPARUS ERYTHROURUS.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Dentes* validi: *primores* ordine simplici, 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* argenteus, dorso subcæruleo, pinnis et præsertim caudæ rubris.

*Gen. Zool.* 4. p. 405.

*Sparus erythrourus*. S. dentibus minutissimis, radiis decem in pinna ani.

*Bloch. ichth.* 8. t. 241.

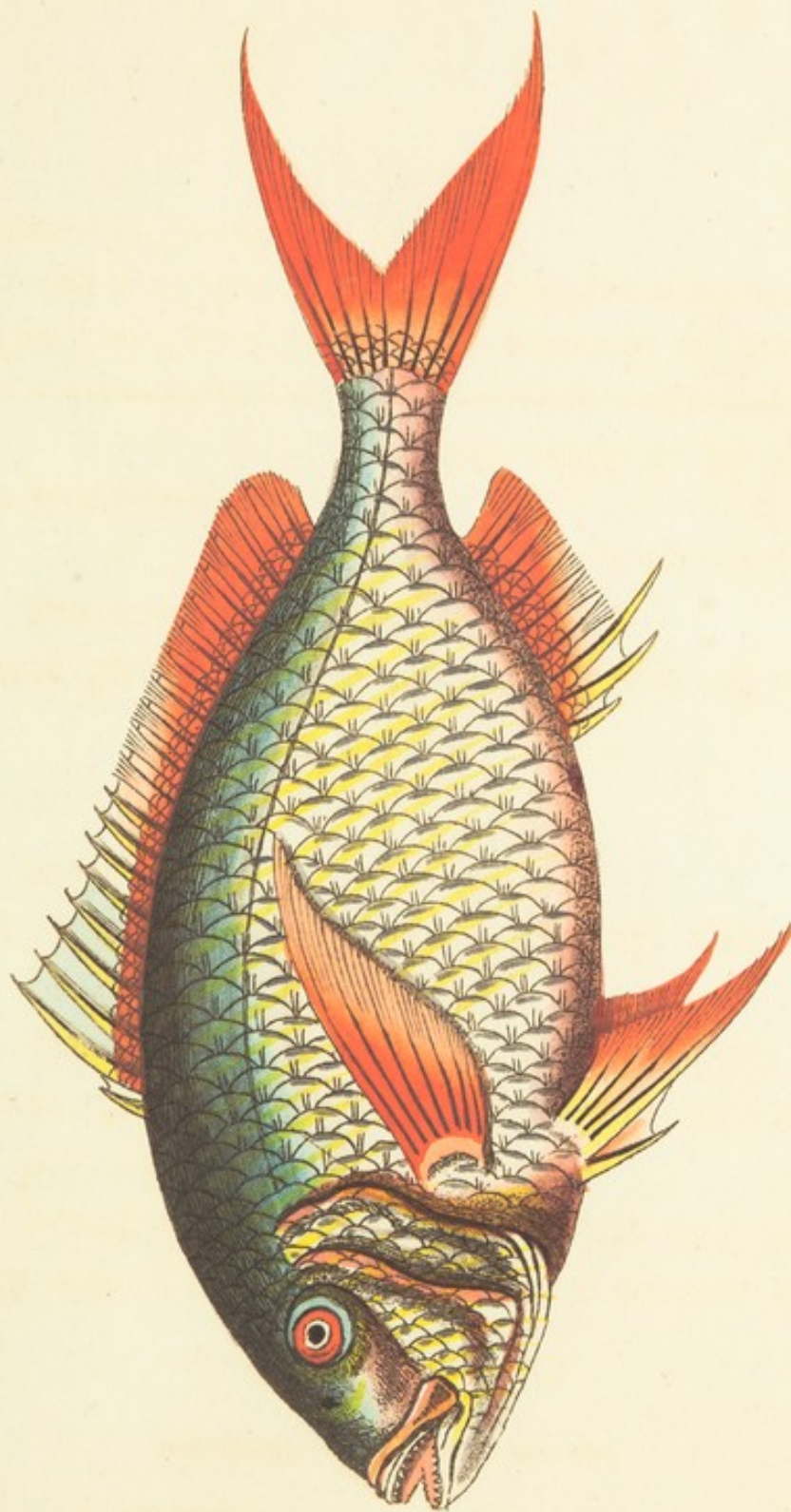
---

Maria incolit Indica *Sparus erythrourus*, longitudine quasi *Spari communis* sive *Auratæ* Linnæi.











THE  
RED-TAILED SPARUS.

\*\*\*\*\*

GENERIC CHARACTER.

*Teeth* strong: *front-teeth* in some species disposed in a single row, in others in a double, treble, or quadruple row.

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

*Lips* thick: Gill-Covers unarmed, smooth, scaly.

SPECIFIC CHARACTER, &c.

Silvery Sparus, with blueish back, and red fins, particularly the tail.

*Gen. Zool.* 4. p. 405.

Der Rothschwanz.

*Bloch. ichth.* 8. pl. 241.

---

The Red-Tailed Sparus is a native of the Indian seas, and is of the same size as the Sparus *Aurata* of Linnæus, or Common Gilthead.

# RED-TAILED SPARROW

*Ammodramus coronatus*

*Ammodramus coronatus*

Very strong: 1000-1500 feet above the ground in a single row, or others in a double row, or in a single row. The birds are disposed in single rows, forming a kind of pavement on the ground. The birds are disposed in single rows, forming a kind of pavement on the ground. The birds are disposed in single rows, forming a kind of pavement on the ground.

Silver Sparrow, with black back and red face, particularly the bill. The birds are disposed in single rows, forming a kind of pavement on the ground. The birds are disposed in single rows, forming a kind of pavement on the ground. The birds are disposed in single rows, forming a kind of pavement on the ground.

The Red-Tailed Sparrow is a native of the Indian west, and is of the same size as the Silver Sparrow. The birds are disposed in single rows, forming a kind of pavement on the ground. The birds are disposed in single rows, forming a kind of pavement on the ground. The birds are disposed in single rows, forming a kind of pavement on the ground.



## ARGONAUTA TUBERCULATUS.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Animal* Sepia.

*Testa* univalvis, spiralis, involuta, membranacea, unilocularis.

*Lin. Syst. Nat.* p. 1161.

### CHARACTER SPECIFICUS, &c.

Argonauta carina utrinque subdentata, striis lateralibus tuberculatis.

Nautilus tenuis.

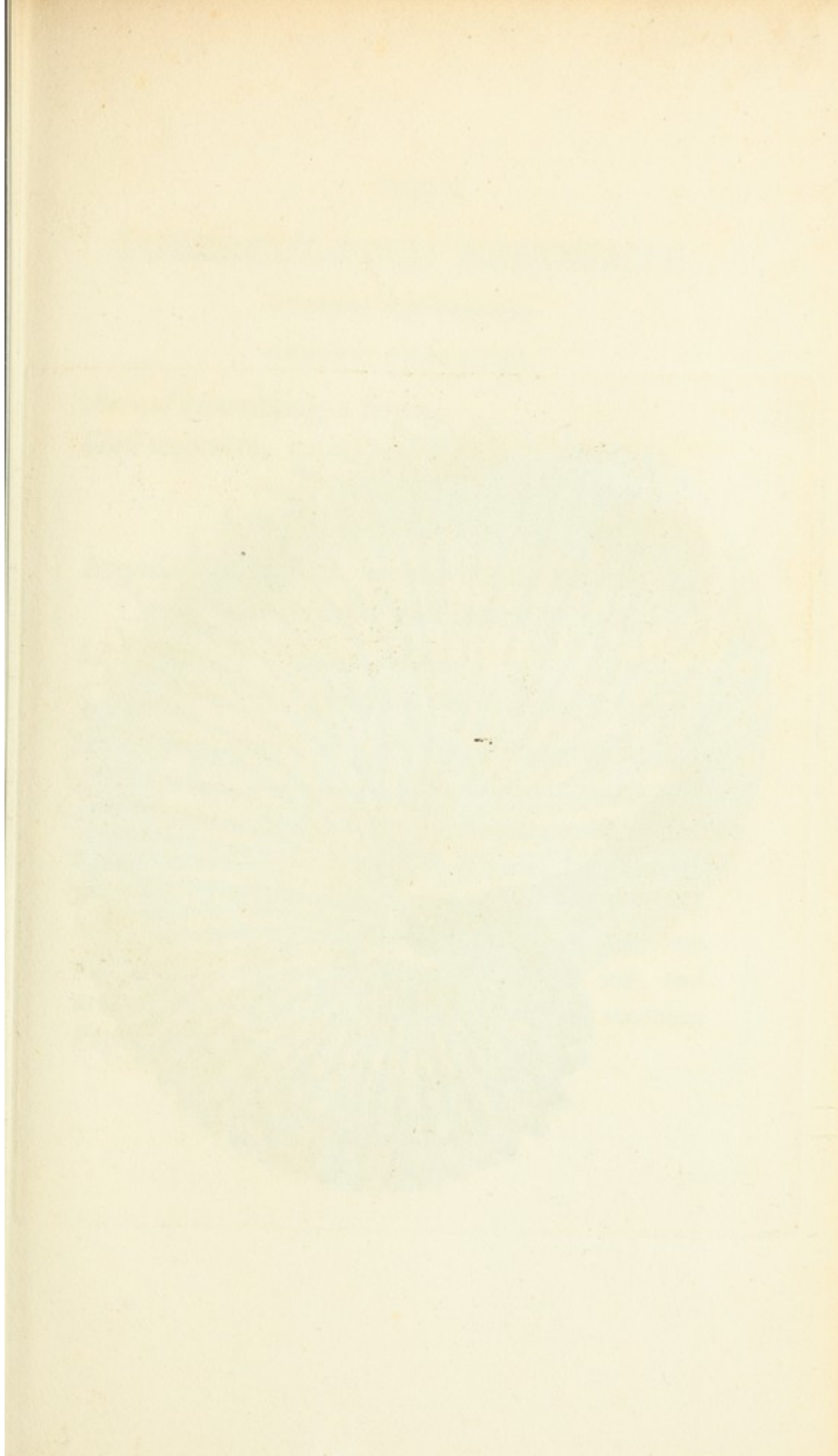
*Seb.* 3. t. 84. f. 4.

---

Sæpius creditum est Argonautam tuberculatum meram esse varietatem Argonautæ Argus Linnæi, a quo tamen discrepat, striis longitudinalibus, quæ in concha visuntur, non planis, sed in tubercula surgentibus. Crescit in eandem magnitudinem quam Argonauta Argo; fortasse etiam ampliorem. Enutritur in maribus Indicis.









Reptiles and Fish.





## PHALÆNA OCULATISSIMA.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Antennæ* a basi ad apicem sensim attenuatæ.

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

### CHARACTER SPECIFICUS, &c.

*Phalæna oculatissima.* P. (Bombyx) nivea, alis primoribus maculis ocellatis nigris, abdomine supra cæruleo flavoque vario.

*Phalæna oculatissima.* P. (Bombyx) elinguis, alis subreversis albis; primoribus thoraceque punctis ocellaribus numerosis inæqualibus nigris, dorso cæruleo flavoque variegato.

*Abbot. N. Am. Ins. t. 69.*

*Bombyx ocularia.*

*Fabr. ins..*

---

*Phalænam* perelegantem descripsimus, Georgiam, Carolinam, aliasque Americæ septentrionalis regiones incolentem. Depascitur larva folia cerasi sylvestris, helianthemi, aliaque ejusmodi. Depingitur *phalæna oculatissima* in splendido libro quem conscripsit Abbotus de insectis in America septentrionali generatis.







# GREAT LEOPARD ERMINE MOTH

*Callisto lyonesis*

GENERAL CHARACTER

Spans: extensive, frequently exceeding from  
the base to tip.  
Wings (when sitting) generally darker. (Flight  
nocturnal.)

STANDARD COLOURS, ETC.

Ground: white. Moth, with the upper wings marked  
with a broad black band, and the sides  
marked above with blue and yellow.  
Length: 1.5 to 2.0 in. Span: 1.5 to 2.0 in.

The Great Moth is a native of  
Central America, and other parts of North America.  
It is a caterpillar feeder, principally on the leaves of  
the wild cherry, sweet gum, and locust. It is common  
in the tropical parts of the United States, and  
North America.

## SYLVIA MINUTA.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Rostrum* subulatum, rectum, tenue; mandibulis  
subæqualibus.

*Nares* obovatæ, depressiusculæ.

*Digitus* exterior medio basi subtus connexus.

*Cauda* modica.

*Lath. ind. orn.*

### CHARACTER SPECIFICUS, &c.

*Sylvia* olivaceo-cinerea, subtus flavicans, gula  
albida, alis caudaque subfuscis.

Le Figuier Becque-fleur.

*Levaill. ois. Afr. t. 134.*

---

Perexiguam hanc speciem descripsit Lévaillantus; a quo cognoscimus in Africa inferiore generari, vescique insectis quæ floribus insident, aliisque ejusmodi. Femina differt a mare coloribus paulo obscurioribus.



# STYL MINUTA

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THE  
MINUTE WARBLER.

\*\*\*\*\*

GENERIC CHARACTER.

*Bill* subulate, strait, slender; with nearly equal mandibles.

*Nostrils* obovate, slightly depressed.

*Exterior toe* connected towards the base with the middle one.

*Tail*, in general, of moderate length.

SPECIFIC CHARACTER, &c.

Olivaceous-grey Warbler, yellowish beneath, with whitish throat, and brownish wings and tail.

Le Figuier Becque-fleur.

*Levaill. ois. Afr. pl. 134.*

---

This very small species is described by Mons. Levaillant, who informs us that it inhabits the inferior parts of Africa, and feeds on minute insects which it collects from flowers, &c. The female differs in being rather more obscure in its colours.

THE

# MINUTE WABBLER

Geothlypis trichas

Geothlypis trichas

The capitate, strong slender, with nearly equal  
mandibles.

Plumage above, slightly depressed.

Below, as connected towards the base with the  
middle one.

This is general of modern origin.

Geothlypis trichas

Character of the plumage, yellowish brown,  
with white throat, and brown wings.

and tail.

The lighter brown line.

Length of 1.5 to 1.7.

This very small species is known by the  
yellow, who is seen in the  
parts of Africa, and is a common species which  
is not from Europe. The population in  
rather more obscure in its color.



# PHILIPPA PROSPERITY

THE PROSPERITY OF PHILIPPA

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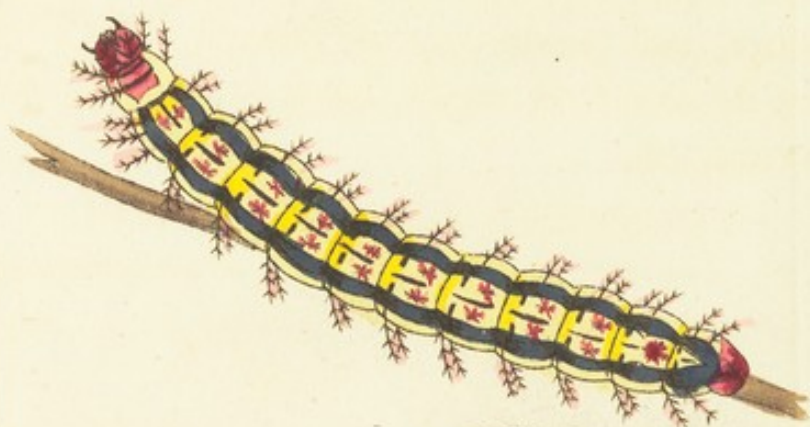
THE PROSPERITY OF PHILIPPA

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THE PROSPERITY OF PHILIPPA







Admetus Del. Sculp.

# PROTERIDIA

PROTERIDIA

PROTERIDIA

Proteridia are small, oval, or round, with a white base to the body, and a black or dark brown spot in the center. They are found in the same places as the other species of the genus.

Proteridia are small, oval, or round, with a white base to the body, and a black or dark brown spot in the center. They are found in the same places as the other species of the genus.

The black spot is a mark of the species, and is found in the same places as the other species of the genus.

Proteridia are small, oval, or round, with a white base to the body, and a black or dark brown spot in the center. They are found in the same places as the other species of the genus.



# RANA MEPHITICA.

\*\*\*\*\*

## CHARACTER GENERICUS.

*Corpus* tetrapodum, ecaudatum, nudum.

*Lin. Syst. Nat.*

## CHARACTER SPECIFICUS, &c.

*Rana* olivacea, fusco maculata, verrucis subrubentibus, linea dorsali sulphurea.

*Gen. Zool.* 3. p. 149.

*Bufo* terrestris foetidus.

*Roes. Hist. Ran.* t. 24.

---

In variis Europæ partibus generata rana mephitica si manu contrectetur, seu alio quocunque modo lacessatur, foetorem emittere dicitur teterrimum; eundem fere ac si allii succum cum fumo pulveris nitrati commiscueris.

Bufonem Anglicum *Natter-Jack* inducor ut credam ranæ hujusce esse varietatem, licet inodorus sit. Generatur rana mephitica eodem modo quo cæteri bufones; nec alius est vivendi modus.

# RANA MEXICANA

CHARACTERES SPECIFICI

CHARACTERES SPECIFICI

Caput tetragonum, et alia, nuda.

CHARACTERES SPECIFICI

Rana colorata, fere in alba, et alia, nuda.

caput, linea dorsal, nuda.

Cap. No. 1. p. 149.

Rana colorata, fere in alba.

Rana colorata, fere in alba.

In vultu, fere in alba, et alia, nuda. In vultu, fere in alba, et alia, nuda. In vultu, fere in alba, et alia, nuda. In vultu, fere in alba, et alia, nuda. In vultu, fere in alba, et alia, nuda.

In vultu, fere in alba, et alia, nuda. In vultu, fere in alba, et alia, nuda. In vultu, fere in alba, et alia, nuda. In vultu, fere in alba, et alia, nuda. In vultu, fere in alba, et alia, nuda.





THE  
MEPHITIC TOAD.

\*\*\*\*\*

GENERIC CHARACTER.

*Body* four-footed, without tail, and naked, or without any integument but the skin.

SPECIFIC CHARACTER, &c.

Olive Toad, spotted with brown, with reddish warts, and sulphur-coloured dorsal line.

Mephitic Toad.

*Gen. Zool.* 3. p. 149.

---

The present species of Toad is found in several parts of Europe, and is said to diffuse, on being handled, or otherwise irritated, an intolerably fetid odor, somewhat resembling that of a mixture of garlick and gun-powder. The toad called in our own country by the name of *Natte-Jack*, and which appears to be a variety of the present species, is not remarkable for any peculiar odor. In its manner of breeding and way of life, it resembles the rest of its tribe.



# CYPRINUS CARPIO.

Var.

*Macrolepidotus.*

\*\*\*\*\*

## CHARACTER GENERICUS.

Os parvum, edentulum. Dentes gutturales.

*Membr. branch.* triradiata.

*Pinnæ* ventrales sæpius novemradiatæ.

## CHARACTER SPECIFICUS, &c.

Cyprinus Carpio. C. luteo-olivaceus, pinna  
dorsali lata, radio tertio postice serrato.

*Gen. Zool.* 5. p. 189.

Var.

Cyprinus partim nudus, partim macrolepidotus.

Cyprinus Rex.

*Bloch. ichth.* 1. t. 17.

---

Per varias Germaniæ regiones spargitur huc illuc notabilis hæc varietas Cyprini communis. Hoc ei insigne est ad distinctionem, quod, cum in aliis corporis partibus insolita sit squamarum magnitudo, in aliis squamæ omnino nullæ sunt. Cætera cyprino Carpioni vulgari similis est, nisi quod crescere dicitur in majorem molem, et palato melius respondere.

# CYPRINE CARPUS

Var.

Amphipodidae

Amphipoda

Amphipoda

Amphipoda

Amphipoda

Amphipoda

Amphipoda

Amphipoda

Amphipoda

Amphipoda

Amphipoda

Amphipoda

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Amphipoda

Amphipoda



THE  
COMMON CARP.

Var.

*Large-scaled.*

\*\*\*\*\*

GENERIC CHARACTER.

*Mouth* small and toothless: teeth in the throat.

*Gill-Membrane* three-rayed.

*Ventral fins*, in general, nine-rayed.

SPECIFIC CHARACTER, &c.

Yellowish-Olive Carp, with wide dorsal fin,  
with the third ray serrated behind.

*Gen. Zool.* 5. p. 189.

*Var.*

Carp with the body partly naked, and partly  
covered with very large scales.

Large-scaled Carp.

*Gen. Zool.* 5. p. 193.

---

This remarkable variety of the common Carp is found in several parts of Germany, and differs in having some parts of the body naked or scaleless, while the scales on the other parts are of a very unusual size. In other respects it perfectly resembles the common carp, but is said to grow to a larger size, and to be superior as an article of food.

the  
COMMON CARP.

Introduction.

Common carp is a very common  
freshwater fish.

It is found in all parts of the world  
and is one of the most important  
sources of food for man.

Yellowish green in color with  
dark spots on the body.

Carp with the body of a  
common carp.

Large common carp.

The common carp is a very common  
freshwater fish. It is found in all  
parts of the world and is one of the  
most important sources of food for  
man. It is a very common fish and  
is found in all parts of the world.  
It is one of the most important  
sources of food for man.



THE  
PARADISE PARROT.

\*\*\*\*\*

GENERIC CHARACTER.

*Bill* hooked, with the upper mandible move-  
able, and generally furnished with a cere.

*Nostrils* in the base of the bill.

*Tongue*, in most species, fleshy, obtuse, entire.

*Feet* scansorial.

SPECIFIC CHARACTER, &c.

Yellow Parrot, with the feathers edged with  
orange-red.

*Gen. Zool.* 8. p. 501.

Le Papagai de Paradis.

*Buff. ois.*

Perroquet de Cuba.

*Pl. Enl.* 336.

Perroquet jaune ecaillé de rouge.

*Levaill. Perr.* pl. 137.

---

The rare and beautiful Parrot here represented is commonly supposed to be a native of the island of Cuba, a circumstance much questioned by Mons. Levaillant, who seems to hold it in doubt whether this supposed species be not rather a variety of the Amazon Parrot. Mons. Levaillant observes further, that no such bird is at present known in the island of Cuba.



## MADREPORA ABDITA.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Animal* Medusa.

*Corallium* cavitatibus lamelloso-stellatis.

*Lin. Syst. Nat.*

### CHARACTER SPECIFICUS, &c.

Madrepora subconglomerata, anfractibus stelliformibus angulatis obconicis, ambulacris simplicibus, lamellis angustis crenato-denticulatis.

*Soland. et Ell. zooph. p. 162.*  
t. 50. f. 2.

Madrepora abdita.

*Lin. Syst. Nat. Gmel.*

---

Circa rupes maris Indici conspicitur Madrepora abdita, cujus veram magnitudinem cernere est in tabula.



# NARROW-GILLED MADRIPORID

CHARACTERISTICS

GENERAL CHARACTER

Always allied to a Madras.  
Coral marked by lamellar star-shaped Cavities.

SPECIFIC CHARACTER

Subconglomerate Madripore, with angular op-  
conic foliations, simple undulations, and  
narrow gills with crenulated teeth.

---

The present species of Madripore is found about the  
rocks of the Indian sea, and is represented on the  
plate in its natural size.









Drawn, Engraved, & Published by R. P. H. H. H.



## TROILUS.

\*\*\*\*\*

### GENERIC CHARACTER.

*Antennæ* commonly thickening towards the end into a clavated tip.

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

### SPECIFIC CHARACTER, &c.

Butterfly with black tailed wings marked by marginal yellow spots; the lower pair by an interjected blue band and ocellated fulvous spot.

*Papilio Troilus.*

*Lin. Syst. Nat.*

*Drury Ins.* 1. pl. 11. f. 2. 3. 5.

*Abbot Ins. Amer.* pl. 1.

---

The Butterfly represented on the present plate is an inhabitant of Georgia and Virginia, where its caterpillar feeds on the leaves of fennel and rue.

## SCOMBER SALIENS.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Corpus* oblongum, læve, linea laterali interdum carinatum.

*Pinnulæ* sæpius supra infraque versus caudam.

### CHARACTER SPECIFICUS, &c.

*Scomber argenteus*, dorso viridi-cæruleo, spinis quatuor armato, pinnulis supra infraque octo.

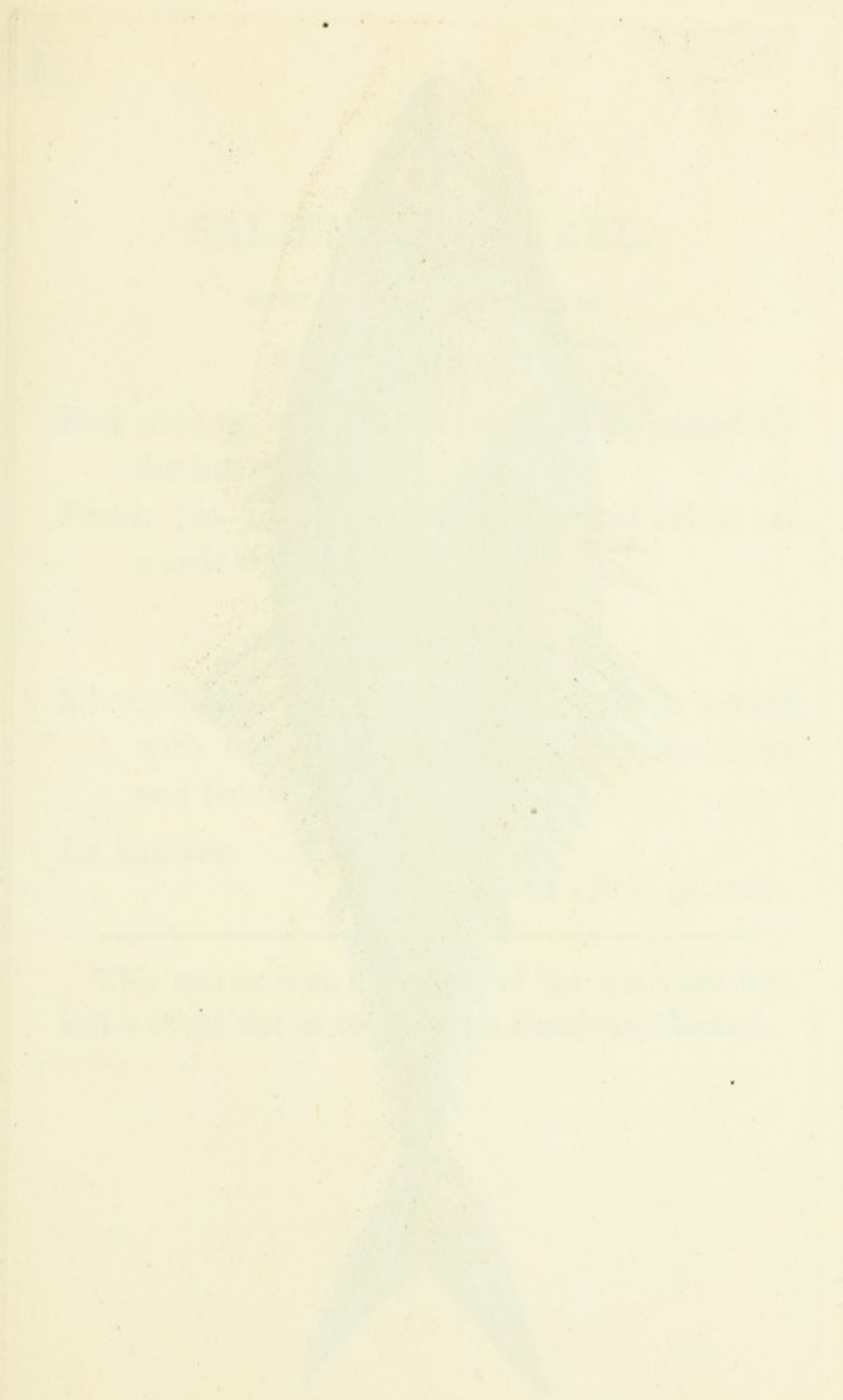
*Gen. Zool.* 4. p. 585.

*Scomber saliens*. *S. aculeis* quatuor dorsalibus distinctis.

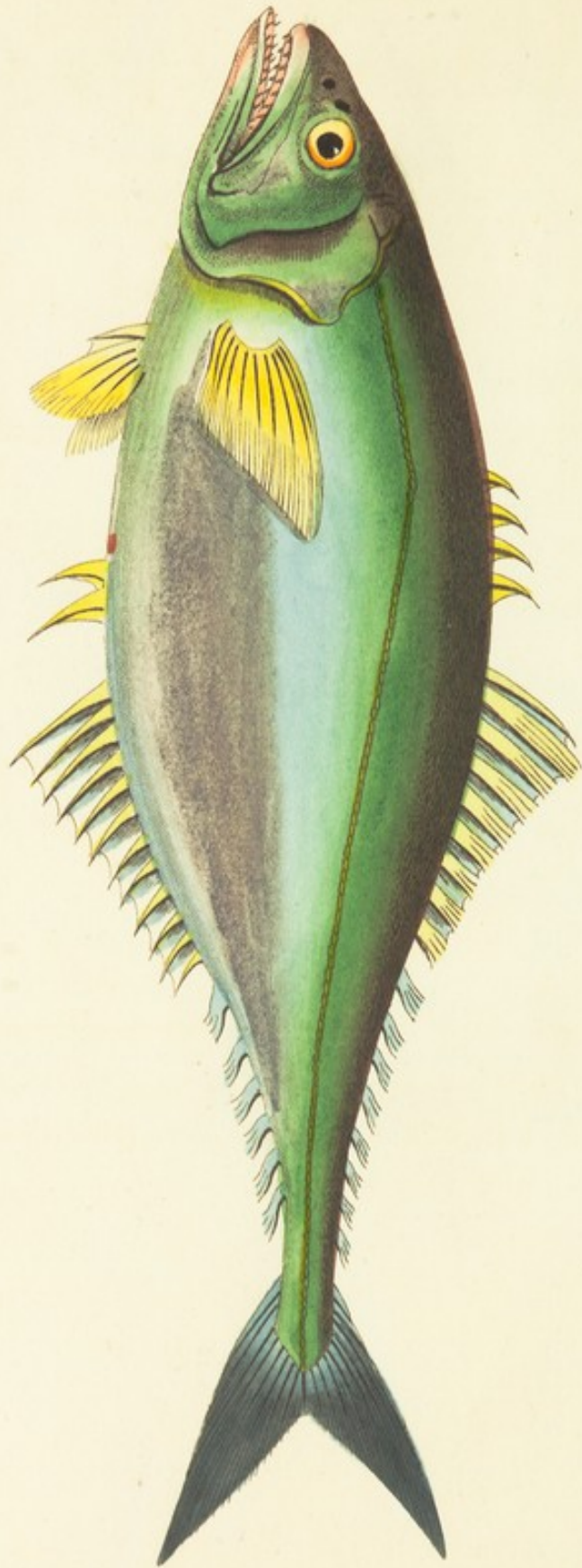
*Bloch ichth.* t. 335.

---

Maria incolit Americana *Scomber saliens*, magnitudine quasi *Scombri communis Europæi*.







*Thalassoma dactylopterygion*

## ANAS HISTRIONICA.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Rostrum* lamelloso-dentatum, convexum, obtusum.

*Lingua* ciliata, obtusa.

*Lin. Syst. Nat.*

### CHARACTER SPECIFICUS, &c.

*Anas subnigra*, pectore dorsoque griseo-cæruleis, capite albo ferrugineoque striato, collari fasciaque pectorali albis.

*Anas fusca* albo cæruleoque varia, auribus, temporibus linea gemina, collari fasciaque pectorali albis.

*Lin. Syst. Nat.*

*Lath. ind. orn.*

---

Americam septentrionalem præcipue incolit *Anas histrionica* ; in Europæ partibus borealibus interdum conspecta. Magnitudo ejus est quasi *Anatis vulgaris* Europææ sive *Boschadis Linnæi*. Femina mare minor colore fere toto fusco, macula tantum auriculari alba differt.





176  
175  
174



THE

# HARLEQUIN DUCK.

—————

CHARACTERISTICS.

The head and flattened; the edges marked with  
sharp lamellae.  
The bill, and, and ciliated at the edge.

CHARACTERISTICS.

The head Duck, with very blue breast and  
dark head striped with white and dark.  
The body is marked by a white collar.  
The tail is marked by a white band.

THE

PLATE.

The head Duck, with very blue breast and  
dark head striped with white and dark.  
The body is marked by a white collar.  
The tail is marked by a white band.

The head Duck, with very blue breast and  
dark head striped with white and dark.  
The body is marked by a white collar.  
The tail is marked by a white band.



# PAPILIO ARCHIPPUS

CHARACTERISTICS

CHARACTERISTICS

CHARACTERISTICS

CHARACTERISTICS

CHARACTERISTICS

CHARACTERISTICS

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CHARACTERISTICS

P. ARCHIPPUS

CHARACTERISTICS

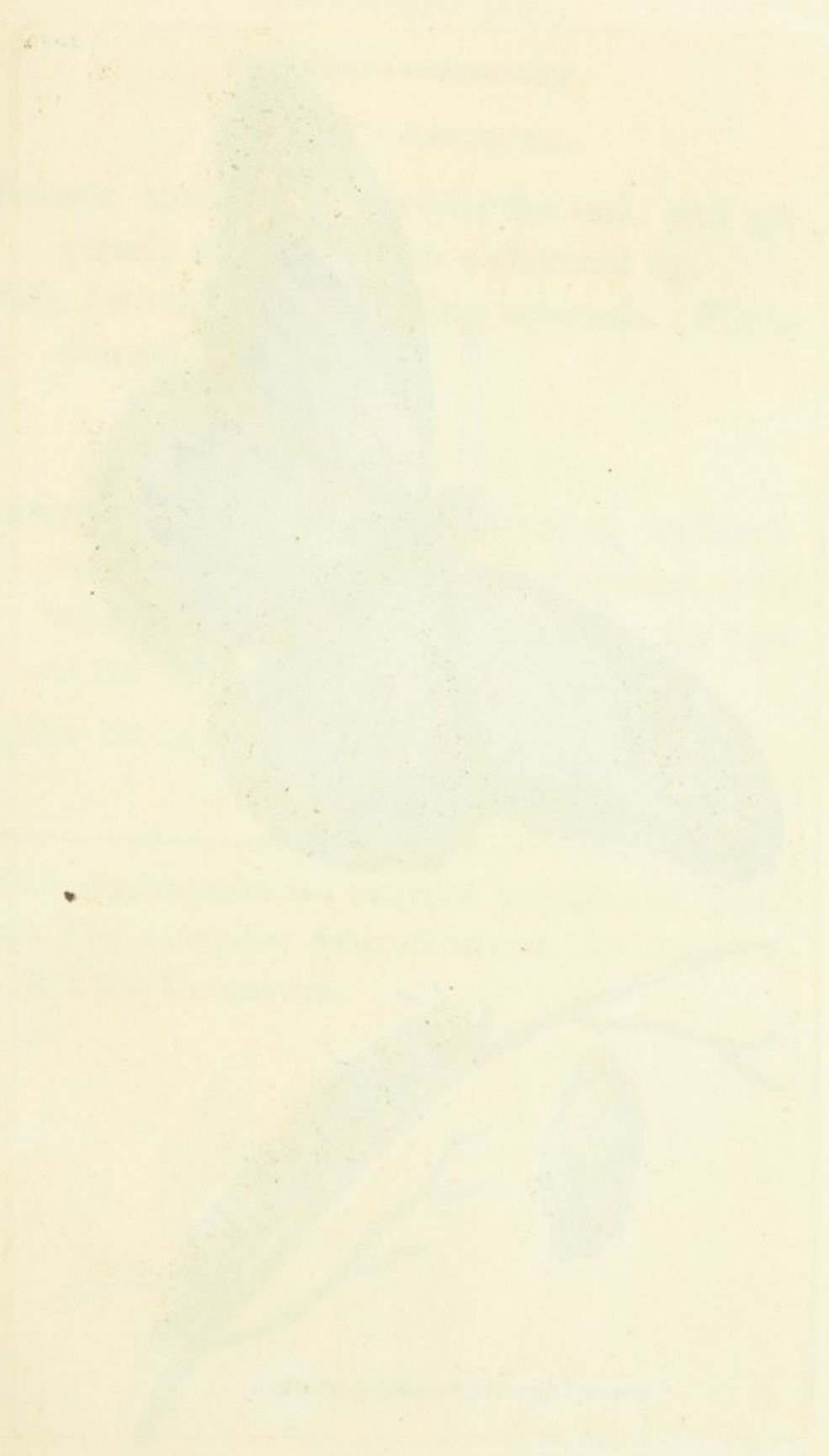
P. ARCHIPPUS

CHARACTERISTICS

CHARACTERISTICS

CHARACTERISTICS

CHARACTERISTICS



## ARCHIPPUS.

\*\*\*\*\*

### GENERIC CHARACTER.

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

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

### SPECIFIC CHARACTER, &c.

Butterfly with fulvous wings marked by black veins, and by a black border spotted with white, with a few fulvous spots at the tips of the upper pair.

Papilio Archippus.

*Fabr. ent. emend.* 4. p. 49.

---

This elegant insect is a native of Virginia and Carolina. The caterpillar feeds chiefly on the leaves of the *Asclepias Curassavica*.



# SCIENTIA TORMOSA.

PROPOSITIO PRIMA.

CHARACTER PRIMERUS.

Capitulum primum.

Præfatio, in qua recensentur.

Alia, quæ, in præfatione.

CHARACTER PRIMERUS.

Scientia, quæ, in præfatione.

liber primus.

Præfatio, in qua recensentur.

Alia, quæ, in præfatione.

Præfatio, in qua recensentur.

Præfatio, in qua recensentur.

Rationes, in qua.

Præfatio, in qua recensentur.

Præfatio, in qua recensentur.



THE  
YELLOW-STRIPED SCIÆNA.

\*\*\*\*\*

GENERIC CHARACTER.

*Head* scaly.

*Dorsal fins* two, seated in a furrow, into which they may occasionally be withdrawn.

*Gill-Membrane* six-rayed.

SPECIFIC CHARACTER, &c.

Blue Sciæna? marked by numerous longitudinal deep-yellow stripes.

Rahtee Bontoo.

*Russell's Indian Fishes*, pl. 29.

---

This fish is an inhabitant of the Indian seas, and is nearly of the size of the common European Perch.



THE

# YELLOW-STRIPED SCIAENID

SCIAENIDAE

SCIAENIDAE

Black scaly.

Dorsal fin two, which are joined into one.

They may be found in the following.

Off the coast of the United States.

SCIAENIDAE

This species is found in the following.

and described as follows.

Rafinesque's description.

Yellow-striped sciaenid.

This fish is the largest of the sciaenid family, and is found in the Gulf of Mexico.

## SERTULARIA OPERCULATA.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Animal* crescens plantæ habitu.

*Stirps* emittens e cellulis vel denticulis calyciformibus hydras.

*Lin. Syst. Nat. Gmel.*

### CHARACTER SPECIFICUS, &c.

*Sertularia* denticulis oppositis mucronatis erectiusculis, ovariis obovatis operculatis, ramis alternis.

*Lin. Syst. Nat.*

*Soland. et Ell. Zooph.*

*Corallina* muscosa denticulata procumbens, caule tenuissimo, denticellis ex adverso sitis.

*Ell. corall. p. 8. t. 3.*

*Ray syn. p. 36. No. 13.*

---

Circa litora Britannica satis frequens conspicitur *Sertularia operculata*, rupibus, ostrearum testis, aliisque marinis adhærens.

# SEPTULARIA OPERCULATA

SEPTULARIA OPERCULATA

CHARACTER GENERIS

Animal ceteroquin planis habitus

Stip. cinctum a cellulis vel denticulis sub-

marginibus hydrae

Lin. Syst. Nat. Gen.

CHARACTER SPECIFICUS

Septularia denticulis oppositis instructa cetero-

quinnullis, ovulis oppositis operculata, in-

his albis.

Lin. Syst. Nat.

Deland. et Ell. Zool.

Charltonia muscosa denticulata procumbens,

caule tenuissimis, denticulis ex adverso

sitis.

Ell. Zool. p. 8. t. 8.

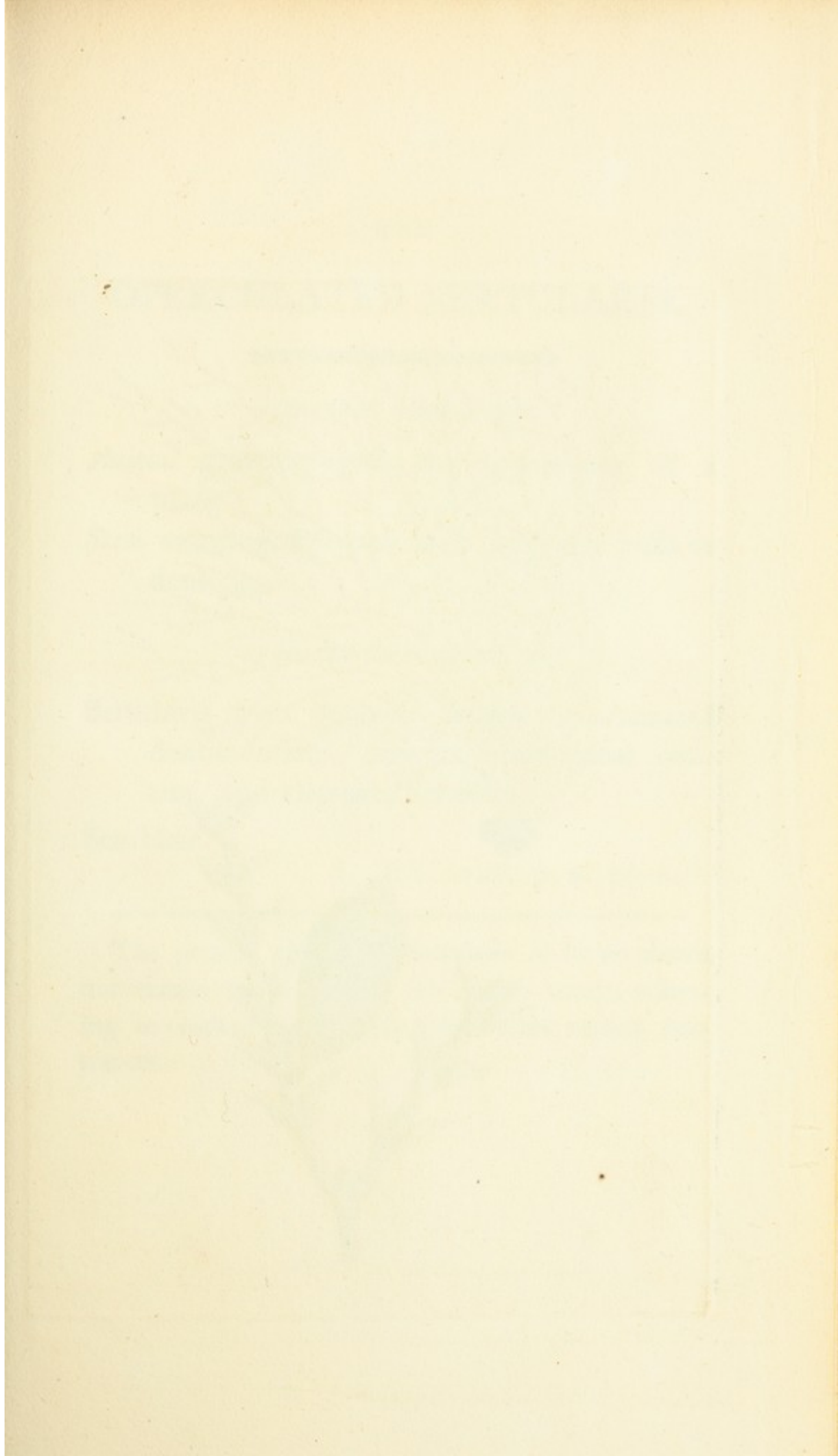
Key. Zool. p. 20. No. 12.

Cyrtolites hibernicae caele fides conspicitur

Septularia operculata, quibus ostentum testis, albi-

que marinis adhaerent.





THE  
OPERCULATED SERTULARIA.

\*\*\*\*\*

GENERIC CHARACTER.

*Animal* growing with the appearance of a  
plant.

*Stem* emitting Polypes from calycular cells or  
denticles.

SPECIFIC CHARACTER, &c.

Sertularia with opposite suberect mucronated  
denticulations, obovate operculated ova-  
ries, and alternate branches.

Sea-Hair.

*Ell. corall.* p. 8. pl. 3.

---

The present species of Sertularia is by no means  
uncommon on several of the British coasts, adher-  
ing to rocks, oyster shells, and other marine sub-  
stances.

## OPERCULATED SERTULARIA.

=====

## GENERAL CHARACTER.

Animal growing with the appearance of a plant.

Stems emitting Polypes from cylindrical cells or denticles.

## SPECIFIC CHARACTER.

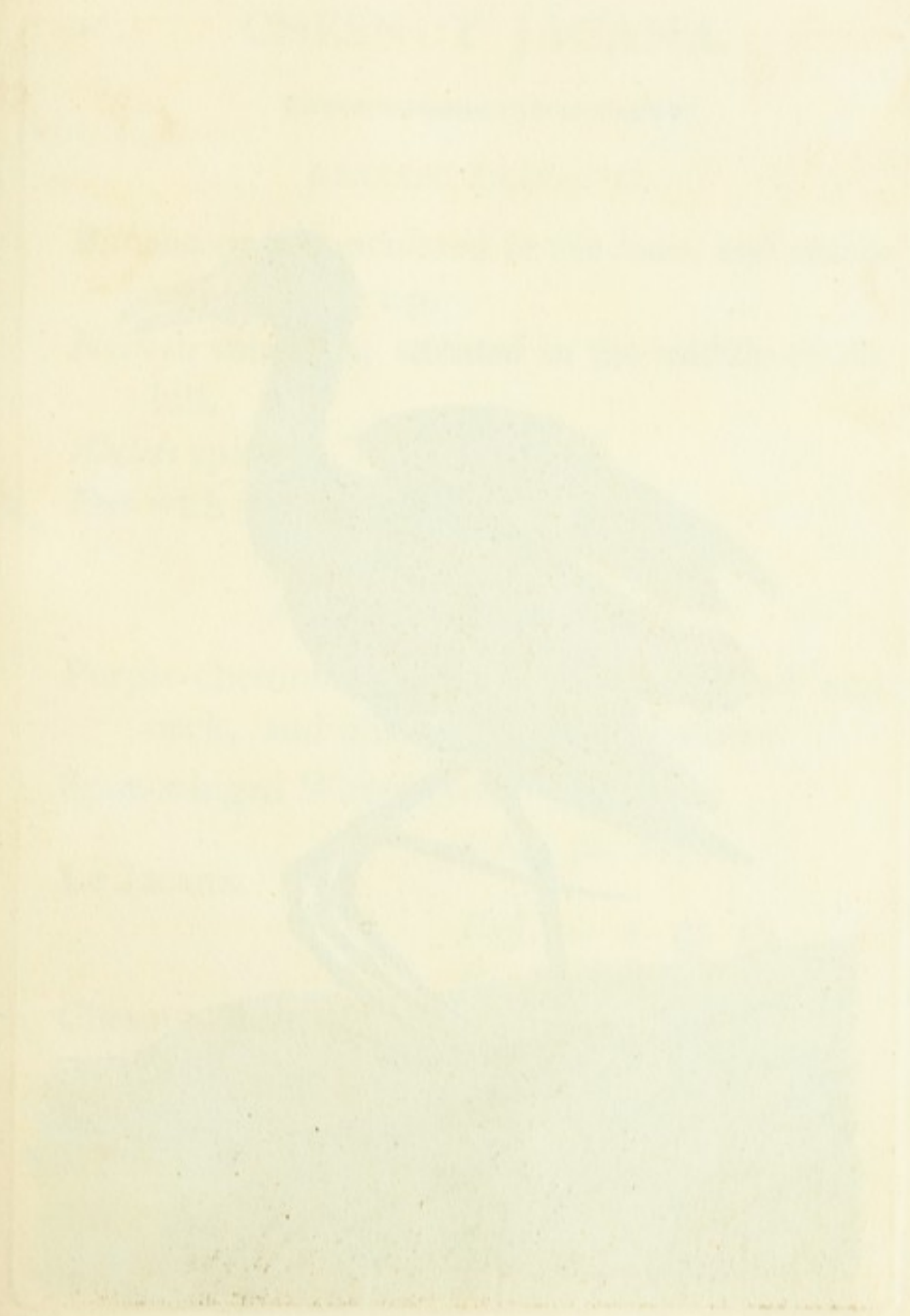
Sertularia with opposite subventer unconnected denticulations, obovate operculated ovaries, and alternate branches.

Sea-Hair.

Ell. corall. p. 8. pl. 3.

The present species of Sertularia is by no means uncommon on several of the British coasts, adhering to rocks, oyster shells, and other marine substances.





# CHRISTNUT JACANA

CHRISTNUT JACANA

CHRISTNUT JACANA

The Bill is very long and slender, and rather

asymmetrical at the tip.

The bill is very long and slender, and rather

bill.

The bill is very long and slender, and rather

The bill is very long and slender, and rather

The bill is very long and slender, and rather

The bill is very long and slender, and rather

Purple-brown above, with black band on

neck, and olive-green on the sides.

Long-winged Waterfowl.

Length, 12 1/2 in.

Col. Jacana.

Bill, 1 1/2 in.

Length, 12 1/2 in.

Christnut Jacana.

The bill is very long and slender, and rather

The bill is very long and slender, and rather

The bill is very long and slender, and rather

The bill is very long and slender, and rather

The bill is very long and slender, and rather

## STROMBUS LAMBIS.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Animal* Limax.

*Testa* univalvis, spiralis, latere ampliata.

*Apertura* labro sæpius dilatato, desinens in canalem sinistrum.

*Lin. Syst. Nat.* p. 1207.

### CHARACTER SPECIFICUS, &c.

*Strombus* testa albida fusco varia, labro heptadactylo, digitis rectiusculis, fauce lævi subrosea.

*Strombus Lambis.* S. testæ labro heptadactylo, digitis rectiusculis, fauce lævi.

*Lin. Syst. Nat.* p. 1208.

*Lambis.*

*Argenville conch.* t. 17. f. F.

*Cornuta.*

*Rumph. mus.* t. 35. f. E. F.

---

Maria incolit Indica *Strombus Lambis*, interdum major quam in tabula depingitur.



## PAPILIO PHILENOR.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Antennæ* apicem versus crassiores, sæpius clavato-capitatae.

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

*Lin. Syst. Nat.*

### CHARACTER SPECIFICUS, &c.

*Papilio* alis caudatis nigris; posticis virescenti-nitidis; subtus maculis septem rubris subocellaribus, basi puncto lutescente.

SMITH, *Abbot Ins. Amer.* t. 3.

*Pap. Astenous.*

*Drury Ins.* 1. t. 11. f. 1. 4.

*Cramer*, t. 208. f. A. B.

*Pap. Philenor.*

*Lin. Mantiss.* p. 535.

---

Virginiam incolit *Papilio Philenor*, cujus larva folia *Aristolochiæ Serpentaria* dictæ depascitur.

PHILIPPO PHILENOR

PHILENOR PHILENOR

PHILENOR PHILENOR

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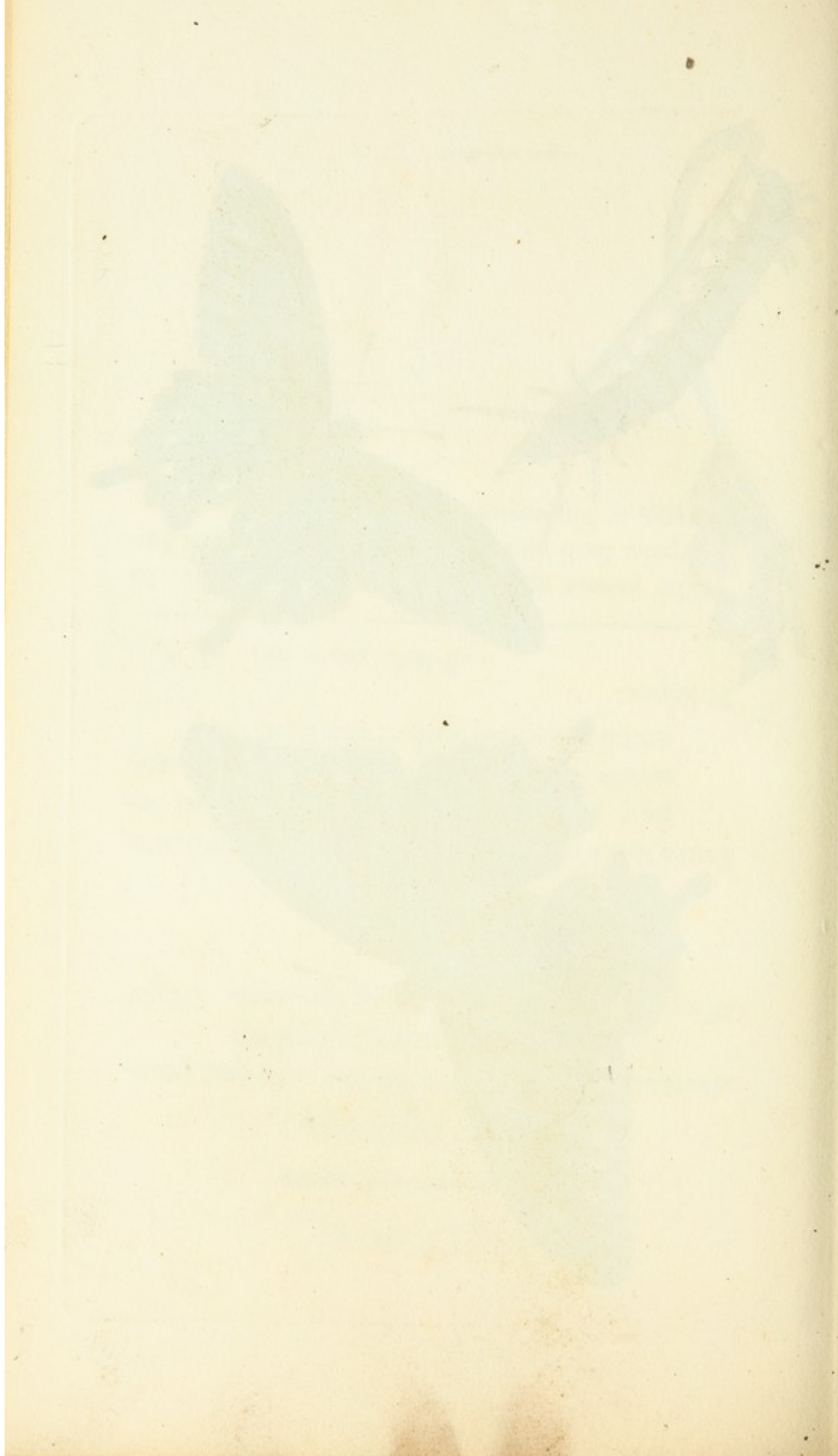
PHILENOR PHILENOR

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PHILENOR PHILENOR





# PHILIPSON

PHILIPSON

PHILIPSON

Abdomen black, shining, towards the end, and green.  
Tails, terminal, in a channel, the  
Wings, 1st and 2nd meeting upwards. Flight

PHILIPSON

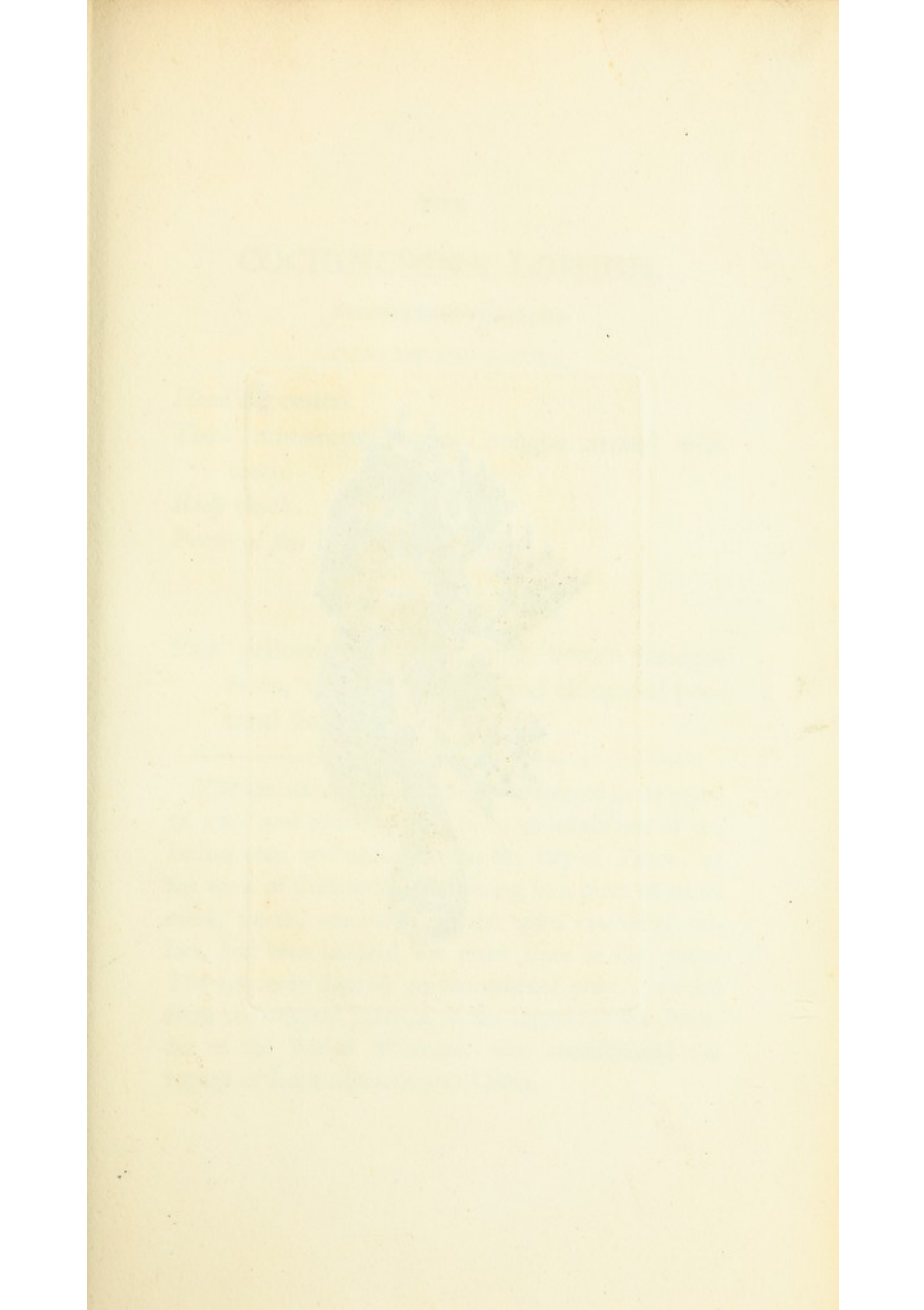
PHILIPSON

Abdomen with black, dotted wings, the lower  
part greenish with black, and marked be-  
neath with several subdorsal red spots,  
and a yellowish spot at the base.

Philipson.

Philipson's Abdom. for 21. 3.

The present species is a native of Virginia. Its  
geographical limits on the basis of the American  
records, or Virginia specimens.



1012





THE  
COCHINCHINA LOPHIUS.

\*\*\*\*\*

GENERIC CHARACTER.

*Head* depressed.

*Teeth* numerous, sharp: tongue armed with  
teeth.

*Body* thick.

*Pectoral fins* brachiated.

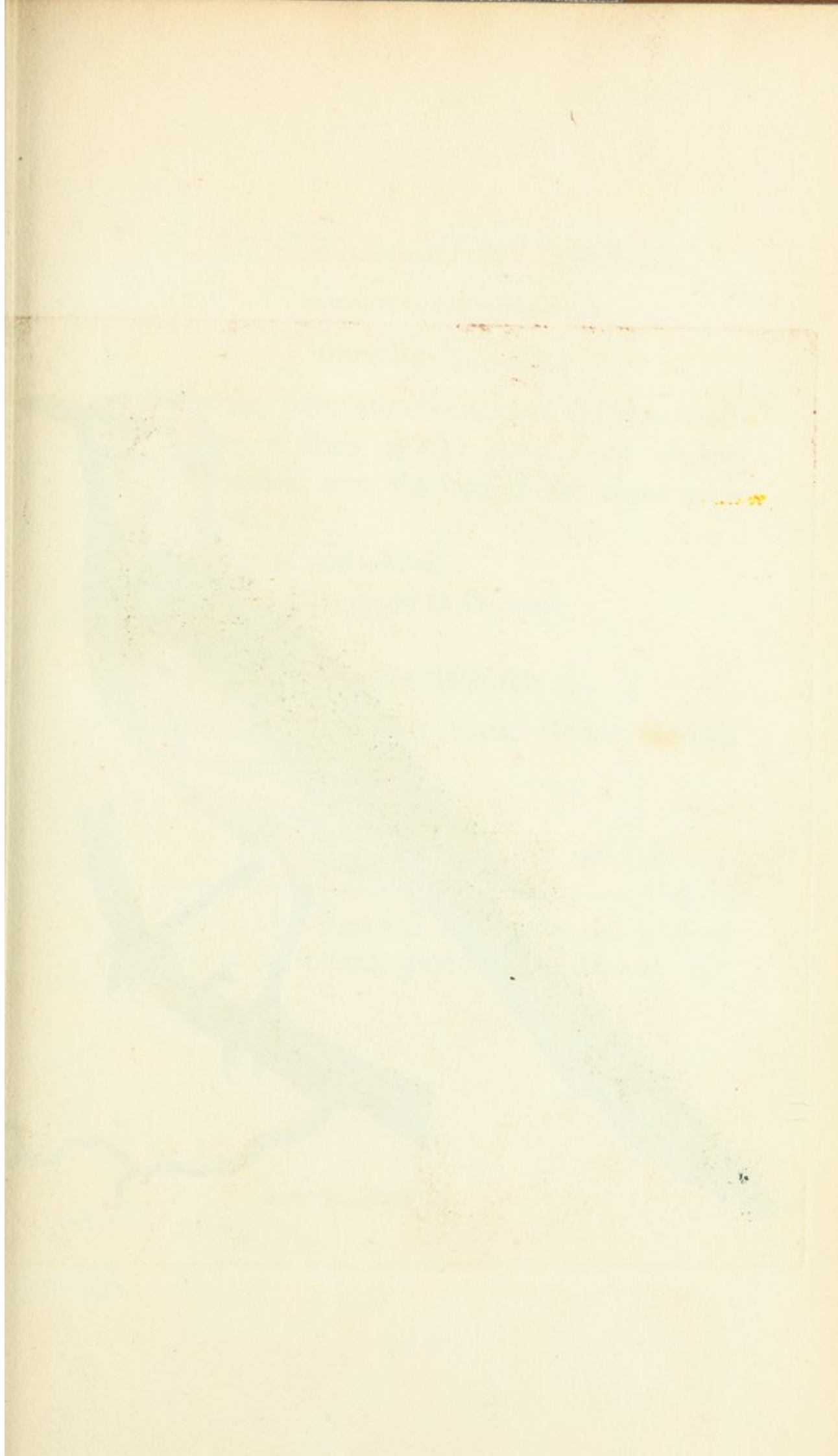
SPECIFIC CHARACTER.

Pale yellowish Lophius, with brown variegations, cirrated mouth, and elongated pectoral fins.

---

The species of Lophius here represented in its natural size, and which appears to be an inhabitant of the Indian seas, was observed near the bay of Turon, on the coast of Cochinchina, adhering to a piece of salted meat, which, according to the usual custom of sailors, had been lowered for some time in the water. The specimen figured on the annexed plate, is copied from the original drawing of the ingenious Mr. Alexander of the British Museum, who accompanied the voyage of Lord Macartney to China.









## PHALÆNA PAPILIONARIA.

\*\*\*\*\*

### CHARACTER GENERICUS.

*Antennæ* setaceæ, a basi ad apicem sensim attenuatæ.

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

*Lin. Syst. Nat.*

### CHARACTER SPECIFICUS, &c.

*Phalæna* (geometra) pectinicornis, alis omnibus viridibus subrepandis, striga sesquialtera pallida.

*Lin. Syst. Nat.*

*Roes.* 4. t. 18. f. 3.

---

Folia betulæ et genistæ præcipue depascitur larva elegantis hujus insecti. In chrysalidem mense Junio convertitur, e qua mense Julio erumpit ipsa phalæna.

LARGE CHARTER 1801







THE  
WINGED MUSCLE.

*Var.?*

\*\*\*\*\*

GENERIC CHARACTER.

*Animal* allied to an Ascidia.

*Shell* bivalve, in some species fastened by a  
kind of silk or byssus.

*Hinge*, in most species, toothless.

SPECIFIC CHARACTER. &c.

Muscle with smooth shell, bilobate valves, and  
lengthened cardinal lobe.

L'Oiseau.

*Argenv. Conch.* pl. 22. f. B.

*Var.* Winged Muscle rufous within, with  
black extremities.

---

The rare shell here represented is an inhabitant of  
the Indian seas, and is sometimes of larger size than  
expressed in the plate annexed.

exhibited in the same manner  
the subject of the same, and the same  
The same subject, and the same

place, and the same  
No. 1. The same subject, and the same  
The same subject, and the same  
G.O. The same subject, and the same

The same subject, and the same  
The same subject, and the same  
The same subject, and the same

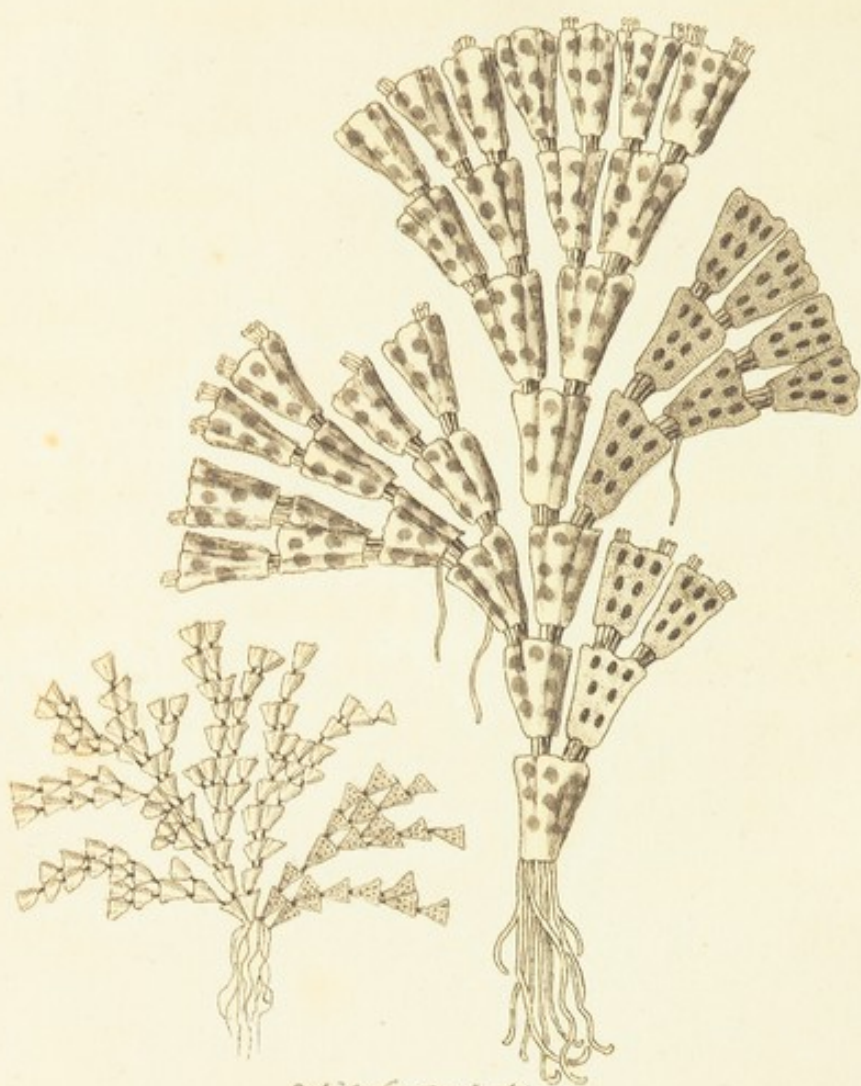
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The same subject, and the same

The same subject, and the same  
The same subject, and the same  
The same subject, and the same







*Rub. ? P. A. M. Del. S. S. S.*

## DILATED CORALLINE.

\*\*\*\*\*

### GENERIC CHARACTER.

*Animal?* growing in the form of a plant.

*Stem* fixed; branches jointed and subdivided.

### SPECIFIC CHARACTER, &c.

Branched dichotomous Coralline, with triangularly-dilated joints.

Fan celliferous Coralline.

*Soland. et Ellis Zooph. p. 28.*  
pl. 4. f. c.

---

This species of Coralline is chiefly observed on the American coasts, where it rises to the height of three or four inches.



# PALCO FASTIGIUS.

CHARACTER SPECIFICUS.

CHARACTER SPECIFICUS.

Palco fastigius, basi ciliis instructum.  
Ciliis parvis et ciliis.  
Ligula plerisque biloba.

CHARACTER SPECIFICUS.

Palco fastigius, ciliis parvis instructis, subter  
albidus, nigro maculatus, vertice parvis  
lanecolatis cristato.

Palco ornatus?

Donatus var.

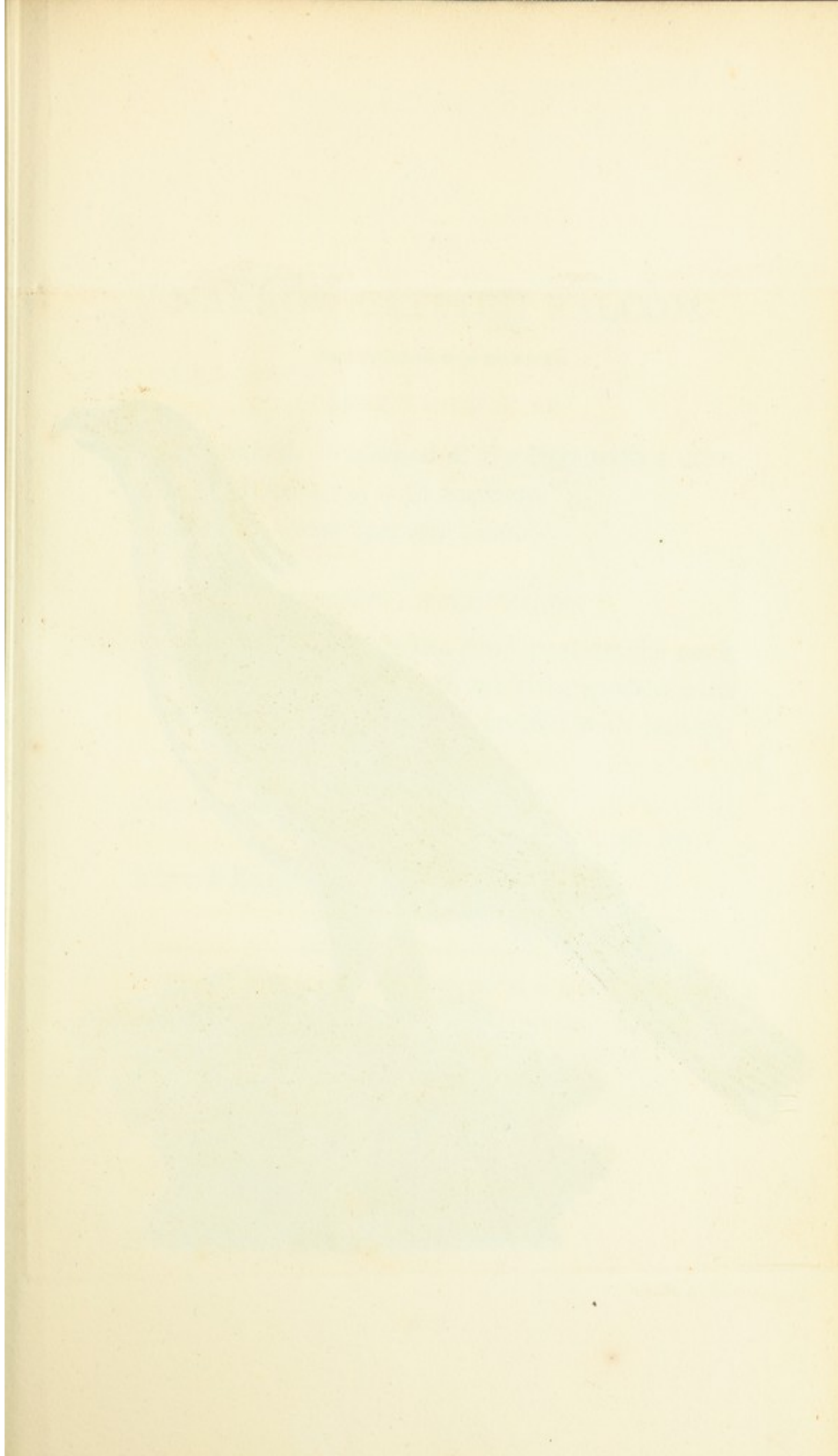
Palco superbus?

Gen. No. 7. p. 64.

Antus happy.

Amell. Ch. 1. 25.

American medicinal plant of Cayenne inodorous  
has also, magisterial Palco in palmarum cupre-  
um.







# PAINTING

THE HISTORY OF THE ART

FROM THE EARLIEST PERIODS

TO THE PRESENT TIME

BY

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LONDON

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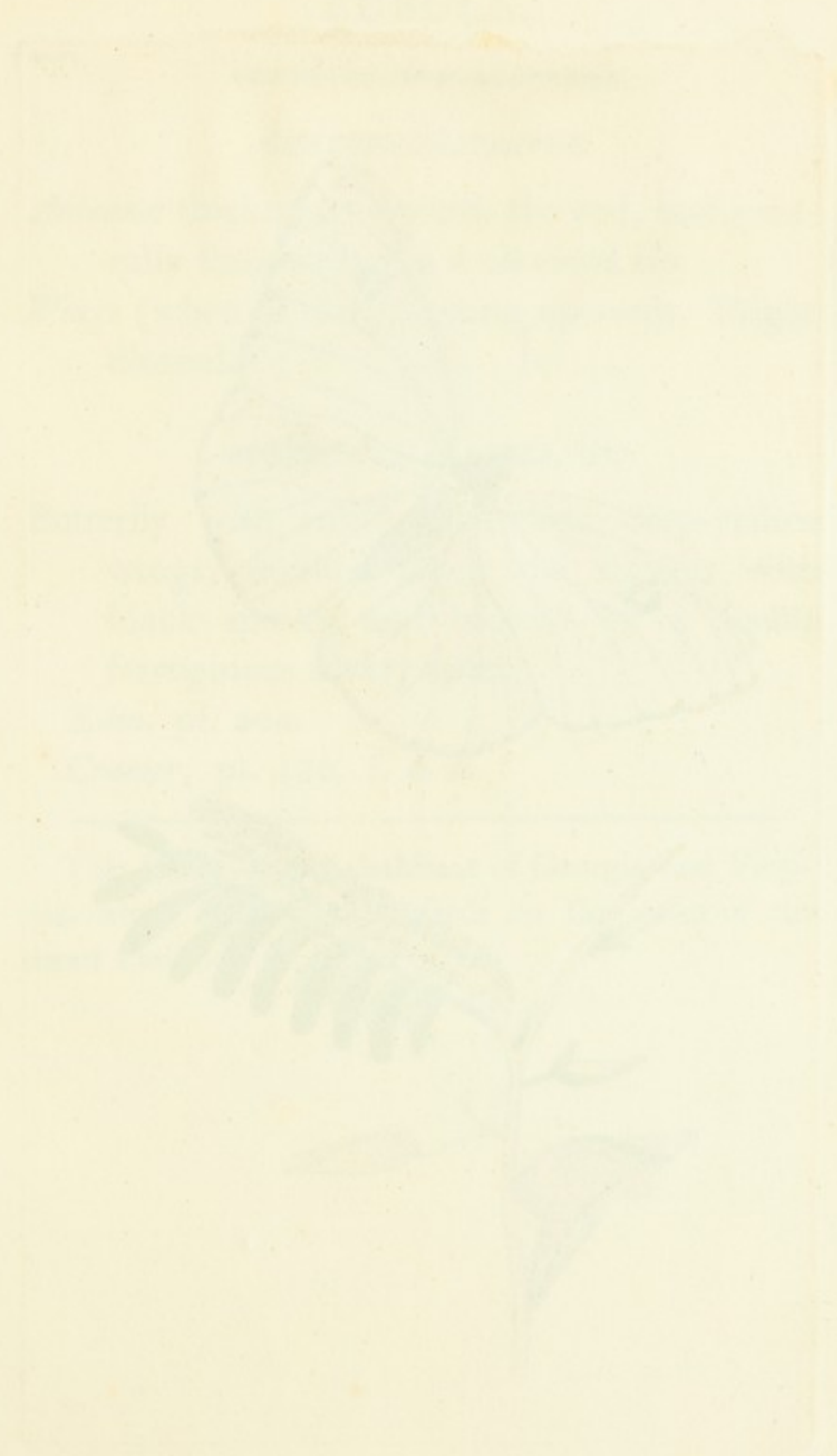
THE

ART

OF

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FROM THE EARLIEST PERIODS



## EUBULE.

\*\*\*\*\*

### GENERIC CHARACTER.

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

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

### SPECIFIC CHARACTER, &c.

Butterfly with entire, rounded, deep-yellow wings, marked along the margin with black specks, and beneath by a double ferruginous silvery spot.

*Edw.* pl. 304.

*Cramer*, pl. 120. f. E. F.

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This Insect is an inhabitant of Georgia and Virginia, where its caterpillar feeds on the leaves of the dwarf Cassia.



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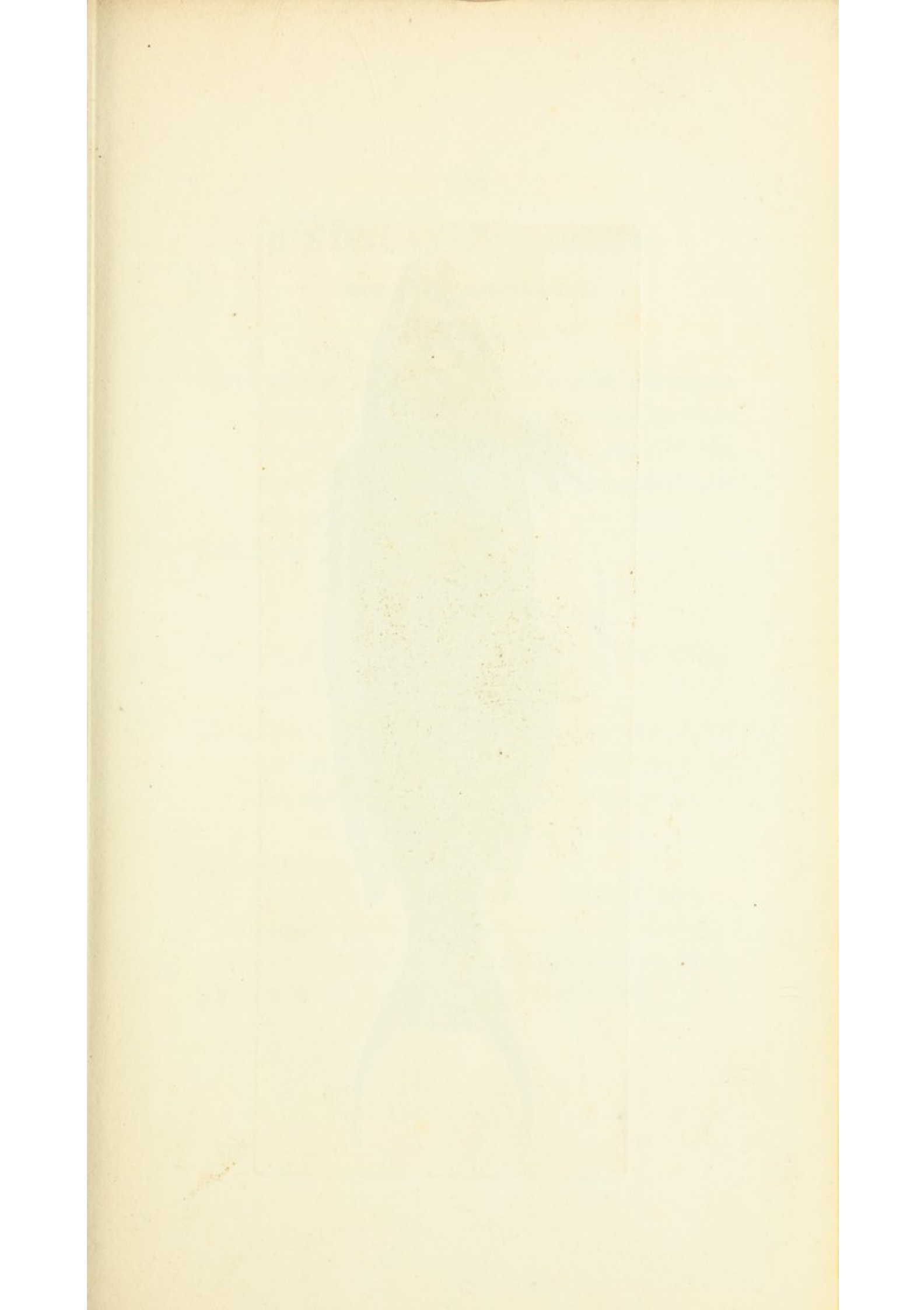
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MAY 18, 1890

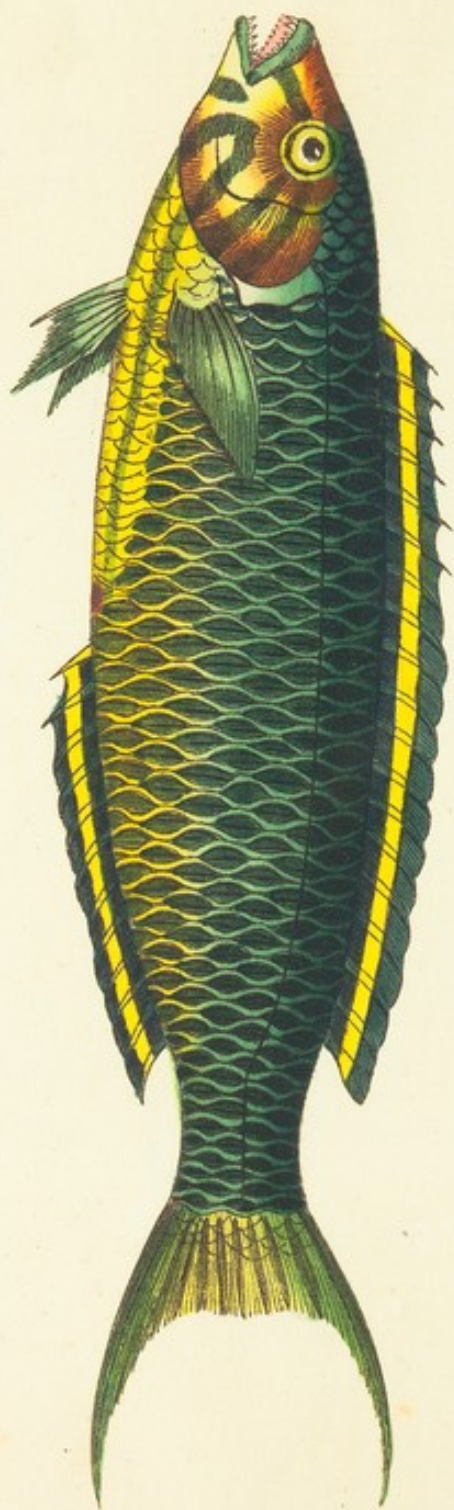
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1891

THE UNIVERSITY OF THE STATE OF NEW YORK  
LAND OFFICE









R. P. McAllister Del. J. S. G. S.

EXTRACTED LABEL

For the purpose of the present work  
the following facts have been  
collected from the records of the  
Department of the Interior.

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THE  
LAMP MUREX.

\*\*\*\*\*

GENERIC CHARACTER.

*Animal* allied to a Limax or Slug.

*Shell* univalve, roughened by membranaceous sutures.

*Aperture* ending in a strait or subascending channel.

SPECIFIC CHARACTER, &c.

Murex with ferruginous shell tuberculated on all parts, with whitish transverse bands, nearly opposite protuberances, and sub-ovate mouth rufous within.

*Lister*, tab. 1023.

*Rumph. Mus.* t. 28. c. d.

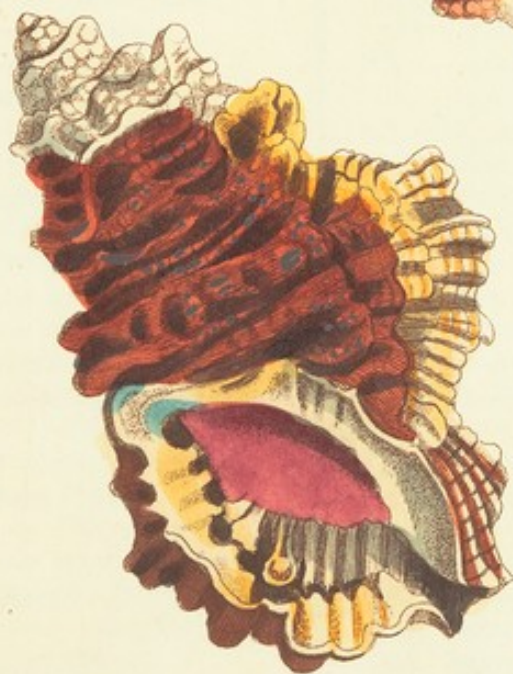
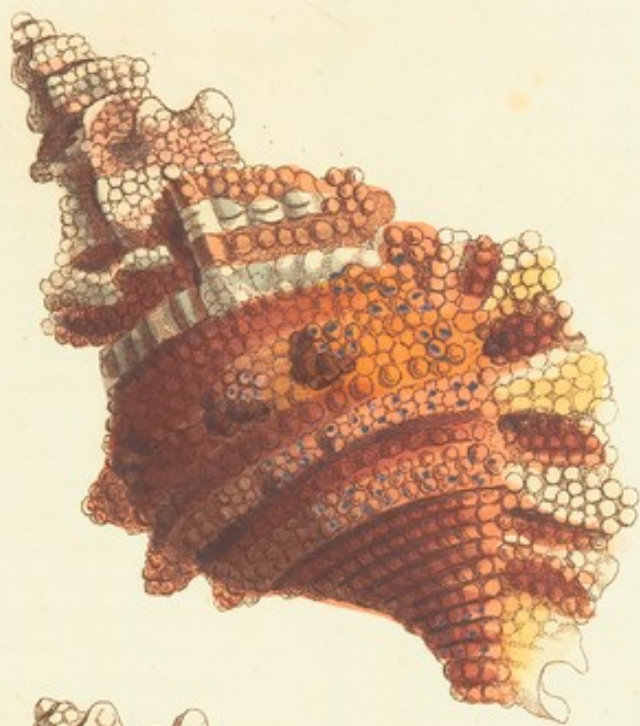
*Argenv. Conch.* pl. 9. d.

*Martini* 4. pl. 128. f. 1326. 1327.

---

This shell is an inhabitant of the Indian seas, and is sometimes found much larger than represented on the present plate.





*Nautilus pompilius L. Sculp.*

# INDEX.

PL.  
 983. *Aranea Occidua*.  
 1005. *Anas histrionica*.  
 995. *Argonauta tuberculatus*.  
 976. *Conus gloria maris*.  
 100. *Cyprinus Carpio* var.  
 1016. *Corallina dilatata*.  
 1017. *Falco fastosus*.  
 986. *Holocentrus auratus*.  
 1019. *Labrus undulatus*.  
 1012. *Lophius Cocinsinensis*.  
 1004. *Madrepore abdita*.  
 973. *Motacilla diophrys*.  
 1020. *Murex Lampas*.  
 1015. *Mytilus Hirundo* var.  
 978. *Ostrea Islandica*.  
 987. ———— var.  
 993. *Ostrea varia*.  
 981. *Promerops superbus*.  
 985. ———— *cæruleus*.  
 991. *Papilio Pyretus*.  
 1003. ———— *Troilus*.  
 1006. ———— *Archippus*.  
 1010. ———— *Philenor*.  
 1018. ———— *Eubule*.  
 996. *Phalæna oculatissima*.  
 998. ———— *Proserpina*.  
 1014. ———— *papilionaria*.  
 1009. *Parra Jacana*.  
 994. *Paradisea Gularis*.  
 1001. *Psittacus Paradisi*.  
 984. *Rana ignea*.  
 999. ———— *mephitica*.  
 974. *Scarabæus micans*.  
 990. *Scizæna unimaculata*.  
 1007. ———— *formosa*.  
 1008. *Serrularia operculata*.  
 975. *Sparas Juba*.  
 979. ———— *chloropterus*.  
 995. ———— *erythrouus*.  
 1002. *Scomber saliens*.  
 982. ———— *maculosus*.  
 980. *Sphinx Crantor*.  
 988. ———— *Elpenor*.  
 992. *Strix Africana*.  
 1011. *Strombus Lambis*.  
 997. *Sylvia minuta*.  
 1113. *Turdus Australasæ*.  
 977. *Trochilus auritus*.

PL.  
 995. *Argonaut tuberculatus*.  
 974. *Beetle shining*.  
 991. *Butterfly Pyretus*.  
 1003. ———— *Troilus*.  
 1006. ———— *Archippus*.  
 1010. ———— *Philenor*.  
 1018. ———— *Eubule*.  
 1000. *Carp common* var.  
 976. *Cone nonpareil*.  
 1016. *Coralline dilated*.  
 1005. *Duck Harlequin*.  
 1017. *Falcon narrow-crested*.  
 984. *Frog fire*.  
 986. *Holocentrus golden*.  
 977. *HummingBird violet-eared*.  
 1009. *Jacana Chesnut*.  
 1019. *Labrus undulated*.  
 1012. *Lophius Cochinchina*.  
 1004. *Madrepore narrow-gilled*.  
 982. *Mackrel mottled*.  
 1002. ———— *salient*.  
 998. *Moth Proserpine*.  
 996. ———— *Great Leopard Ermine*.  
 1014. ———— *Large Emerald*.  
 1020. *Murex Lamp*.  
 1015. *Muscle winged* var.  
 992. *Owl African*.  
 994. *Paradise-Bird Gorget*.  
 1001. *Parrot Paradise*.  
 981. *Promerops superb*.  
 985. *Promerops blue*.  
 975. *Sparus Juba*.  
 979. ———— *green-finned*.  
 978. *Scallop Iceland*.  
 987. ———— var.  
 993. ———— *variegated*.  
 980. *Sphinx Crantor*.  
 938. ———— *Elpenor*.  
 990. *Scizæna single-spotted*.  
 1007. ———— *yellow-striped*.  
 1008. *Sertularia operculated*.  
 995. *Sparus red-tailed*.  
 983. *Spider Western*.  
 1011. *Strombus seven-clawed*.  
 1013. *Thrush Australasian*.  
 999. *Toad mephitic*.  
 973. *Warbler double-streaked*.  
 997. ———— *minute*.



INDEX

187	General Introduction
188	1. The History of the
189	2. The History of the
190	3. The History of the
191	4. The History of the
192	5. The History of the
193	6. The History of the
194	7. The History of the
195	8. The History of the
196	9. The History of the
197	10. The History of the
198	11. The History of the
199	12. The History of the
200	13. The History of the
201	14. The History of the
202	15. The History of the
203	16. The History of the
204	17. The History of the
205	18. The History of the
206	19. The History of the
207	20. The History of the
208	21. The History of the
209	22. The History of the
210	23. The History of the
211	24. The History of the
212	25. The History of the
213	26. The History of the
214	27. The History of the
215	28. The History of the
216	29. The History of the
217	30. The History of the
218	31. The History of the
219	32. The History of the
220	33. The History of the
221	34. The History of the
222	35. The History of the
223	36. The History of the
224	37. The History of the
225	38. The History of the
226	39. The History of the
227	40. The History of the
228	41. The History of the
229	42. The History of the
230	43. The History of the
231	44. The History of the
232	45. The History of the
233	46. The History of the
234	47. The History of the
235	48. The History of the
236	49. The History of the
237	50. The History of the
238	51. The History of the
239	52. The History of the
240	53. The History of the
241	54. The History of the
242	55. The History of the
243	56. The History of the
244	57. The History of the
245	58. The History of the
246	59. The History of the
247	60. The History of the
248	61. The History of the
249	62. The History of the
250	63. The History of the
251	64. The History of the
252	65. The History of the
253	66. The History of the
254	67. The History of the
255	68. The History of the
256	69. The History of the
257	70. The History of the
258	71. The History of the
259	72. The History of the
260	73. The History of the
261	74. The History of the
262	75. The History of the
263	76. The History of the
264	77. The History of the
265	78. The History of the
266	79. The History of the
267	80. The History of the
268	81. The History of the
269	82. The History of the
270	83. The History of the
271	84. The History of the
272	85. The History of the
273	86. The History of the
274	87. The History of the
275	88. The History of the
276	89. The History of the
277	90. The History of the
278	91. The History of the
279	92. The History of the
280	93. The History of the
281	94. The History of the
282	95. The History of the
283	96. The History of the
284	97. The History of the
285	98. The History of the
286	99. The History of the
287	100. The History of the



