



BOOK NO.
25

BOOK NO.
1325

LIST
OF
THE VERTEBRATED ANIMALS
EXHIBITED
IN THE GARDENS
OF THE
ZOOLOGICAL SOCIETY OF LONDON,
1828-1927.

CENTENARY EDITION IN THREE VOLUMES.

VOLUME III.

REPTILES.

By Major S. S. FLOWER, O.B.E., F.Z.S.

AMPHIBIA.

By Dr. MALCOLM A. SMITH, M.R.C.S., L.R.C.P., F.Z.S.

FISHES.

By E. G. BOULENGER, F.Z.S.

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LIST OF THE SPECIES OF
REPTILES
THAT HAVE BEEN EXHIBITED ALIVE
IN THE GARDENS OF THE
ZOOLOGICAL SOCIETY OF LONDON
IN THE CENTURY ENDING
31st DECEMBER, 1927.

BY
MAJOR STANLEY SMYTH FLOWER,
O.B.E., F.L.S., F.Z.S., etc.



CLASSIFICATION.

"As the classification of the Animal Kingdom is but a mode of expressing the zoologist's knowledge of the mutual affinities of the various forms of animal life, it must necessarily be subject to constant change as that knowledge increases; and moreover, as different zoologists will naturally estimate differently the value of structural characters as affording evidence of affinity, it is clear that it is hopeless to expect a definite system of classification which will meet with any approach to unanimous approval."
— *W. H. Flower* (Annual Report of the Conservator to the Museum Committee, Royal College of Surgeons of England, 28 June, 1869, page 5).

This List is based on the invaluable Catalogue of Reptiles in the British Museum by Mr. G. A. Boulenger, F.R.S., F.Z.S., published in seven volumes, 1885-1896.

Mr. Boulenger's classification and nomenclature have been followed as far as possible. The larger series of specimens now available for study has necessitated some alterations.

The families of the Sauria have been arranged to accord with the results of the researches of Mr. C. L. Camp, published in his "Classification of the Lizards," *Bull. Amer. Mus. Nat. Hist. New York*, 48 (11), 1923, pp. 289-435.

Modern herpetological literature has made it possible to use a more conservative selection of generic and specific

names than was available at the time when Mr. Boulenger wrote his catalogue, a period when some of the older publications of the earlier zoologists had been forgotten or overlooked. It is also now possible to retain the original spelling of these scientific names.

Figures referred to, unless otherwise stated, are of the whole animal, and are coloured.

1 June, 1928.

S. S. FLOWER.

CORRIGENDA.

- P. 4.—5. *Sternotherus odoratus* (Latreille), Deterville ed. Buffon, Rept. 1, p. 122, 1801. *v.* Sherborn, Index Anim. 2, p. 4547, 1929.
- P. 4.—6. *Kinosternon subrubrum* (Lacépède), *for* 2, p. 445 (which refers to an octavo edition), *read* 1, Syn. méth.
- P. 8.—14. *Read*
Batagur baska (J. E. Gray).
 Baska Terrapin.
 Dr. Malcolm A. Smith writes, 7 June 1929, that *Emys baska* Gray, Ill. Ind. Zool. pt. 4, pl. 8 [=pl. 75], was published in 1830, and so has priority over *Emys batagur* Gray 1831.
- P. 34.—89. Lord Rothschild, F.R.S., V.P.Z.S., 20 June, 1929, says that the type of *Testudo gouffei* was received in 1906, and lived only a short time in London.
- P. 35.—93. The Tortoise deposited 29 July, 1915, is now, 20 June, 1929, considered by Lord Rothschild to be *Testudo macrophyes* Garman, Mem. Mus. Comp. Zool. Cambridge, Mass. 30, p. 273, 1917.
- P. 36.—95. The Tortoise presented 17 April, 1928, and identified, P. Z. S. 1928, p. 659, as *T. microphyes* Günther 1875, is now, 20 June, 1929, referred by Lord Rothschild to *T. macrophyes* Garman 1917.
- P. 36.—96. *Testudo güntheri* Baur 1890 is a synonym of *T. microphyes* Günther 1875, according to Lord Rothschild, 20 June, 1929.
- P. 99, line 7, *for* p. 103 *read* p. 102.

LIST OF ANIMALS.

Class REPTILIA.

Orders:

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1. Testudinata	1
2. Loricata ..	54
3. Rhynchocephalia	61
4. Sauria	62
5. Serpentes	154

Order 1. TESTUDINATA.

Families :

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1. Chelydridae	1	*7. Dermochelidae	—
2. Dermatemydæ	3	8. Pelomedusidae	40
3. Kinosternidae	4	9. Chelydidae	44
4. Platysternidae	6	*10. Carettochelydidae ..	—
5. Testudinidae ..	7	11. Trionychidae	50
6. Cheloniidae	38		

Family CHELYDRIDAE.

Genera :

	Page
1. <i>Chelydra</i>	2
2. <i>Macrochelys</i>	2

* These two families have not been represented alive in the Gardens,
31 Dec. 1927.

Genus **Chelydra** Schweigger, Prod. Mon. Chel.
Königsberg, Arch. Naturw. Math. 1,
pt. 3, p. 294, 1812.

Species :

	Page
1. <i>serpentina</i>	2

1. *Chelydra serpentina* (Linnaeus), Syst. Nat. 1, p. 199, 1758.

Snapper. Alligator-Terrapin. Common Snapper, or Snapping Turtle (in America).

Hab. Eastern North America : from southern Canada to the Gulf of Mexico and west to the Rocky Mountains.

Figs. Holbrook, N. Amer. Herp. 1, 1842, pl. 23.
Brit. Mus. Cat. Chel. 1889, p. 22, fig. 4 : shell, uncoloured. E. G. Boulenger, Rept. & Batr. 1914, p. 7, fig. a : photograph.

A male living in the Gardens in 1831, before 13 Sept. 1831, appears to have been the first received.

Genus **Macrochelys** J. E. Gray, Proc. Zool. Soc.
London, 1855, p. 200 : published 1856.

Species :

	Page
1. <i>temminckii</i>	2

2. *Macrochelys temminckii* (Holbrook), N. Amer. Herp. ed. 1, 4, p. 29, 1840. v. Stejneger & Barbour, Check List N. Amer. Rept. ed. 2, p. 128, 1923.

Macrochelys temminckii.

Temminck's Snapper. Alligator-Snapper (in America).

Hab. Eastern North America : Texas eastward to Georgia and Florida, and northward up the Mississippi to northern Missouri.

Figs. Holbrook, N. Amer. Herp. 1, 1842, pl. 24.
Brit. Mus. Cat. Chel. 1889, p. 25, fig. 6 : shell, uncoloured.

First received, two presented 4 Dec. 1868, by Mr. G. Hagenbeck.

Family DERMATEMYDAE.

Genera :

	Page
1. <i>Dermatemys</i>	3
2. <i>Staurotypus</i>	3

Genus **Dermatemys** J. E. Gray, Proc. Zool. Soc.
London, 1847, p. 55.

Species :

	Page
1. <i>mawii</i>	3

3. *Dermatemys mawii* J. E. Gray, Proc. Zool. Soc.
London, 1847, p. 55.

Maw's Terrapin (named after Lieut. H. L. Maw, R.N.).

Hab. Central America.

Figs. P. Z. S. 1870, pl. 42, as *Chloremys abnormis* :
uncoloured. Brit. Mus. Cat. Chel. 1889, p. 28,
fig. 8 : shell, uncoloured. E. G. Boulenger, Rept.
& Batr. 1914, p. 7, fig. c : photograph.

One living in the Gardens 1865-1866. One purchased
12 Aug. 1870, was referred to *Chloremys abnormis*
(Cope) 1868, see J. E. Gray, P. Z. S. 1870, p. 716.

Genus **Staurotypus** Wagler, Syst. Amphib.
p. 137, 1830.

Species :

	Page
1. <i>triporcatus</i>	3

4. *Staurotypus triporcatus* (Wiegmann), Isis, 21, p. 364,
1828.

Three-keeled Terrapin.

Hab. Central America and Mexico.

Figs. Wagler, Syst. Amphib. Atlas, 1830, pl. 5, figs. 44,
45 : uncoloured. Wagler, Icon. Amphib. 1833, pl. 33.
E. G. Boulenger, Rept. & Batr. 1914, p. 7, fig. b :
photograph.

One received in exchange 8 Jan. 1908.

Family KINOSTERNIDÆ.

Genera :

	Page
1. <i>Sternotherus</i>	4
2. <i>Kinosternon</i>	4

Genus **Sternotherus** J. E. Gray, Ann. Philos.
London (2), 10, p. 211, 1825.

Species :

	Page
1. <i>odoratus</i>	4

5. *Sternotherus odoratus* (Latreille), Hist. Nat. Rept. 1,
p. 122, 1802. v. Nouv. éd. p. 122, 1830.

Cinosternum odoratum.

Stink-pot Mud-Terrapin. Stink-pot Musk-Turtle (in
America).

Hab. North America : from Canada south to the
eastern and southern United States, and west to
western Missouri and southern Texas.

Fig. Holbrook, N. Amer. Herp. 1, 1842, pl. 22.

One living in the Gardens 1 Jan. 1871.

Genus **Kinosternon** Spix, Spec. Nov. Testud.
Brasil. p. 17, 1824.

Species :

	Page
1. <i>subrubrum</i>	4
2. <i>baurii</i>	5
3. <i>scorpioides</i>	5
4. <i>leucostomum</i>	5
5. <i>cruentatum</i>	6

6. *Kinosternon subrubrum* (Lacépède), Hist. Nat.
Quadr. Ovip. Serp. 2, p. 445, 1788.

Cinosternum pennsylvanicum G. A. Boulenger, Brit.
Mus. Cat. Chel. p. 39, 1889.

Cinosternum pennsylvanicum P. L. Sclater, List,
ed. 9, p. 553, 1896.

Pennsylvanian Mud-Terrapin. Mud-Turtle (in America).

Hab. North America : eastern and southern United States.

Fig. Holbrook, N. Amer. Herp. 1, 1842, pl. 21.

Three received in exchange 24 June, 1868.

7. *Kinosternon baurii* (Garman), Bull. Essex Inst. 23, p. 141, 1891.

Cinosternum baurii.

Garman's Mud-Terrapin. Garman's Musk-Turtle.

Hab. North America : Florida.

Fig. Ditmars, Rept. Book, 1907, pl. 10, lower fig. : photograph.

One presented 6 June, 1925, by Dr. T. Barbour, C.M.Z.S.

8. *Kinosternon scorpioides* (Linnaeus), Syst. Nat. 1, p. 352, 1766.

Cinosternum scorpioides. *C. longicaudatum*.

Scorpion Mud-Terrapin.

Hab. South America : Guianas and northern Brazil.

Figs. Spix, Spec. Nov. Testud. Brasil. 1824, pls. 12 & 13, as *Kinosternon longicaudatum* and *K. brevicaudatum*. Bell, Mon. Testud. 1836-1842, pl. 21.

Three purchased 16 Dec. 1870.

9. *Kinosternon leucostomum* A. Duméril, Cat. Méth. Rept. p. 17, 1851.

Cinosternum leucostomum.

White-mouthed Mud-Terrapin.

Hab. Central America and northern South America.

Figs. Günther, Biol. C.-Amer. Rept. 1885, pls. 16 & 17 : uncoloured. Brit. Mus. Cat. Chel. 1889, p. 35, fig. 12 : shell, uncoloured.

One living in the Gardens 1 Jan. 1870.

10. *Kinosternon cruentatum* (A. Duméril), Cat. Méth.
Rept. p. 16, 1851.

Cinosternum cruentatum.

Gory Mud-Terrapin.

Hab. Central America: southern Mexico to Costa Rica.

Figs. Biol. C.-Amer. Rept. 1885, pls. 9-11: uncoloured. E. G. Boulenger, Rept. & Batr. 1914, p. 10: photographs.

First received 5 June, 1909.

Family PLATYSTERNIDÆ.

Genus:

1. <i>Platysternon</i>	Page 6
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Genus **Platysternon** J. E. Gray, Proc. Zool. Soc.
London, 1831, p. 106.

Species:

1. <i>megacephalum</i>	Page 6
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11. *Platysternon megacephalum* J. E. Gray, Proc. Zool.
Soc. London, 1831, p. 107.

Platysternum megacephalum.

Large-headed Terrapin.

Hab. South-east Asia: Burma, northern Siam and China to as far north as Fukien, and reported to occur in the Philippine Islands.

Figs. J. E. Gray, Illustr. Ind. Zool. 2, 1834, pl. 62.
Brit. Mus. Cat. Chel. 1889, p. 47, fig. 14: shell, uncoloured.

One presented in 1834, before 23 Sept. 1834, by Mr. J. R. Reeves.

Family TESTUDINIDAE.

Genera :		Page	Page	
1. <i>Kachuga</i>		7	13. <i>Bellia</i>	16
2. <i>Butagur</i>		8	14. <i>Clemmys</i>	16
3. <i>Hardella</i>		8	15. <i>Emys</i>	19
4. <i>Morenia</i>		8	16. <i>Terrapene</i>	20
5. <i>Orlitia</i>		9	17. <i>Geoemyda</i>	21
6. <i>Chrysemys</i>		9	18. <i>Notochelys</i>	23
7. <i>Pseudemys</i>		10	19. <i>Cyclemys</i>	23
8. <i>Deirochelys</i>		12	20. <i>Heosemys</i>	24
9. <i>Ocadia</i>		13	21. <i>Kinixys</i>	25
10. <i>Malaclemys</i>		13	22. <i>Pyxis</i>	26
11. <i>Graptemys</i>		14	23. <i>Homopus</i>	26
12. <i>Geoclemys</i>		15	24. <i>Testudo</i>	27

Genus **Kachuga** J. E. Gray, Brit. Mus.
Cat. Sh. Rept. 1, p. 35, 1855.

Species :

	Page
1. <i>dhongoka</i>	7
2. <i>tectum</i>	7

12. *Kachuga dhongoka* (J. E. Gray), Illustr. Ind. Zool. 2,
pl. 60, 1834.

Dhongoka Terrapin. Banded Water-Tortoise.

Hab. India: water-systems of the Indus and Ganges.

Figs. J. E. Gray, *l. c. s.*, & Brit. Mus. Cat. Sh. Rept. 1,
1855, pl. 18: uncoloured.

Two received in exchange 21 May, 1912.

13. *Kachuga tectum* (J. E. Gray), Syn. Rept. p. 23, 1831.

Roofed Terrapin. Dura Water-Tortoise.

Hab. India: water-systems of the Indus and Ganges.

Figs. J. E. Gray, Illustr. Ind. Zool. 1, 1830-1832,
pl. 72, as *Emys tectum*. Bell, Mon. Testud. 1836-
1842, pl. 13, as *Emys tectum*.

First received between 30 April, 1838, and 29 April,
1839.

Genus **Batagur** J. E. Gray, Brit. Mus.
Cat. Sh. Rept. 1, p. 35, 1855.

Species:

1. *batagur* Page
8

14. *Batagur batagur* (J. E. Gray), Syn. Rept. p. 23, 1831.

Batagur baska.

Baska Water-Tortoise.

Hab. South-east Asia: eastern India, Burma, Cochinchina, Malay Peninsula and Sumatra.

Figs. J. E. Gray, Illustr. Ind. Zool. 1, 1832, pl. 75, & 2, 1834, pl. 59, as *Emys baska* and *Emys batagur*.
Lesson, Illustr. Zool. 1831-1832, pl. 7, as *Tetronyx longicollis*.
J. E. Gray, Brit. Mus. Cat. Sh. Rept. 1, 1855, pl. 16: uncoloured.

One presented 2 May, 1902, by Mr. L. Wray, I.S.O., F.Z.S.

Genus **Hardella** J. E. Gray, Brit. Mus.
Suppl. Cat. Sh. Rept. 1, p. 58, 1870.

Species:

1. *thurjii* Page
8

15. *Hardella thurjii* (J. E. Gray), Syn. Rept. p. 22, 1831.

Hardella thurgi.

Thurgi Terrapin.

Hab. India: water-systems of the Indus and Ganges.

Figs. J. E. Gray, Illustr. Ind. Zool. 1, 1832, pl. 73,
as *Emys thugi*. Brit. Mus. Cat. Chel. 1889, p. 65,
fig. 19: shell, uncoloured.

One purchased 4 May, 1871.

Genus **Morenia** J. E. Gray, Brit. Mus.
Suppl. Cat. Sh. Rept. 1, p. 62, 1870.

Species:

1. *ocellata* Page
8

16. *Morenia ocellata* (Duméril & Bibron), Erp. gén. 2,
p. 329, 1835.

Eyed Terrapin.

Hab. South-east Asia : Burma.

Figs. Duméril & Bibron, *l. c. s.* pl. 1, as *Emys ocellata*.
Anderson, *Anat. Zool. Res. Yunnan*, 2, 1878, pls. 60,
61, as *Emys (Morenia) ocellata*. *Brit. Mus. Cat.*
Chel. 1889, p. 67, fig. 20 : shell, uncoloured.

Four presented 30 May, 1891, by Mr. W. L. Slater,
F.Z.S.

Genus **Orlitia** J. E. Gray, *Ann. Mag. Nat.*
Hist. (4) 11, p. 156, 1873.

Species :

	Page
<i>borneensis</i>	9

17. *Orlitia borneensis* J. E. Gray, *Ann. Nat. Hist.* (4)
11, p. 157, 1873.

Great Bornean Water-Tortoise.

Hab. South-east Asia : Malay Peninsula, Sumatra and
Borneo.

Fig. N. de Rooij, *Rept. Indo-Austr. Archip.* 1, 1915,
p. 292, fig. 106 : juv. shell, uncoloured.

One presented 22 May, 1922, by H.R.H. The Prince of
Wales.

Genus **Chrysemys** J. E. Gray, *Brit. Mus.*
Cat. Tort. p. 27, 1844.

Species :

	Page
1. <i>picta</i>	9
2. <i>bellii</i>	10

18. *Chrysemys picta* (Schneider), *Naturg. Schildkr.*
p. 348, 1783.

Painted Terrapin. Painted Turtle (in America).

Hab. Eastern North America : from New Brunswick
to Georgia.

Figs. Holbrook, *N. Amer. Herp.* 1, 1842, pl. 10.
E. G. Boulenger, *Rept. & Batr.* 1914, p. 11, fig. a :
photograph.

First received in 1838, or early in 1839, when a
specimen was presented by Dr. Harlan. This
species is reported to have bred in the Gardens
between 29 April, 1860, and 29 April, 1861.

19. *Chrysemys bellii* (J. E. Gray), Syn. Rept. p. 31, 1831.
Bell's Terrapin.

Hab. North America : from Vancouver Island, British Columbia, Minnesota and Michigan, southward into Mexico.

Fig. Holbrook, N. Amer. Herp. 1, 1842, pl. 16, as *Emys oregoniensis*.

First received 18 Nov. 1925.

Genus **Pseudemys** J. E. Gray, Proc. Zool. Soc.
London, 1855, p. 197 : published 1856.

Species :

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1. <i>scripta</i>	10	5. <i>floridana</i>	11
2. <i>elegans</i>	10	6. <i>concinna</i>	11
3. <i>rugosa</i>	11	7. <i>rubriventris</i>	12
4. <i>ornata</i>	11	8. <i>mobilensis</i>	12

20. *Pseudemys scripta* (Schoepff), Hist. Testud. p. 16, 1792.

Chrysemys scripta.

Serrated Terrapin. Yellow-bellied Terrapin. Slider, or Cooter (in America).

Hab. Eastern North America : Georgia to North Carolina.

Figs. Holbrook, N. Amer. Herp. 1, 1842, pl. 5, as *Emys serrata*. Brit. Mus. Cat. Chel. 1889, p. 70, fig. 22 : shell, uncoloured.

First received in 1852.

21. *Pseudemys elegans* (Wied), Reise Nord-Amer. 1, p. 213, 1838.

Chrysemys scripta elegans.

Elegant Terrapin.

Hab. North America : Mississippi basin from Iowa and Ohio southward, and Texas.

Fig.

Twenty deposited 3 May, 1900.

22. *Pseudemys rugosa* (Shaw), Gen. Zool. 3, p. 28, 1802.

Chrysemys scripta rugosa.

Wrinkled Terrapin. Hicotee Terrapin. Hicotea (in Cuba).

Hab. West Indies: from Cuba to Martinique.

Figs. Bell, Mon. Testud. 1836-1842, pls. 28 & 29, as *Emys decussata*. Ramon de la Sagra, Hist. Cuba, Rept. 1843, pls. 1 & 2. Sowerby & Lear, Tort. 1872, pls. 42, 43, as *Emys rugosa*.

One, or two, purchased 23 Dec. 1870, appear to have been the first called *rugosa*, and two purchased 28 Jan. 1872, the first referred to *Emys decussata* J. E. Gray 1831.

23. *Pseudemys ornata* (J. E. Gray), Syn. Rept. p. 30, 1831.

Chrysemys ornata.

Ornate Terrapin.

Hab. Central America and Mexico.

Figs. Sowerby & Lear, Tort. 1872, pl. 44, as *Emys ornata*: very young. Biol. C.-Amer. Rept. 1885, pl. 1, as *Emys ornata*.

One presented between 30 April, 1838, and 29 April, 1839, by Dr. Harlan.

24. *Pseudemys floridana* (Le Conte), Ann. Lyc. Nat. Hist. New York, 3, p. 100, 1830.

Chrysemys floridana.

Florida Terrapin.

Hab. Eastern North America: Florida and southern Georgia.

Fig. Holbrook, N. Amer. Herp. 1, 1842, pl. 8.

One presented 4 June, 1874, by the Smithsonian Institution.

25. *Pseudemys concinna* (Le Conte), Ann. Lyc. Nat. Hist. New York, 3, p. 106, 1830.

Chrysemys concinna.

Pretty Terrapin. Broad Cooter.

- Hab.* Eastern North America : from Maryland south to Georgia.
- Fig.* Holbrook, N. Amer. Herp. 1, 1842, pl. 19.
- A northern representative of *Pseudemys floridana*, true *P. concinna*, appears not to have been in the Gardens till at some date after 1895.
26. *Pseudemys rubriventris* (Le Conte), Ann. Lyc. Nat. Hist. New York, 3, p. 101, 1830.
Chrysemys rubriventris.
Red-bellied Terrapin, or Cooter. Potter Tortoise.
Hab. Eastern North America : from Massachusetts south to Florida.
Figs. Holbrook, N. Amer. Herp. 1, 1842, pl. 6.
L. Agassiz, Contr. Nat. Hist. U.S. 1, 1857, pls. 26 & 27, as *Ptychemys rugosa*.
First received in 1856 or 1857.

27. *Pseudemys mobilensis* (Holbrook), N. Amer. Herp. 1, p. 71, 1842.
Chrysemys mobiliensis.
Holbrook's Terrapin. Mobilianer.
Hab. South-eastern North America : Alabama.
Fig. Holbrook, *l. c. s.* pl. 9.
First received before 29 April, 1859, probably 24 Nov. 1857, or 1 Sept. 1858, dates on which several American Tortoises were presented by Mr. Arthur Russell.

Genus **Deirochelys** L. Agassiz, Contr. Nat. Hist. U.S. 1, p. 441, 1857.

Species:

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1. <i>reticularia</i>	12

28. *Deirochelys reticularia* (Latreille), Hist. Nat. Rept. 1, p. 124, 1802. *r.* Stejneger & Barbour, Check List N. Amer. Rept. ed. 2, p. 137, 1923.
Chrysemys reticulata.

Chicken Tortoise. Chicken-Turtle (in America).

Hab. Eastern North America: from North Carolina and central Florida west to the Mississippi.

Fig. Holbrook, N. Amer. Herp. 1, 1842, pl. 7.

First received in 1856 or 1857.

Genus **Ocadia** J. E. Gray, Brit. Mus. Suppl.
Cat. Sh. Rept. 1, p. 35, 1870.

Species :

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1. <i>sinensis</i>	13

29. *Ocadia sinensis* (J. E. Gray), Proc. Zool. Soc. London, 1834, p. 53.

Bennett's Terrapin.

Hab. East Asia: Annam, south China, Hainan and Formosa.

Figs. J. E. Gray, Brit. Mus. Cat. Sh. Rept. 1855, pl. 10, as *Emys bennettii*: uncoloured. Brit. Mus. Cat. Chel. 1889, p. 87, fig. 24: shell, uncoloured. Stejneger, Bull. U.S. Nat. Mus. 58, 1907, pp. 490, 491, figs. 377-381: shell and head, uncoloured.

One presented in 1834, before 23 Sept. 1834, by Mr. J. R. Reeves.

Genus **Malaclemys** J. E. Gray, Brit. Mus. Cat.
Tort. p. 28, 1844.

Species :

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1. <i>centrata</i>	13

30. *Malaclemys centrata* (Latreille), Deterville ed. Buffon, Rept. 1, p. 145, 1801. v. Sherborn, Index Anim. 2, p. 1169, 1924.

Malacoclemmys terrapen G. A. Boulenger, Brit. Mus. Cat. Chel. p. 89, 1889.

Malacoclemmys terrapin P. L. Sclater, List, ed. 9, p. 555, 1896.

Salt-water Terrapin. Diamond-back Terrapin.

Hab. Eastern North America: salt-marshes of Atlantic coast from about New York to Florida, with a form, *M. pileata* (Wied) 1865, from western Florida to Texas.

Figs. Holbrook, N. Amer. Herp. 1, 1842, pl. 12.
Bell, Mon. Testud. 1836-1842, pls. 33-36, as *Emys concentrica*.

First received in 1852.

Genus **Graptemys** L. Agassiz, Contr. Nat. Hist. U.S. 1, p. 436, 1857.

Species:

	Page
1. <i>geographica</i>	14
2. <i>pseudogeographica</i>	14

31. *Graptemys geographica* (Le Sueur), J. Ac. Nat. Sci. Philad. 1, pt. 1, p. 86, 1817.

Malacoclemmys geographica.

Erie Map-Terrapin. Map-Turtle (in America).

Hab. North America: widely distributed from Texas and Iowa eastward to Virginia, to New York and to the south shore of Lake Ontario.

Figs. Le Sueur, l. c. s. pl. 5: uncoloured. Holbrook, N. Amer. Herp. 1, 1842, pl. 14.

Four deposited 7 Nov. 1899.

32. *Graptemys pseudogeographica* (J. E. Gray), Syn. Rept. p. 31, 1831.

Malacoclemmys lesueuri.

Small-headed Map-Terrapin. Map-Turtle (in America).

Hab. North America: eastern Texas, Louisiana and Alabama, and north up the Mississippi valley to Wisconsin and Ohio.

Fig. Holbrook, N. Amer. Herp. 1, 1842, pl. 15.

Eleven deposited 7 May, 1900.

Genus **Geoclemys** J. E. Gray, Brit. Mus. Cat.
Sh. Rept. 1, p. 17, 1855.

Species :

	Page
1. <i>hamiltonii</i>	15
2. <i>subtrijuga</i>	15
3. <i>reevesii</i>	15

33. *Geoclemys hamiltonii* (J. E. Gray), Syn. Rept. p. 21, 1831.

Damonia hamiltoni.

Hamilton's Terrapin.

Hab. India : Bengal, Punjab, Upper Sind.

Fig. J. E. Gray, Illustr. Ind. Zool. 1, 1832, pl. 76, fig. 1, as *Emys guttata*.

Two purchased Aug. 1859.

34. *Geoclemys subtrijuga* (Schlegel & S. Müller), in Temminck, Verh. Nat. Ges. Ned. overz. bez. Rept. p. 30, 1844.

Damonia subtrijuga.

Siamese Terrapin.

Hab. South-east Asia : Siam, Cambodia, Cochinchina, parts of the Malay Peninsula and Java.

Figs. P. Z. S. 1859, Rept. pl. 21, as *Geoclemmys macrocephala* : uncoloured. N. de Rooij, Rept. Indo-Austr. Archip. 1, 1915, p. 295, fig. 108 : shell, uncoloured.

One presented 17 Oct. 1898, by Lieut. S. S. Flower, F.Z.S., 5th Fusiliers, appears to have been the first received.

35. *Geoclemys reevesii* (J. E. Gray), Syn. Rept. p. 73, 1831.

Damonia reevesii and *Damonia reevesii unicolor*.

Reeves's Terrapin.

Hab. East Asia : China, Korea and Japan.

Figs. J. E. Gray, Brit. Mus. Cat. Sh. Rept. 1, 1855, pl. 5, as *Emys reevesii* : uncoloured. P. Z. S. 1873, pl. 44, as *Clemmys unicolor*. Stejneger, Bull. U.S. Nat. Mus. 58, 1907, p. 498, figs. 385-388 : shell and head, uncoloured.

One presented in 1834, before 23 Sept. 1834, by Mr. J. R. Reeves, after whom the species was named. Three presented 8 May, 1873, by Mr. R. Swinhoe, F.Z.S., appear to have been the types of *Damonia unicolor* J. E. Gray 1873, now recognised as melanistic individuals of *G. reevesii*.

Genus **Bellia** J. E. Gray, Proc. Zool. Soc.
London, 1869, p. 197.

Species :

	Page
1. <i>crassicollis</i>	16

36. *Bellia crassicollis* (J. E. Gray), Syn. Rept. p. 21, 1831.

Thick-necked Terrapin.

Hab. South-east Asia: Tenasserim, Siam, Malay Peninsula, Sumatra, Java and Borneo.

Figs. J. E. Gray, Illustr. Ind. Zool. 1, 1832, pl. 76, fig. 2, as *Emys crassicollis*. Günther, Rept. Brit. Ind. 1864, pl. 4, fig. e: uncoloured. Brit. Mus. Cat. Chel. 1889, p. 99, fig. 28: shell, uncoloured. N. de Rooij, Rept. Indo-Austr. Archip. 1, 1915, p. 297, fig. 109: uncoloured.

One presented 22 Jan. 1875, by Mr. W. Dunn, C.M.Z.S.

Genus **Clemmys** Ritgen, Nova Acta Ac. Caes.
Leop.-Carol. 14, pt. 1, p. 270, 1828.

Species :

	Page		Page
1. <i>caspica</i>	16	5. <i>insculpta</i>	18
2. <i>leprosa</i>	17	6. <i>muhlenbergii</i>	18
3. <i>japonica</i>	17	7. <i>guttata</i>	18
4. <i>bealei</i>	18		

37. *Clemmys caspica* (S. G. Gmelin), Reise d. Russland, 3, p. 59, 1774. v. Siebenrock, Ann. Naturhist. Hofmus. Wien, 27, p. 177, etc., full synonymy, 1913.

Caspian Terrapin. Levant Terrapin.

Hab. West Asia and south-east Europe: the typical form occurs from Transcaucasia to Mesopotamia and Persia, the western form, *C. c. rivulata* (Vakencienne) 1832, inhabits Palestine, Syria, Asia Minor, Turkey, Greece, Herzegovina and Dalmatia, and has been reported from Cyprus, Crete and other islands.

Figs. P. Z. S. 1869, pl. 38, as *Emys grayi* Günther 1869: head, feet and shell, uncoloured. Siebenrock, *l. c. s.* pp. 180, 181, figs. 1, 2, & pl. 10: uncoloured.

Two purchased 15 Oct. 1869.

38. *Clemmys leprosa* (Schweigger), Prod. Mon. Chel. (p. 29) p. 298, 1812.

Spanish Terrapin.

Hab. Spain, Portugal and north-west Africa—Morocco, Algeria and Tunis—and reported from Senegambia, and even Dahomey.

Figs. Bell, Mon. Testud. 1836-1842, pls. 23, 24, as *Emys lutaria*. P. Z. S. 1869, pl. 50, as *Emys flavipes*: uncoloured. Brit. Mus. Cat. Chel. 1889, p. 102, fig. 30: shell, uncoloured.

One presented in 1852 was the type of *Emys fuliginosa* J. E. Gray, P. Z. S. 1860, p. 232, Rept. pl. 30. One purchased in 1861 was referred to *Clemmys laticeps* J. E. Gray, P. Z. S. 1852, p. 134. Four presented 4 Dec. 1869, by the Rev. Basil Wilberforce, were the types of *Emys flavipes* J. E. Gray, P. Z. S. 1869, p. 643, although two of these four had been referred to *Mauremys lanitaria* J. E. Gray, P. Z. S. 1869, p. 499, pl. 37.

39. *Clemmys japonica* (Temminck & Schlegel), Fauna Japon. Rept. p. 139, 1835.

Japanese Terrapin. Ishigame (in Japan).

Hab. Japan.

Figs. Temminck & Schlegel, *l. c. s.* Chel. pl. 8, figs. 1-4, & pl. 9, as *Emys palustris* var. *japon.*: uncoloured. Stejneger, Bull. U.S. Nat. Mus. 58, 1907, pp. 493, 495, figs. 382-384: shell and juv., uncoloured.

One deposited 1 Dec. 1898.

40. *Clemmys bealei* (J. E. Gray), Syn. Rept. p. 71, 1831.
Clemmys bealii G. A. Boulenger, Brit. Mus. Cat.
 Chel. p. 107, 1889.
 Beale's Terrapin. Beale's Box-Terrapin.
Hab. China and Hainan.
Fig. J. E. Gray, Brit. Mus. Cat. Sh. Rept. 1, 1855,
 pl. 8, as *Emys bealii*: uncoloured.
 First received in 1834, before 23 Sept. 1834. Presented
 by Mr. J. R. Reeves.
41. *Clemmys insculpta* (Le Conte), Ann. Lyc. Nat. Hist.
 New York, 3, p. 112, 1830.
 Sculptured Terrapin. Wood-Turtle (in America).
Hab. Eastern North America, from Ontario, Wis-
 consin and Michigan to Maine and Virginia.
Fig. Holbrook, N. Amer. Herp. 1, 1842, pl. 13.
 One presented 2 Jan. 1839, by Dr. Harlan, as *Emys*
pulchella.
42. *Clemmys muhlenbergii* (Schoepff), Hist. Testud.
 pt. 6, p. 132, 1801.
 Pastor Muhlenberg's Terrapin.
Hab. Eastern North America: Pennsylvania, New
 Jersey, New York, Rhode Island and mountains of
 North Carolina.
Fig. Holbrook, N. Amer. Herp. 1, 1842, pl. 4.
 One presented 2 Jan. 1839, by Dr. Harlan.
43. *Clemmys guttata* (Schneider), Schrift. Ges. naturf.
 Fr. Berlin, 10, p. 264, 1792. v. Stejneger &
 Barbour, Check List N Amer. Rept. ed. 2, p. 129,
 1923.
 Speckled Terrapin. Spotted Turtle (in America).
Hab. Eastern North America, from Michigan to
 Maine, and southward to northern Florida.

Figs. Holbrook, N. Amer. Herp. 1, 1842, pl. 11.
Sowerby & Lear, Tort. 1872, pl. 28 : uncoloured
One presented 2 Jan. 1839, by Dr. Harlan.

Genus **Emys** A. M. C. Duméril, Zool. Anal.
p. 76, 1806.

Species :

	Page
1. <i>orbicularis</i>	19
2. <i>blandingii</i>	19

44. *Emys orbicularis* (Linnaeus), Syst. Nat. 1, p. 198,
1758.

European Pond-Tortoise.

Hab. Europe, west Asia, north-west Africa : southern and central Europe, from Spain and Portugal to Greece, Turkey, Asia Minor, Transcaucasia, the Caspian region and eastern Persia ; north to Germany, Lithuania and Latvia ; within the last few centuries has become extinct in many districts in Europe ; also found in northern Algeria and, probably, Morocco.

Figs. Brit. Mus. Cat. Chel. 1889, p. 111, fig. 31 : shell, uncoloured. G. Mützel, in Lydekker, Royal Nat. Hist. 5, 1896, p. 69 : uncoloured. E. G. Boulenger, Rept. & Batr. 1914, p. 11, fig. C : photograph.

First received—probably before 1 July, 1831—certainly by May 1837.

45. *Emys blandingii* (Holbrook), N. Amer. Herp. ed. 1, 3, p. 35, 1838. v. Stejneger & Barbour, Check List N. Amer. Rept. ed. 2, p. 130, 1923.

Blanding's Pond-Tortoise. Blanding's Turtle (in America).

Hab. North America, from Minnesota and Iowa eastward to the New England States.

Fig. Holbrook, N. Amer. Herp. 1, 1842, pl. 3.

First received in 1856 or 1857.

Genus **Terrapene** Merrem, Tent. Syst. Amphib.
p. 27, 1820.

Species :

	Page
1. <i>carolina</i>	20
2. <i>major</i>	20
3. <i>ornata</i>	20

46. *Terrapene carolina* (Linnaeus), Syst. Nat. 1, p. 198,
1758.

Cistudo carolina.

Carolina Box-Tortoise. Box-Turtle (in America).

Hab. North America: eastern United States from
Maine to Illinois, south to Tennessee and Georgia,
with a western subspecies, *T. c. triunguis* (Agassiz)
1857, in Louisiana and Texas, ranging north to
Oklahoma and Missouri.

Figs. Holbrook, N. Amer. Herp. 1, 1842, pl. 2.
Brit. Mus. Cat. Chel. 1889, p. 116, fig. 33: shell,
uncoloured.

The typical form was alive in the Gardens before
May, 1837. *T. c. triunguis* appears to have been
first received 23 Dec. 1870, when four individuals
were purchased.

47. *Terrapene major* (L. Agassiz), Contr. Nat. Hist.
U.S. 1, p. 445, 1857.

Cistudo major.

Greater American Box-Tortoise.

Hab. North America: southern United States,
Florida, southern Georgia, etc.

Fig.

One presented 6 June, 1925, by Dr. T. Barbour,
C.M.Z.S.

48. *Terrapene ornata* (L. Agassiz), Contr. Nat. Hist.
U.S. 1, p. 445, 1857.

Cistudo ornata.

Painted Box-Tortoise.

Hab. North America : United States from Indiana and Illinois, west to Montana, south to Arizona and Texas, and on into northern Mexico.

Figs. L. Agassiz, Contr. Nat. Hist. U.S. 1857, 1, pl. 3, figs. 12, 13 : juv., uncoloured. Van Denburgh, Rept. West. North Amer. 2, 1922, pls. 123, 124 : photographs.

Two received in exchange 29 Oct. 1901.

Genus **Geoemyda** J. E. Gray, Proc. Zool. Soc. London, 1834, p. 100.

Species :

	Page
1. <i>spengleri</i>	21
2. <i>trijuga</i>	21
3. <i>punctularia</i>	22
4. <i>annulata</i>	22
5. <i>nasuta</i>	22

49. *Geoemyda spengleri* (J. F. Gmelin), Syst. Nat. 1, pt. 3, p. 1043, 1789.

Nicoria spengleri.

Spengler's Terrapin.

Hab. South-east Asia : Riu Kiu Islands, Annam, Sumatra, Borneo, etc.

Figs. Stejneger, Bull. U.S. Nat. Mus. 58, 1907, pls. 31 & 32 : uncoloured. N. de Rooij, Rept. Indo-Austr. Archip. 1, 1915, p. 299, fig. 110 : uncoloured.

One presented in 1834, before 23 Sept. 1834, by Mr. J. R. Reeves.

50. *Geoemyda trijuga* (Schweigger), Prod. Mon. Chel. (p. 41) p. 310, 1812.

Nicoria trijuga G. A. Boulenger, Brit. Mus. Cat. Chel. p. 121, 1889.

Ceylon Terrapin.

Hab. South Asia : India, Ceylon, Burma and the Chagos Archipelago.

Figs. Lesson, Centurie Zool. 1830, pl. 29, as *Emys thermalis*. Günther, Rept. Brit. Ind. 1864, pl. 2, figs. C, C', as *Emys trijuga*: uncoloured. Anderson, Anat. Zool. Res. Yunnan, 2, 1878, pls. 57, 58, as *Emys trijuga* var. *burmana*.

Two, from Ceylon, presented 11 Dec. 1872, by Capt. Wilkinson.

Two, from Diego Garcia Island, presented 2 July, 1884, by Commander the Hon. C. P. Vereker, R.N.

51. *Geoemyda punctularia* (Daudin), Hist. Nat. Rept. 2, p. 349, misprint for 249, 1802.

Nicoria punctularia G. A. Boulenger, Brit. Mus. Cat. Chel. p. 123, 1889.

Rough Terrapin.

Hab. South America: north Brazil, the Guianas and Venezuela.

Figs. Bell, Mon. Testud. 1836-1842, pls. 14 & 15, as *Emys scabra*.

Three presented 26 Oct. 1873, by Mr. F. Chittenden, C.M.Z.S.

52. *Geoemyda annulata* (J. E. Gray), Proc. Zool. Soc. London, 1860, p. 231.

Nicoria annulata.

Ringed Terrapin.

Hab. Western Tropical America, from Ecuador to Guatemala.

Fig. P.Z.S. 1860, pl. 29, as *Geoclemmys annulata*: uncoloured.

One presented 1 May, 1863, by Mr. O. Salvin, F.Z.S.

53. *Geoemyda nasuta* (G. A. Boulenger), Ann. Mag. Nat. Hist. (7) 9, p. 53, 1902.

Nicoria nasuta.

Sharp-nosed Terrapin.

Hab. South America: typically from north-west Ecuador, also found in Colombia.

Fig.

Three presented 28 April, 1914, by Dr. H. G. F. Spurrell, F.Z.S.

Genus **Notochelys** J. E. Gray, Proc. Zool. Soc. London, 1863, p. 177.

Species :

	Page
1. <i>platynota</i>	23

54. *Notochelys platynota* (J. E. Gray), Proc. Zool. Soc. London, 1834, p. 54.

Cyclemys platynota.

Flat-backed Terrapin.

Hab. South-east Asia : Mergui, Malay Peninsula, Sumatra, Java, Banka and Borneo.

Fig. J. E. Gray, Illustr. Ind. Zool. 2, 1834, pl. 57, fig. 1, as *Emys platynota*.

One presented 23 Nov. 1897, by Lieut. S. S. Flower, F.Z.S., 5th Fusiliers.

Genus **Cyclemys** Bell, Proc. Zool. Soc. London, 1834, p. 17.

Species :

	Page
1. <i>dhor</i>	23
2. <i>trifasciata</i>	23
3. <i>amboinensis</i>	24
4. <i>flavomarginata</i>	24

55. *Cyclemys dhor* (J. E. Gray), Syn. Rept. p. 20, 1831. Oldham's Terrapin.

Hab. South-east Asia : north-east India, Burma, Siam, Cambodia, Malay Peninsula, Sumatra, Java, Borneo and Mentawai Islands.

Fig. Bell, Mon. Testud. 1836-1842, pls. 37, 38, as *Cyclemys orbiculata*.

One presented 1 May, 1882, by Mr. B. H. Carew.

56. *Cyclemys trifasciata* (Bell), Zool. Journ. London, 2, p. 305, 1825.

Three-banded Terrapin.

Hab. East Asia : China and Hainan.

Figs. Bell, *l. c.* s. pl. 13 in Supplement, as *Sternothaerus trifasciatus* : uncoloured. J. E. Gray, *Illustr. Ind. Zool.* 2, 1834, pl. 61, as *Cistudo trifasciata*.

One presented in 1834, before 23. Sept. 1834, by Mr. J. R. Reeves.

57. *Cyclemys amboinensis* (Daudin), *Hist. Nat. Rept.* 2, p. 309, 1802.

Amboina Box-Tortoise.

Hab. South-east Asia : Burma, Siam, Malay Peninsula, Sumatra, Java, Borneo, Celebes, Gilolo, Amboina, etc.

Figs. J. E. Gray, *Illustr. Ind. Zool.* 1, 1832, pl. 77, figs. 3, 4, as *Cistudo amboinensis*. Duméril & Bibron, *Erp. gén.* 2, 1835, pl. 15, fig. 2, as *Cistuda amboinensis*. Sowerby & Lear, *Tort.* 1872, pl. 23, as *Terrapene amboinensis*.

One presented 16 May, 1873, by Dr. J. Anderson, F.R.S., F.Z.S.

58. *Cyclemys flavomarginata* (J. E. Gray), *Proc. Zool. Soc. London*, 1863, p. 175.

Yellow-margined Terrapin.

Hab. East Asia : Formosa and Riu Kiu Islands.

Figs. Günther, *Rept. Brit. Ind.* 1864, pl. 5, figs. A & A' : uncoloured, as *Cuora flavomarginata*.

One presented 19 Aug. 1893, by Mr. P. A. Holst.

Genus **Heosemys** Stejneger, *Proc. Biol. Soc. Washington*, 15, p. 238, 1902.

Species :

	Page
1. <i>spinosa</i>	24

59. *Heosemys spinosa* (J. E. Gray), *Syn. Rept.* p. 20, 1831.
Geoemyda spinosa.

• Spiny Terrapin.

Hab. South-east Asia : Tenasserim, Malay Peninsula, Sumatra, Java and Borneo.

Figs. J. E. Gray, *Illustr. Ind. Zool.* 2, pl. 57, fig. 2, as *Geoemyda spinosa*. Bell, *Mon. Testud.* 1836-1842, pls. 2 & 3, as *Emys spinosa*.

One presented 27 Oct. 1882, by Mr. C. G. Robson.

Genus **Kinixys** Bell, *Trans. Linn. Soc.*
London, 15, p. 398, 1827.

Species :

	Page
1. <i>erosa</i>	25
2. <i>homeana</i>	25
3. <i>belliana</i>	25

60. *Kinixys erosa* (Schweigger), *Prodr. Mon. Chel.* (p. 52)
p. 321, 1812.

Cinixys erosa.

Schweigger's Hinged-Tortoise.

Hab. Tropical Africa : Gambia to the Gaboon and Congo, eastward to the Ituri district.

Figs. Bell, *Tr. Linn. Soc.* 1827, 15, pl. 17, fig. 1, as *Kinixys castanea* : shell, uncoloured. E. G. Boulenger, *Rept. & Batr.* 1914, pl. 21 : photograph.

One purchased 27 Aug. 1870.

61. *Kinixys homeana* Bell, *Trans. Linn. Soc.* London, 15,
p. 400, 1827.

Cinixys homeana.

Home's Hinged-Tortoise.

Hab. Tropical Africa : Guinea to the Gaboon.

Figs. Bell, *Tr. Linn. Soc.* 1827, 15, pl. 17, fig. 2 : shell, uncoloured. Duméril & Bibron, *Erp. gen.* 2, 1835, pl. 14, fig. 2.

Three presented 14 Aug. 1871, by Mr. H. T. Ussher, C.M.G., C.M.Z.S., and Dr. C. B. Mosse, C.M.Z.S.

62. *Kinixys belliana* J. E. Gray, *Syn. Rept.* p. 69, 1831

Cinixys belliana.

Alternative name *Cinothorax belliana*.

Bell's Hinged-Tortoise.

Hab. Tropical Africa : from the Gambia to Abyssinia, and southward to Angola and Natal.

Figs. J. E. Gray, Brit. Mus. Cat. Sh. Rept. 1855, 1, pl. 2 : uncoloured. K. P. Schmidt, Bull. Amer. Mus. Nat. Hist. 39, 1919, pl. 11, fig. 2 : photograph.

One presented 17 May, 1871, by Mr. J. J. Monteiro, C.M.Z.S.

Genus **Pyxis** Bell, Trans. Linn. Soc. London, 15, p. 395, 1827.

Species :

	Page
1. <i>arachnoides</i>	26

63. *Pyxis arachnoides* Bell, Trans. Linn. Soc. London, 15, p. 395, 1827.

Pyxis Tortoise.

Hab. Madagascar.

Figs. Bell, *l. s. c.* pl. 16 : shell, uncoloured. Duméril & Bibron, Erp. gén. 2, 1835, pl. 13, fig. 2.

One presented 24 Dec. 1888, by Col. J. H. Bowker, F.Z.S.

Genus **Homopus** Duméril & Bibron, Erp. gén. 2, p. 145, 1835.

Species :

	Page
1. <i>areolatus</i>	26
2. <i>femoralis</i>	27
1. <i>signatus</i>	27

64. *Homopus areolatus* (Thunberg), D.D. Mus. Ac. Upsal. p. 29, 1787, & K. Vetensk. Ac. Nya Handl. 8, p. 180, 1787. *v.* Sherborn, Index Anim. 1, p. 71, 1902.

Thunberg's Tortoise.

Hab. South Africa : Cape Province.

Figs. Duméril & Bibron, Erp. gén. 2, 1835, pl. 14, fig. 1. Bell, Mon. Testud. 1836-1842, pl. 16, as *Testudo areolata*. Brit. Mus. Cat. Chel. 1889, p. 146, fig. 42 : shell, uncoloured.

Four presented 25 Jan. 1872, by Dr. George Grey, C.M.Z.S.

65. *Homopus femoralis* G. A. Boulenger, Proc. Zool. Soc. London, 1888, p. 251.
 Boulenger's Tortoise.
Hab. South Africa.
Fig. P. Z. S. 1888, pl. 14.
 Three females presented 27 Feb. 1888, by the Rev. G. H. R. Fisk, C.M.Z.S., were the types of the species.
66. *Homopus signatus* (Walbaum), Chelongr. pp. 71 & 120, 1782. v. G. A. Boulenger, Brit. Mus. Cat. Chel. p. 148, 1889. N.B.—There is doubt as to the acceptance of Walbaum's specific name, cf. Sherborn, Index Anim. 1, p. 902, 1902.
 Walbaum's Tortoise.
Hab. South Africa : Namaqualand.
Fig. Bell, Mon. Testud. 1836-1842, pl. 22, as *Testudo signata* : shell.
 Two presented 5 Feb. 1889, by the Rev. G. H. R. Fisk, C.M.Z.S.

Genus **Testudo** Linnaeus, Syst. Nat. 1,
 p. 197, 1758.

Species :

	Page		Page
1. <i>graeca</i>	28	19. <i>radiata</i>	33
2. <i>hermanni</i>	28	20. <i>gigantea</i>	33
3. <i>margivata</i>	28	21. <i>daudinii</i>	34
4. <i>leithii</i>	29	22. <i>gouffrii</i>	34
5. <i>horsfieldii</i>	29	23. <i>sumeirci</i>	34
6. <i>elongata</i>	29	24. <i>abingdonii</i>	34
7. <i>emys</i>	29	25. <i>ephippium</i>	35
8. <i>platynota</i>	30	26. <i>becki</i>	35
9. <i>elegans</i>	30	27. <i>galapagoensis</i>	35
10. <i>angulata</i>	30	28. <i>darwini</i>	36
11. <i>geometrica</i>	30	29. <i>microphytes</i>	36
12. <i>trimeni</i>	30	30. <i>güntheri</i>	36
13. <i>tentoria</i>	31	31. <i>vicina</i>	36
14. <i>fiskii</i>	31	32. <i>nigrita</i>	37
15. <i>oculifera</i>	31	33. <i>denticulata</i>	37
16. <i>tornieri</i>	32	34. <i>chilensis</i>	37
17. <i>sulcata</i>	32	35. <i>polyphemus</i>	38
18. <i>pardalis</i>	32	36. <i>berlandieri</i>	38

67. *Testudo graeca* Linnaeus, Syst. Nat. 1, p. 198, 1758.

Testudo iberica. Testudo mauritanica.

Greek Tortoise. Spur-thighed Mediterranean Land-Tortoise.

Hab. North Africa, south Europe, west Asia : Morocco, Algeria, Tunisia, Andalusia, Rumania, Macedonia, Gallipoli Peninsula, Asia Minor, Syria, Palestine, Transcaucasia and Persia.

Figs. Edwards, Nat. Hist. Birds, pt. 4, 1743-1748, pl. 204. Sowerby & Lear, Tort. 1872, pl. 16. Brit. Mus. Cat. Chel. 1889, p. 151, fig. 44, *T. iberica*: shell, uncoloured.

First received before 20 Oct. 1830.

One hatched in the Gardens 23 May, 1927, lived a few days only.

68. *Testudo hermanni* J. F. Gmelin, Syst. Nat. 1, p. 1041, 1789, after Schneider, Naturg. Schildk. p. 348, 1783.

Testudo graeca G. A. Boulenger, Brit. Mus. Cat. Chel. 1889, p. 177. & P. L. Sclater, List, ed. 9, p. 564, 1896.

Hermann's Tortoise. Spur-tailed Mediterranean Land-Tortoise.

Hab. South Europe : colonies in southern France, Italy, Dalmatia, Herzegovina, Greece, Albania, Corfu, Corsica, Sardinia and Sicily.

Figs. Schoepff, Hist. Testud. 1792, pls. 8 & 9, as *Testudo graeca* A & B, pl. 8 is of Schneider's type-specimen of *T. hermanni*.

It cannot be ascertained when this species was first received ; there was one in the Gardens in 1868, but probably many others at earlier dates.

69. *Testudo marginata* Schoepff, Hist. Testud. p. 52, 1792, 1793.

Margined Tortoise. Tafrail Tortoise.

Hab. South-east Europe : Greece.

Figs. Schoepff, *l. c. s.* pl. 11, shell, & pl. 12, upper figure: shell, uncoloured. Sowerby & Lear, Tort. 1872, pl. 15.

- First received before 20 Oct. 1830.

70. *Testudo leithii* Günther, Proc. Zool. Soc. London, 1869, p. 502.
Leith's Tortoise.
Hab. North-west Egypt and northern Sinai, in suitable localities near the coast.
Figs. P. Z. S. 1869, p. 503, figs. 1-4: shell and foot, uncoloured. Anderson, Zool. Egypt, Rept. 1898, pl. 2.
Six presented 26 May, 1892, by Dr. J. Anderson, F.R.S., F.Z.S.
71. *Testudo horsfieldii* J. E. Gray, Brit. Mus. Cat. Tort. p. 7, 1844.
Horsfield's Tortoise.
Hab. West central Asia, from the Kirghiz Steppes and the Aralo-Caspian district to Turkestan and Afghanistan, and reported from European Russia east of the Volga.
Figs. J. E. Gray, Brit. Mus. Cat. Sh. Rept. 1, 1855, pl. 1: uncoloured.
Two presented 13 Nov. 1878, by Dr. A. Strauch, C.M.Z.S.
72. *Testudo elongata* Blyth, J. Asiat. Soc. Bengal, 22, p. 639, 1853.
Burmese Tortoise. Gold Tortoise.
Hab. South-east Asia: eastern India, Burma, Siam, Cambodia, Cochinchina and the Malay Peninsula.
Fig. P. Z. S. 1856, Rept. pls. 9 & 9 a: shell, uncoloured.
Four presented 16 May, 1873, by Dr. J. Anderson, F.R.S., F.Z.S.
73. *Testudo emys* Schlegel & S. Müller, in Temminck, Verh. Nat. Ges. Ned. overz. bez. Rept. p. 34, 1844.
Testudo phayrei Blyth, J. Asiat. Soc. Bengal, 22, p. 639, 1853.
Phayre's Tortoise. Great Malay Land-Tortoise.
Hab. South-east Asia: Burma, Siam, Malay Peninsula, Sumatra and Borneo.
Figs. Schlegel, *l. c. s.* pl. 4. P. Z. S. 1860, Rept. pl. 31, as *Manouria fusca* J. E. Gray 1852: uncoloured. P. Z. S. 1871, p. 427, as *Testudo phayrei*: uncoloured. N. de Rooij, Rept. Indo-Austr. Archip. 1, 1915, pp. 286, 306, figs. 104 A & 115: uncoloured.

One, from Borneo, presented 5 May, 1897 by H.H. the Tuan Muda of Sarawak.

74. *Testudo platynota* Blyth, J. Asiat. Soc. Bengal, 32, p. 83, 1863.

Blyth's Starred-Tortoise.

Hab. South-east Asia : Burma.

Fig. P. Z. S. 1870, pl. 33 : shell, uncoloured.

Seven presented 20 Oct. 1896, by Mr. W. G. Bligh.

75. *Testudo elegans* Schoepff, Hist. Testud. p. 111, 1792, 1795.

Starred Tortoise.

Hab. India and Ceylon.

Figs. Bell, Mon. Testud. 1836-1842, pls. 11 & 12, as *Testudo actinodes*. G. A. Boulenger, Faun. Brit. Ind. Rept. 1890, p. 21, fig. 6 : uncoloured.

Two presented 2 Nov. 1872, by Capt. W. V. Legge, C.M.Z.S., R.A.

76. *Testudo angulata* Duméril, in Schweigger, Koenigsberger Archiv. 1, pp. 321 & 360, 1812. *v.* Slierborn, Index Anim. 2, pt. 2, p. 318, 1923.

Bowsprit Tortoise. Angulated Tortoise.

Hab. South Africa.

Fig. Bell, Mon. Testud. 1836-1842, pl. 10.

First received before 20 Oct. 1830.

77. *Testudo geometrica* Linnaeus, Syst. Nat. 1, p. 199, 1758.

Geometric Tortoise.

Hab. South Africa : Cape Peninsula.

Fig. Bell, Mon. Testud. 1836-1842, pl. 27.

One presented 9 Aug. 1880, by the Rev. G. H. R. Fisk, C.M.Z.S.

78. *Testudo trimeni* G. A. Boulenger, Proc. Zool. Soc. London, 1886, p. 541.

• Trimen's Tortoise.

Hab. South Africa, typically from near the mouth of the Orange River: Great Namaqualand and the southern Kalahari, southward into the Cape Province.

Fig. P. Z. S. 1886, pl. 57.

Two presented 25 July, 1884, by the Rev. G. H. R. Fisk, C.M.Z.S., were probably the types of the species.

79. *Testudo tentoria* Bell, Zool. Journ. London, 3, p. 420, 1828.

Tent Tortoise.

Hab. South Africa: Cape Province.

Fig. Bell, Mon. Testud. 1836-1842, pl. 32: shell.

One presented 25 March, 1886, by the Rev. G. H. R. Fisk, C.M.Z.S.

80. *Testudo fiskii* G. A. Boulenger, Proc. Zool. Soc. London, 1886, p. 542.

Fisk's Tortoise.

Hab. South Africa, typically from "De Aar, not far from Hopetown": interior of Cape Province and the south of the Orange Free State.

Figs. P. Z. S. 1886, pl. 58. Siebenrock, SitzBer. Ak. Wiss. Wien, Math.-nat. Kl. 113, abt. 1, 1904, pl. 5, fig. 6: uncoloured.

A male presented 23 June, 1886, by the Rev. G. H. R. Fisk, C.M.Z.S., was the type of the species.

81. *Testudo oculifera* Kuhl, Bietr. Zool. p. 77, 1820.

Kuhl's Tortoise.

Hab. South Africa: Cape Province, north to Damaraland, the Kalahari and the Transvaal.

Figs. A. Smith, Illustr. Zool. S. Africa, Rept. 1839, pl. 6, as *Testudo semiserrata* A. Smith. Siebenrock, SitzBer. Ak. Wiss. Wien, Math.-nat. Kl. 119, abt. 1, 1910, p. 706: shell, uncoloured.

Three presented 25 Jan. 1872, by Dr. George Grey, C.M.Z.S.

82. *Testudo tornieri* Siebenrock, SitzBer. Ak. Wiss. Wien, Math.-nat. Kl. **112**, abt. 1, p. 443, 1903.

Testudo loveridgei G. A. Boulenger, C. R. Ac. Sci. Paris, **170**, pp. 263-265, 1920. v. Procter, Proc. Zool. Soc. London, 1922, pp. 483-526.

Soft-shelled Land-Tortoise.

Hab. East Africa: Tanganyika Territory.

Figs. Siebenrock, *l. c. s.* pl.: uncoloured. P. Z. S. 1922, Procter, pl. 1, & pp. 490-494, text-figs. 2-6: head and shell uncoloured.

A pair presented 26 Jan. 1920, by Mr. A. Loveridge.

83. *Testudo sulcata* J. F. Miller, Icon. anim. et plant. London, 1779, pl. 26, & Siebenrock, Verh. zool.-bot. Ges. Wien, 1912, p. 218.

Testudo calcarata Schneider, Sammlung verm. Abhandlungen zur Aufklärung der Zool. p. 317, 1784, & G. A. Boulenger, Brit. Mus. Cat. Chel. p. 159, 1889.

Spurred Tortoise. Grooved Tortoise. Great African Tortoise.

Hab. Tropical Africa: from Senegambia and Nigeria to Upper Nubia and Abyssinia.

Figs. Schneider, *l. c. s.*, two good figures, as *T. calcarata*. Sowerby & Lear, Tort. 1872, pls. 17 & 18, as *T. sulcata*: uncoloured.

One purchased 6 July, 1862.

One hatched in the Gardens 15 July, 1922.

84. *Testudo pardalis* Bell, Zool. Journ. London, **3**, p. 420, 1828.

Leopard Tortoise.

Hab. Tropical and southern Africa: from the Cape, Namaqualand and Angola, through Central and East Africa to the Mongala province of the Sudan and Abyssinia.

Figs. Bell, Mon. Testud. 1836-1842, pls. 5 & 6. Siebenrock, SitzBer. Ak. Wiss. Wien, Math.-nat. Kl. **115**, abt. 1, 1906, p. 824, fig. 3: shell; uncoloured.

First received between 30 April, 1838, and 29 April, 1839.

85. *Testudo radiata* Shaw, Gen. Zool. 3, p. 22, 1802.
 Radiated Tortoise.
Hab. Madagascar: southern districts.
Figs. Bell, Mon. Testud. 1836-1842, pls. 30 & 31.
 Four presented 20 Sept. 1845, by Mr. P. L. Hinds.
86. *Testudo gigantea* Schweigger, Prodr. Mon. Chel.
 (p. 58) p. 327, 1812.
Testudo elephantina Duméril & Bibron, Erp. gén.
 2, p. 110, 1845. v. Rothschild, Novit. Zool.
 Tring, 22, pp. 430 & 432, 1915.
 Giant Tortoise. Elephantine Tortoise.
Hab. Indian Ocean Islands: Aldabra, introduced and
 established in the Seychelles.
Figs. Rothschild, l. c. s. pls. 49-52, 55, 56, 61-64:
 photographs.
 Large Tortoises from the "Islands of the East Indian
 Archipelago" were received alive in the Gardens
 before 20 Oct. 1830. An "immense Tortoise,"
 weight 130 lbs., was presented 18 June, 1828, by
 Mr. Ballantine: it died 2 Dec. 1828. A "large
 Tortoise" was presented 4 Aug. 1828, by Mr. R.
 Barclay: it died 25 Nov. 1828. We do not know
 from where these two came, or to which species they
 belonged.
 The first definite record of this species in the Gardens
 appears to be that of an enormous animal, said to
 have been 179 years old, which was presented
 25 July, 1850, by H.M. Queen Victoria: it died
 2 March, 1851.
 Although *Testudo gigantea* and *T. elephantina* were
 probably two separate species, those individuals
 brought to the Gardens have been usually from
 semi-captivity; possibly in some cases they are
 hybrids between the two species; it being impossible
 to divide them now, they are united here under the
 oldest name—*gigantea*.
 A female Aldabra Tortoise, purchased 6 July, 1875,
 which lived in the Gardens till 20 Jan. 1888, was
 identified as *Testudo hololissa* Günther 1877. Another
 female Tortoise, without locality, which was in the
 Gardens was named *Testudo ponderosa* Günther 1877.
 Both *T. hololissa* and *T. ponderosa* may be considered
 as synonyms, for menagerie purposes, of *T. gigantea*.

87. *Testudo daudinii* Duméril & Bibron, *Erp. gén.* 2, p. 123, 1835. v. Rothschild, *Novit. Zool. Tring.* 22, p. 433, 1915.
 Daudin's Tortoise.
Hab. Indian Ocean Islands: Aldabra.
Figs. Rothschild, *o. c. s.* 4, 1897, pl. 13; 22, 1915, pls. 41-48: photographs.
 Four deposited 26 May, 1896, were referred to this species. In 1897 the Hon. Walter Rothschild purchased from Mr. L. Antelme an enormous male *T. daudinii*; it had lived in the Chagos Islands for about 100 years or more; it died in the Gardens in 1899. It weighed 560 lbs.
88. *Testudo goufféi* Rothschild, *Novit. Zool. Tring.* 13, pp. 753, 754, 1906. v. Rothschild, *o. c. s.* 22, p. 434, 1915.
 Gouffé's Tortoise.
Hab. Indian Ocean islands: probably the Seychelles, now extinct.
Figs. Rothschild, *Novit. Zool. Tring.* 22, 1915, pls. 65 & 66: photographs, without head.
 The type specimen, the only one known, was deposited by the Hon. Walter Rothschild.
89. *Testudo sumeirei* Sauzier, *La Nature.* 39, pp. 395-398, 1892. v. Rothschild, *Novit. Zool. Tring.* 22, p. 435, 1915.
 Marion's Tortoise.
Hab. Indian Ocean islands: probably the Seychelles, now extinct.
Figs. Rothschild, *l. c. s.* pls. 39 & 40: photographs, without head.
 A large male, weight 285 lbs., presented shortly before 9 July, 1833, by Lieut.-General Sir Charles Colville, was one of the five Tortoises brought from the Seychelles to Mauritius in 1766 by the Chevalier Marion du Fresne.
90. *Testudo abingdonii* Günther, *Proc. Zool. Soc. London.* 1877, p. 66. v. Rothschild, *Novit. Zool. Tring.* 22, p. 403, 1915.
 Abingdon Saddleback Tortoise.

Hab. Galapagos : Abingdon Island.

Figs. P. Z. S. 1914, p. 221, fig. 1 : photograph. Rothschild, *l. c. s.* pls. 21 & 22 : photographs.

A male was purchased 12 Jan. 1914. Giant Tortoises from the Galapagos Islands were frequently exhibited in the Gardens in the first decade of the Society, but we do not know to what species they belonged. The first received was one presented 22 Oct. 1828, by Mr. Struge, of 8 Newington Butts. The dimensions of one presented 2 Oct. 1834, by Capt. the Hon. Byron Cary, R.N., are recorded, *v.* P. Z. S. 1834, p. 113.

91. *Testudo ephippium* Günther, Phil. Trans. Roy. Soc. London. 165, p. 271, 1875. *v.* Rothschild, Novit. Zool. Tring, 22, p. 404, 1915.

Duncan Saddleback Tortoise.

Hab. Galapagos : Duncan Island.

Figs. Rothschild, *l. c. s.*, references to Günther's plates. Nineteen deposited 20 July, 1898.

92. *Testudo becki* Rothschild, Novit. Zool. Tring, 8, p. 372, 1901. *v.* Rothschild, *o. c. s.* 22, p. 404, 1915.
Beck's Saddleback Tortoise.

Hab. Galapagos : North Albemarle Island.

Fig.

A female deposited in 1902 by the Hon. Walter Rothschild.

93. *Testudo galapagoensis* Baur, Amer. Nat. 23, p. 1044, 1889 (1890). *v.* Rothschild, Novit. Zool. Tring, 22, p. 404, 1915.

Baur's Saddleback Tortoise.

Hab. Galapagos : Charles Island.

Figs. Rothschild, *l. c. s.* pls. 23-28 : photographs.

One deposited 29 July, 1915, by the Hon. Walter Rothschild, was believed to be a hundred years old; it died 6 March, 1917.

94. *Testudo darwini* Van Donburgh, Proc. Cal. Ac. Sci. (4) 1, p. 4, 1907. v. Rothschild, Novit. Zool. Tring, 22, p. 405, 1915.
 Darwin's Tortoise.
Hab. Galapagos: James Island.
Fig.
 A large male deposited by the Hon. Walter Rothschild in 1896: it died in July 1898.
95. *Testudo microphyes* Günther, Phil. Trans. Roy. Soc. London, 165, p. 275, 1875. v. Rothschild, Novit. Zool. Tring, 22, p. 406, 1915.
 Thin-shelled Tortoise.
Hab. Galapagos: Central Albemarle Island.
Figs. Rothschild, *l. c. s.*, references to Günther's plates.
 Two deposited 14 Aug. 1900, were provisionally referred to this species.
 A large Tortoise, brought from South America by Mr. Clarence Elliott, presented 17 April, 1928, by Mr. J. Spedan Lewis, F.Z.S., has been definitely referred to *Testudo microphyes*.
96. *Testudo güntheri* Baur, Amer. Nat. 23, p. 1044, 1889 (1890). v. Rothschild, Novit. Zool. Tring, 22, p. 406, 1915.
 Günther's Tortoise.
Hab. Galapagos: South East Albemarle Island.
Fig.
 One deposited in 1902 by the Hon. Walter Rothschild.
97. *Testudo vicina* Günther, Phil. Trans. Roy. Soc. London, 165, p. 277, 1875. v. Rothschild, Novit. Zool. Tring, 22, p. 406, 1915.
 South Albemarle Tortoise.
Hab. Galapagos: South Albemarle Island.
Figs. Rothschild, *l. c. s.*, references to Günther's plates.
 One deposited 27 March, 1898.

98. *Testudo nigrita* Duméril & Bibron, Erp. gén. 2, p. 80, 1835.

Testudo porteri Rothschild, Nov. Zool. 10, p. 119, 1903. v. Rothschild, Novit. Zool. Tring, 22, p. 407, 1915.

Porter's Blackish Tortoise.

Hab. Galapagos: Indefatigable Island.

Fig. P.Z.S. 1870, pl. 41, as *T. elephantopus*: uncoloured.

One purchased 6 July, 1870, sp.? as *T. nigra*.

One deposited (as *nigrita*) 4 Dec. 1899.

Two deposited (as *porteri*) 11 Oct. 1902.

99. *Testudo denticulata* Linnaeus, Syst. Nat. 1, p. 352, 1766. v. Andersson, Bihang K. Svenska Vet.-Ak. Handl. 26, 4, 1, p. 25, 1900.

Testudo tabulata Walbaum, Chelonogr. p. 122, 1782. v. G. A. Boulenger, Brit. Mus. Cat. Chel. p. 157, 1889.

Jaboty Tortoise. Brazilian Tortoise. Hercules Tortoise.

Hab. Tropical America: the Guianas, Brazil, north-eastern Peru, Venezuela, Colombia and Panama, and the Windward Islands.

Figs. Bell, Mon. Testud. 1836-1842, pls. 1, 2, 7, 8 & 9, as *T. tabulata* and *T. carbonaria*.

First received early in 1834, when one was presented by Sir Robert Kerr Porter.

100. *Testudo chilensis* J. E. Gray, Ann. Mag. Nat. Hist. (4), 6, p. 190, 1870.

Testudo argentina.

Argentine Tortoise.

Hab. South America: Argentina, Uruguay and northern Patagonia.

Fig. P.Z.S. 1870, pl. 40: uncoloured.

Two purchased 6 July, 1870, were the types of the species.

101. *Testudo polyphemus* Daudin, Hist. Nat. Rept. 2, p. 256, 1802.
 Alternative name *Gopherus polyphemus*.
 Gopher Tortoise. Florida Tortoise. Gopher-Turtle (in America).
Hab. North America: in suitable localities from South Carolina, Georgia and Florida, westward to Arkansas and Texas.
Fig. Holbrook. N. Amer. Herp. 1, 1842, pl. 1.
 First received in 1856 or 1857.
102. *Testudo berlandieri* (L. Agassiz), Contr. Nat. Hist. U.S. 1, p. 447, 1857.
 Alternative name *Gopherus berlandieri*.
 Berlandier's Tortoise.
Hab. North America: south-western Texas and north-eastern Mexico.
Figs. L. Agassiz, l. c. s. 2, 1857, pl. 3, figs. 17-19, as *Xerobates berlandieri*, juv.: uncoloured.
 Six presented 18 Nov. 1925, by the National Zool. Park, Washington, D.C.

Family CHELONIIDAE.

Genera:

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1. <i>Chelonia</i>	38
2. <i>Eretmochelys</i>	39
3. <i>Caretta</i>	39

Genus **Chelonia** Brongniart, Bull. Soc. philom. Paris (No. 36), p. 89, 1800.

Species:

	Page
1. <i>mydas</i>	38

103. *Chelonia mydas* (Linnaeus), Syst. Nat. 1, p. 197, 1758.
Chelone mydas.
 Green Turtle.

Hab. Tropical and subtropical seas, especially the Atlantic Ocean; occurs in the Mediterranean. Allied forms, *C. japonica* (Thunberg) 1787 and *C. agassizii* Bocourt 1868, inhabit the Pacific.

Figs. Holbrook, N. Amer. Herp. 2, 1842, pl. 3. Sowerby & Lear, Tort. 1872, pls. 59 & 60. Brit. Mus. Cat. Chel. 1889, p. 19, fig. 2: shell uncoloured.

One presented 2 Sept. 1864, by Mr. C. Butler.

Genus **Eretmochelys** Fitzinger, Syst. Rept. p. 30, 1843.

Species:

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1. <i>imbricata</i>	39

104. *Eretmochelys imbricata* (Linnaeus), Syst. Nat. 1, p. 350, 1766.

Chelone imbricata.

Hawk-billed Turtle.

Hab. Tropical and subtropical seas, especially the Atlantic Ocean. The closely allied *E. squamosa* (Girard) 1858 inhabits the Pacific.

Figs. Holbrook, N. Amer. Herp. 2, 1842, pl. 5. Sowerby & Lear, Tort. 1872, pls. 57 & 58, as *Chelonia imbricata*. Stejneger, Bull. U.S. Nat. Mus. 58, 1907, pp. 512, 513, figs. 396-400: uncoloured.

One received 13 Dec. 1852; possibly others at earlier dates.

Genus **Caretta** Rafinesque, Specchio Sci. Palermo, 2, no. 9, p. 66, 1814.

Species:

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1. <i>caretta</i>	39
2. <i>kempii</i>	40

105. *Caretta caretta* (Linnaeus), Syst. Nat. 1, p. 197, 1758.

Thalassochelys caretta.

Loggerhead Turtle.

Hab. Tropical and subtropical seas, especially the Atlantic Ocean; occurs in the Mediterranean and rarely on the coasts of England and Scotland. Represented in the Pacific by *C. olivacea* (Eschscholtz) 1829.

Figs. Holbrook, N. Amer. Herp. 2, 1842, pl. 4.
Stejneger, Bull. U.S. Nat. Mus. 58, 1907, p. 508, figs. 389-392: uncoloured.

First received between 30 April, 1838, and 29 April, 1839.

106. *Caretta kempii* (Garman), Bull. Mus. Comp. Zoöl. 6, p. 123, 1880. v. Stejneger & Barbour, Check List N. Amer. Rept. ed. 2, p. 139, 1923.

Thalassochelys kempii.

Kemp's Loggerhead Turtle. Bastard-Turtle (in America).

Hab. South-east North American coasts: from Gulf of Mexico to Cape Hatteras, and accidentally to as far north as Massachusetts.

Fig. Hay, Proc. U.S. Nat. Mus. 34, 1908, pl. 6, as *Colpochelys kempii*: shell, uncoloured.

Two presented 8 Nov. 1924, by the New York Z. S.

Family PELOMEDUSIDAE.

Genera:

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1. <i>Pelusios</i>	40
2. <i>Pelomedusa</i>	43
3. <i>Podocnemis</i>	43

Genus **Pelusios** Wagler, Syst. Amphib.
p. 137, 1830.

Species :

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1. <i>niger</i>	41	5. <i>oxyrhinus</i>	42
2. <i>sinuatus</i>	41	6. <i>adansonii</i>	42
3. <i>nigricans</i>	41	7. <i>gabonensis</i>	42
4. <i>derbianus</i>	41		

107. *Pelusios niger* (Duméril & Bibron), Erp. gén. 2, p. 397, 1835.
Sternothaerus niger.
 Black Terrapin.
Hab. West Africa: Liberia to the Congo.
Fig. Duméril & Bibron *l. c. s.* pl. 20, fig. 1, as *Sternotherus castaneus*.
 One purchased 12 June, 1876.
108. *Pelusios sinuatus* (A. Smith), Illustr. Zool. S. Afr. Rept. text to pl. 1, 1838.
Sternothaerus sinuatus.
 Natal Terrapin.
Hab. South and East Africa: Natal to Somaliland, and the Seychelles.
Fig. A. Smith, *l. c. s.* pl. 1, as *Sternotherus sinuatus*.
 One presented 27 Feb. 1888, by Col. J. F. Bowker, F. Z. S.
109. *Pelusios nigricans* (Donndorff), Zool. Beytr. Leipzig, 3, p. 34, 1798.
Sternothaerus nigricans.
 Blackish Terrapin.
Hab. Madagascar and East Africa: Portuguese East Africa and north-west Rhodesia. This species has also been recorded from Diego Garcia by G. A. Boulenger, Trans. Linn. Soc. London, 12, pt. 4, p. 295, 1909, and from Faradje in the Upper Uele district of the Congo by K. P. Schmidt, Bull. Amer. Mus. Nat. Hist. 39, 1919, p. 411.
Figs. Schmidt, *l. c. s.* pl. 11, fig. 3, & p. 411, figs. 1-10060: photograph, and underneath of shell, uncoloured.
 One presented 23 March, 1867, by Mr. S. Ward.
110. *Pelusios derbianus* (J. E. Gray), Brit. Mus. Cat. Tort. p. 37, 1844.
Sternothaerus derbianus.
 Lord Derby's Terrapin.

Hab. Tropical Africa: from Gambia to Angola and Wadelai, on the Upper Nile.

Figs. J. E. Gray, Brit. Mus. Cat. Sh. Rept. 1, 1855, pl. 22: uncoloured. Brit. Mus. Cat. Chel. 1889, p. 193, fig. 47: shell, uncoloured.

One purchased 30 Aug. 1870.

This species is named after the Earl of Derby, who presented the type specimen to the British Museum.

111. *Pelusios oxyrhinus* (G. A. Boulenger), Proc. Zool. Soc. London, 1897, p. 919.

Sternothaerus oxyrhinus.

Boulenger's Terrapin.

Hab. Africa: type locality unknown.

Fig. P. Z. S. 1897, pl. 53: uncoloured.

One, the type of the species, deposited 30 Sept. 1897. Siebenrock, in his Synopsis of recent Tortoises, Zool. Jahrbüch. Suppl. 10, Heft 3, 1909, p. 556, places *oxyrhinus* as a synonym of *Sternothaerus niger*.

112. *Pelusios adansonii* (Schweigger), Prodr. Mon. Chel. (p. 39) p. 308, 1812.

Sternothaerus adansonii.

Adanson's Terrapin.

Hab. Tropical Africa: Senegambia to the Upper Nile.

Fig. P. Z. S. 1864, pl. 13: uncoloured.

Two deposited 30 Sept. 1897.

113. *Pelusios gabonensis* (A. Duméril), Rev. Mag. Zool. Paris (2), 8, p. 373, 1856.

Sternothaerus gabonensis.

Gaboon Terrapin.

Hab. West Africa: Liberia to Angola, eastward to the Ituri district.

Figs. A. Duméril, Arch. Mus. Hist. Nat. Paris, 10, 1860, pl. 13, figs. 2, 2A: uncoloured. K. P. Schmidt, Bull. Amer. Mus. Nat. Hist. 39, 1919, p. 411, figs. 1-10068: underneath of shell, uncoloured.

Four deposited 2 Sept. 1905.

Genus **Pelomedusa** Wagler, Syst. Amphib.
p. 136, 1830.

Species :

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1. <i>galeata</i>	43

114. *Pelomedusa galeata* (Schoepff), Hist. Testud. p. 12,
1792.

Helmeted Terrapin.

Hab. Tropical and south Africa: in more or less isolated localities from Senegambia to Nubia, and southwards to the Cape Province.

Figs. Rüppell, N. Wirbelth. Faun. Abyss. 1835, pl. 1, as *Pentonyx gahajie*. Sowerby & Lear, Tort. 1872, pls. 49 & 50, as *Hydraspis galeata*. Brit. Mus. Cat. Chel. 1889, p. 199, fig 49: shell, uncoloured.

One presented 2 June, 1868, by the Hon. Mr. Melville.

Genus **Podocnemis** Wagler, Syst. Amphib.
p. 135, 1830.

Species :

	Page
1. <i>dumeriliana</i>	43
2. <i>unifilis</i>	44
3. <i>expansa</i>	44

115. *Podocnemis dumeriliana* (Schweigger), Prodr. Mon.
Chel. (p. 31) p. 300, 1812.

Alternative name *Podocnemis cayennensis* (Schweigger),
l. c. s. (p. 29) p. 298.

Duméril's Greaved-Tortoise.

Hab. South America: the Guianas and water-system of the Amazon.

Figs. Spix, Spec. Nov. Testud. Brasil. 1824, pl. 7, as *Emys erythrocephala*. J. E. Gray, Brit. Mus. Cat. Sh. Rept. 1, 1855, pl. 28: shell, uncoloured.

Three presented 23 July, 1868, by the Hon. Arthur Gordon, C.M.Z.S.

116. *Podocnemis unifilis* Troschel, in Schomburgk, Reise Brit. Guian. 3, p. 647, 1848.
 One-bearded Greaved-Tortoise.
Hab. South America: the Guianas and water-system of the Amazon.
Figs. Siebenrock, SitzBer. Ak. Wiss. Wien, 111, 1902, p. 164, pl., figs. 3 & 8: head, uncoloured. Siebenrock, Denkschr. Ak. Wiss. Wien, 76, 1904 (& 1926), p. 12, pls. 1 & 2: uncoloured.
 One purchased 16 Dec. 1870, from an officer of the S.S. 'Augustine.'
117. *Podocnemis expansa* (Schweigger), Prodr. Mon. Chel. (p. 30) p. 299, 1812.
 Great Greaved-Tortoise.
Hab. South America: water-system of the Amazon.
Figs. Spix, Spec. Nov Testud. Brasil. 1824, pls. 1 & 2, figs. 1-3, as *Emys amazonica*. Wagler, Syst. Amphib. Atlas. 1830, pl. 4, figs. 1-2: uncoloured. J. E. Gray, Cat. Sh. Rept. 1, 1855, pl. 27: shell, uncoloured.
 One purchased 16 Dec. 1870, from an officer of the S.S. 'Augustine.'

Family CHELYDIDAE.

Genera:

	Page
1. <i>Chelus</i>	44
2. <i>Hydromedusa</i>	45
3. <i>Chelodina</i>	46
4. <i>Hydraspis</i>	47
5. <i>Platemys</i>	48
6. <i>Emydura</i>	49

Genus **Chelus** A. M. C. Duméril, Zool. Anal.
 p. 76, 1806.

Species:

	Page
1. <i>fimbriata</i>	45

118. *Chelus fimbriata* (Schneider), Naturg. Schildkr. p. 349, 1783.

Chelys fimbriata G. A. Boulenger, Brit. Mus. Cat. Chel. p. 209, 1889.

Matamata Terrapin.

Hab. South America: the Guianas and northern Brazil.

Figs. T. Z. S. 11, 1882, pl. 42: uncoloured. Brit. Mus. Cat. Chel. 1889, p. 209, fig. 53: shell, uncoloured. E. G. Boulenger, Rept. & Batr. 1914, p. 37, fig. b: photograph.

Two received in exchange 21 March, 1878.

Genus **Hydromedusa** Wagler, Syst. Amphib. p. 135, 1830.

Species:

	Page
1. <i>maximiliani</i>	45
2. <i>tectifera</i>	45

119. *Hydromedusa maximiliani* (Mikan), Delect. Flor. et Faun. Bras. pl.—, 1820. v. G. A. Boulenger, Brit. Mus. Cat. Chel. p. 210, 1889.

Maximilian's Terrapin.

Hab. South America: Brazil.

Fig. J. E. Gray, Brit. Mus. Cat. Sh. Rept. 1, 1855, pl. 26, as *H. depressa*: uncoloured.

Four presented 19 Sept. 1871, by Dr. Palin, C.M.Z.S.

120. *Hydromedusa tectifera* Cope, Proc. Am. Philos. Soc. 11, p. 147, 1869. v. G. A. Boulenger, Brit. Mus. Cat. Chel. p. 212, 1889.

Cope's Terrapin.

Hab. South America: southern Brazil to Buenos Ayres.

Fig. Brit. Mus. Cat. Chel. 1889, p. 211, fig. 54: shell, uncoloured.

One purchased 30 Dec. 1895.

Genus **Chelodina** Fitzinger, Neue Class.
Rept. p. 6, 1826.

Species :

	Page
1. <i>longicollis</i>	46
2. <i>expansa</i>	46
3. <i>oblonga</i>	46

121. *Chelodina longicollis* (Shaw), Zool. New Holland, 1, p. 19, 1794. G. A. Boulenger, Brit. Mus. Cat. Chel. p. 215, 1889.

Long-necked Terrapin. Snake-Tortoise. Mullenty-pery (in South Australia, *vide* E. R. Waite 1925).

Hab. Australia: southern and south-eastern districts.

Figs. Bell, Mon. Testud. 1836-1842, pls. 39 & 40. E. G. Boulenger, Rept. & Batr. 1914, p. 37, fig. c: photograph.

Dr. Thomas Bell had an individual alive in his private collection as early as 1834, but no record appears of this species in the Society's Gardens till 9 Jan. 1861, when one was presented by Mr. P. Joske.

122. *Chelodina expansa* J. E. Gray, Proc. Zool. Soc. London, 1856, p. 370.

Queensland Long-necked Terrapin.

Hab. Australia: Queensland and northern districts.

Figs. P. Z. S. 1856, Rept. pl. 12: shell, uncoloured; 1870, pl. 34: shell, uncoloured.

One purchased 12 Jan. 1914.

123. *Chelodina oblonga* J. E. Gray, in Grey, Journ. Exped. disc. Australia, 2, p. 446, 1841.

Western Long-necked Terrapin.

Hab. Australia: western and north-western districts, and some islands between Australia and New Guinea.

Figs. J. E. Gray, *l.c.s.* pl. 7: uncoloured. J. E. Gray, Brit. Mus. Cat. Sh. Rept. 1, 1855, pl. 24: uncoloured. Brit. Mus. Cat. Chel. 1889, p. 214, fig. 56: shell, uncoloured.

One presented 18 March, 1856, by Mr. W. A. Sandford.

Genus **Hydraspis** Bell, Zool. Journ. London,
3, p. 511, 1828.

Species :

	Page
1. <i>hilarii</i>	47
2. <i>geoffroana</i>	47
3. <i>gibba</i>	47
4. <i>radiolata</i>	48
5. <i>wagleri</i>	48

124. *Hydraspis hilarii* (Duméril & Bibron), Erp. gén. 2,
p. 428, 1835.
St. Hilaire's Terrapin.
Hab. South America : southern Brazil and water-
system of the Plate River.
Fig. Brit. Mus. Cat. Chel. 1889, p. 221, fig. 60 : shell,
uncoloured.
One received 29 June, 1898, lived in the Gardens till
27 May, 1912, 13 years 10 months 28 days.
125. *Hydraspis geoffroana* (Schweigger), Prod. Mon.
Chel. (p. 33) p. 302, 1812.
Hydraspis geoffroyana G. A. Boulenger, Brit.
Mus. Cat. Chel. p. 223, 1889.
Geoffroy's Terrapin.
Hab. South America : southern Brazil.
Fig.
Two presented 17 June, 1871, by Mr. G. Wilks,
C.M.Z.S.
126. *Hydraspis gibba* (Schweigger), Prod. Mon. Chel.
(p. 30) p. 299, 1812.
Alternative name *Mesoclemmys gibba*.
Gordon's Terrapin.
Hab. South America : Trinidad, the Guianas and
Brazil.
Figs. P. Z. S. 1868, pl. 42, as *Hydraspis gordonii* :
uncoloured. Siebenrock, Denkschr. Ak. Wiss. Wien,
76, 1904 (& 1926), pl. 3 : uncoloured.
One deposited 23 July, 1868, by the Hon. Arthur
Gordon, then Governor of Trinidad, was the type
of *Hydraspis gordonii* J. E. Gray, P. Z. S. 1868,
p. 563.

127. *Hydraspis radiolata* (Mikan), Delect. Faun. Flor. Bras. pl. —, 1820. v. G. A. Boulenger, Brit. Mus. Cat. Chel. p. 225, 1889.

Mikan's Terrapin.

Hab. South America: Brazil.

Fig.

Five deposited 26 April, 1899.

N.B.—Placed in the following genus, as *Platemys radiolata*, by Siebenrock in 1902, 1904 and 1909.

128. *Hydraspis wagleri* (Duméril & Bibron), Erp. gén. 2, p. 422, 1835.

Wagler's Terrapin.

Hab. South America: Brazil.

Fig.

Four deposited 2 July, 1898.

Genus **Platemys** Wagler, Syst. Amphib. p. 135, 1830.

Species:

	Page
1. <i>spixii</i>	48
2. <i>platycephala</i>	48*

129. *Platemys spixii* Duméril & Bibron, Erp. gén. 2, p. 409, 1835.

Spix's Terrapin.

Hab. South America: Brazil.

Fig. Spix, Spec. Nov. Testud. Brasil. 1824, pl. 3, fig. 2, as *Emys depressa*.

One deposited 1 Dec. 1898.

130. *Platemys platycephala* (Schneider), Schrift. Ges. naturf. Fr. Berlin, 10, p. 259, pl. 7, 1792. v. G. A. Boulenger, Brit. Mus. Cat. Chel. p. 277, 1889.

Flat-headed Terrapin.

Hab. South America: the Guianas, Brazil and north-eastern Peru.

Fig. Brit. Mus. Cat. Chel. 1889, p. 266, fig. 61: shell, uncoloured.

Two purchased 15 Oct. 1913.

Genus **Emydura** Bonaparte, Chel. tab. anal.
 p. 7, 1836, & Giorn. Acad. 69, p. 61, 1836.
 v. Sherborn, Index Anim. 2, pt. 9,
 p. 2151, 1926.

Species:

	Page
1. <i>macquarrii</i>	49
2. <i>latisternum</i>	49
3. <i>novaequineae</i>	49

131. *Emydura macquarrii* (J. E. Gray), Syn. Rept. p. 40,
 1831.

Emydura macquaria (G. Cuvier), Règne Anim.
 ed. 2, 2, p. 11, 1829. No description.

Emydura macquariae G. A. Boulenger, Brit. Mus.
 Cat. Chel. p. 230, 1889.

Murray River Tortoise. "Ware" (in Australia, *vide*
 E. R. Waite 1925).

Hab. Australia: apparently widely distributed in
 suitable localities, and has been recorded from New
 Guinea.

Figs. P. Z. S. 1872, pl. 27, as *Chelymys victoriae* (J. E.
 Gray) 1842: uncoloured. Brit. Mus. Cat. Chel.
 1889, p. 230, fig. 63: shell, uncoloured.

The first received appears to have been one purchased
 10 July, 1856.

132. *Emydura latisternum* (J. E. Gray), Ann. Mag. Nat.
 Hist. (3) 20, p. 44, 1867.

Broad-chested Terrapin.

Hab. Australia: Queensland.

Fig. P. Z. S. 1872, pl. 29, as *Elseya latisternum*:
 uncoloured.

One presented 15 May, 1886, by the Rev. A. Popham.

133. *Emydura novaequineae* (A. B. Meyer), Mon. Berlin
 Ac. 1874, p. 128.

New Guinea Terrapin.

Hab. New Guinea and Aru Islands.

Fig.

Eight purchased 27 Aug. 1921.

Family TRIONYCHIDAE.

Genera :

	Page
1. <i>Trionyx</i>	50
2. <i>Cycloderma</i>	53
3. <i>Emyda</i>	53
4. <i>Cyclanorbis</i>	54

Genus **Trionyx** E. Geoffroy, Ann. Mus. Hist.
Nat. Paris, 14, p. 1, 1809.

Species :

	Page		Page
1. <i>gangeticus</i>	50	5. <i>euphraticus</i>	51
2. <i>phayrei</i>	50	6. <i>ferox</i>	52
3. <i>triunguis</i>	51	7. <i>spiniferus</i>	52
4. <i>sinensis</i>	51	8. <i>muticus</i>	52

134. *Trionyx gangeticus* G. Cuvier, Ossem. foss. ed. 2,
5, pt. 2, p. 203, 1824. v. Sherborn, Index Anim.
2, pt. 11, p. 2633, 1926.

Ganges Soft-shelled Turtle.

Hab. India : Ganges water-system.

Figs. J. E. Gray, Illustr. Ind. Zool. 2, 1834, pl. 65, as
Trionyx javanicus. E. G. Boulenger, Rept. & Batr.
1914, p. 44, lower fig. : photograph.

One deposited 20 Dec. 1901.

135. *Trionyx phayrei* Theobald, J. Linn. Soc. London,
Zool. 10, p. 18, 1868, 1870.

Trionyx phayrii G. A. Boulenger, Brit. Mus. Cat.
Chel. p. 251, 1889.

Phayre's Soft-shelled Turtle.

Hab. South-east Asia : Burma, Malay Peninsula and
islands.

Fig. Theobald, Proc. Asiat. Soc. Bengal, 1874, pl. 4 :
uncoloured.

- One deposited 17 Oct. 1902.

136. *Trionyx triunguis* (Forskål), Descr. Anim. p. ix. 1775.

Nile Soft-shelled Turtle.

Hab. Africa: tropical African water-systems from the Senegal and Congo to the Nile, following the Nile down to Lower Egypt and thence accidentally to the Palestine coast and rivers.

Figs. Bell, Mon. Testud. 1836-1842, pls. 18-20, as *Trionyx labatus*. Anderson, Zool. Egypt, Rept. 1898, pl. 3. E. G. Boulenger, Rept. & Batr. 1914, p. 44, upper fig.: photograph.

One presented 17 April, 1869, by Mr. Alexander Baird.

137. *Trionyx sinensis* Wiegmann, Nova Acta Ac. Caes. Leop.-Carol. 17, p. 189, 1835.

Amyda sinensis Stejneger, Bull. U.S. Nat. Mus. 58, p. 524, 1907.

Chinese Soft-shelled Turtle.

Hab. East Asia: China, Hainan, Formosa and Japan.

Figs. Stejneger, l. c. s. pl. 25, & pp. 520-528, figs. 400-409, as *Amyda japonica* and *A. schlegelii*: uncoloured.

One purchased 6 Oct. 1877.

138. *Trionyx euphraticus* (Daudin), Nat. Hist. Rept. 2, p. 305, 1802.

Euphrates Soft-shelled Turtle.

Hab. Western Asia: Euphrates and Tigris.

Figs. J. E. Gray, Brit. Mus. Cat. Sh. Rept. 1, 1855, pl. 30, as *Trionyx rafeht*: uncoloured. Siebenrock, Ann. Naturhist. Hofmus. Wien, 27, 1913, p. 217, fig. 24, pls. 11 & 12: uncoloured.

One sent to England by Col. Chesney, Commander of the Euphrates Expedition, was presented in 1836, or early in 1837, by the Honourable the Commissioners for the Affairs of India. It died before 23 June, 1840, when it was exhibited by Mr. Martin at a meeting of the Society.

139. *Trionyx ferox* (Schneider), Naturg. Schildkr. p. 330. 1783.

Amyda ferox Stejneger & Barbour, Check List N. Amer. Rept. ed. 2, p. 140, 1923.

Fierce Soft-shelled Turtle. Southern Soft-shelled Turtle.

Hab. North America: south-eastern United States, South Carolina to Florida and Louisiana.

Figs. Schoeff, Hist. Testud. 1792, pl. 19. Ditmars, Rept. Book, 1907, pl. 26, lowest fig., pl. 27, upper fig.: photographs.

Four purchased 15 Oct. 1913, from Mr. C. R. Walter, F.Z.S.

140. *Trionyx spiniferus* Lesueur, Mém. Mus. Hist. Nat. Paris, 15, p. 258, 1827.

Amyda spinifera Stejneger & Barbour, Check List N. Amer. Rept. ed. 2, p. 141, 1923.

Trionyx spinifer G. A. Boulenger, Brit. Mus. Cat. Chel. p. 259, 1889.

Spiny Soft-shelled Turtle.

Hab. North America: water-systems of the Mississippi and St. Lawrence Rivers, from Montana and Colorado to Pennsylvania and Vermont.

Figs. Lesueur, *l. c. s.* pl. 6: uncoloured. Holbrook, N. Amer. Herp. 2, 1842, pl. 1, as *Trionyx ferox*.

One, from Lake Michigan, presented 4 June, 1874, by the Smithsonian Institution, was referred to *T. ferox*.

One deposited 25 Sept. 1899, appears to have been the first individual identified as *T. spinifer*.

141. *Trionyx muticus* Lesueur, Mém. Mus. Hist. Nat. Paris, 15, p. 263, 1827.

Amyda mutica, Stejneger & Barbour, Check List N. Amer. Rept. ed. 2, p. 140, 1923.

Pointed-nosed Soft-shelled Turtle.

Hab. North America: tributaries of the Mississippi and St. Lawrence Rivers.

Fig. Holbrook, N. Amer. Herp. 2, 1842, pl. 2.

One received in exchange 3 March, 1889.

Genus **Cycloderma** Peters, Bericht Bekannt. g.
Verhandl. König. Preuss. Akad. Wiss.
Berlin, 1854, p. 216.

Species:

	Page
1. <i>aubryi</i>	53

142. *Cycloderma aubryi* (A. Duméril), Rev. Mag. Zool.
Paris (2), 8, p. 374, 1856.

Aubry's Soft-shelled Turtle.

Hab. West Africa: Gaboon and Ogowai.

Fig. Duméril, *l. c. s.* pl. 20: uncoloured.

One deposited 2 Sept. 1905.

Genus **Emyda** J. E. Gray, Syn. Rept.
p. 49, 1831.

Species:

	Page
1. <i>granosa</i>	53
2. <i>vittata</i>	53
3. <i>scutata</i>	54

143. *Emyda granosa* (Schoepff), Hist. Testud. p. 127,
1792.

Bungoma Soft-shelled Turtle. Bun Gooma.

Hab. India: water-systems of Indus and Ganges.

Figs. J. E. Gray, Illustr. Ind. Zool. 2, 1833-1834,
pl. 64, as *Trionyx granosus*. Bell, Mon. Testud.
1836-1842, pls. 25 & 26, as *Emyda punctata*.

Five presented 19 May, 1875, by Dr. J. Shortt,
F.Z.S.

144. *Emyda vittata* Peters, Bericht Bekannt. g. Verhandl.
König. Preuss. Akad. Wiss. Berlin, 1854, p. 216.

Alternative name *Emyda granosa vittata*.

Banded Soft-shelled Turtle.

Hab. India: from the Mahánadi water-system south-
wards, and Ceylon.

Fig. J. E. Gray, Brit. Mus. Cat. Sh. Rept. 1, 1855,
pl. 29 A, as *Emyda ceylonensis*: shell, uncoloured.

One presented 14 Oct. 1897, by Mr. H. Felix.

145. *Emyda scutata* Peters, Mon. Berlin Ac. 1868, p. 449.
Shielded Soft-shelled Turtle.
Hab. South-east Asia: Burma.
Figs. Anderson, Anat. Zool. Res. Yunnan, 2, 1878,
pls. 74, 75.
Four presented 20 Oct. 1896, by Mr. W. G. Bligh.

Genus **Cyclanorbis** J. E. Gray, Proc. Zool.
Soc. London, 1851, p. 135.

Species:

	Page
1. <i>senegalensis</i>	54

146. *Cyclanorbis senegalensis* (Duméril & Bibron), Erp.
gén. 2, p. 504, 1835. v. Boulenger, Brit. Mus. Cat.
Chel. p. 271, 1889.
Senegal Soft-shelled Turtle.
Hab. Tropical Africa: Senegambia to the water-system
of the White Nile.
Fig. P. Z. S. 1870, pl. 43, as *Cyclanosteus senegalensis*:
uncoloured.
One purchased 30 Aug. 1870.

Order 2. LORICATA.

Family:

	Page
1. Crocodylidae	54

Family CROCODYLIDAE.

Genera:

	Page
1. <i>Gavialis</i>	55
2. <i>Crocodylus</i>	55
3. <i>Osteolaemus</i>	58
4. <i>Alligator</i>	59
5. <i>Caiman</i>	59

Genus **Gavialis** Oppel, Ordn. Famil. Gattung.
Rept. p. 19, 1811.

Species :

	Page
1. <i>gangeticus</i>	55

147. *Gavialis gangeticus* (J. F. Gmelin), Syst. Nat. 1,
p. 1057, 1789.

Gharial.

Hab. India: water-systems of the Indus, Ganges,
Brahmaputra, Mahánadi and Koladyne Rivers.

Figs. Duméril & Bibron, Exp. gén. 3, 1836, pl. 26,
fig. 2: head, uncoloured. E. G. Boulenger, Rept.
& Batr. 1914, p. 49: photograph.

One presented 11 Dec. 1872, by Dr. J. Anderson,
F.R.S., F.Z.S.

Genus **Crocodylus** L. T. Gronovius, Zooph.

1, p. 10, 1763, & Laurenti, Syn. Rept.
p. 53, 1768. v. Sherborn, Index
Anim. 1, p. 265, 1902.

Species :

	Page		Page
1. <i>cataphractus</i>	55	5. <i>niloticus</i>	57
2. <i>johnsoni</i>	56	6. <i>porosus</i>	57
3. <i>americanus</i>	56	7. <i>palustris</i>	58
4. <i>siamensis</i>	56	8. <i>rhombifer</i>	58

148. *Crocodylus cataphractus* G. Cuvier, Ossem. foss. 5,
pt. 2, p. 58, 1824.

Crocodylus cataphractus.

African Long-nosed Crocodile.

Hab. West Africa, from the Senegal to the Gaboon
and Congo river-systems.

Figs. Arch. Mus. Hist. Nat. Paris, 10, 1860, pl. 14,
as *C. leptorhynchus* Bennett 1835: uncoloured.
K. P. Schmidt, Bull. Amer. Mus. Nat. Hist. 39,
1919, pl. 12, fig. 1: photograph.

One was living in the Gardens on 23 Sept. 1834;
it died before 22 Sept. 1835, and was the type of
C. leptorhynchus E. T. Bennett, P. Z. S. 1835, p. 129.

149. *Crocodylus johnsoni* Krefft, Proc. Zool. Soc. London, 1873, p. 334.

Crocodylus johnsonii.

Australian Long-nosed Crocodile.

Hab. Freshwaters of the northern parts of Australia.

Figs. P. Z. S. 1874, pl. 27, as *Philas johnsoni*: head, uncoloured. A. H. S. Lucas & W. H. D. Le Souëf, Anim. Australia, 1909, pp. 189, 190: photographs.

One deposited 11 Sept. 1905, appears to have been the first received alive. Named after Mr. R. A. Johnstone, Sub-Inspector, Queensland Police, who discovered this species.

150. *Crocodylus americanus* Laurenti, Syn. Rept. p. 54, 1768.

Crocodylus americanus G. A. Boulenger, Brit. Mus. Cat. Chel. p. 281, 1889.

Crocodylus acutus G. Cuvier, Ann. Mus. Hist. Nat. Paris, 10, p. 55, 1807.

Crocodylus acutus Stejneger & Barbour, Check List N. Amer. Rept. ed. 2, p. 39, 1923.

American Sharp-nosed Crocodile. Cocodilo (in Cuba).

Hab. Southern Florida, the Greater Antilles (except Porto Rico), and both coasts of Central America from Mexico south to Colombia and Ecuador. Often found in salt water, sometimes out at sea.

Figs. Bocourt, Miss. Sc. Mex. Rept. 1870, pl. 8, figs. 1-3, as *C. americanus*, *C. lewyanus* and *C. mexicanus*. Ann. Rept. U.S. Nat. Mus. 1898 (1900), p. 174, fig. 2: juv., head, etc., uncoloured.

A female that was alive in the Gardens in 1831 appears to have been the first individual received by the Society.

151. *Crocodylus siamensis* Schneider, Hist. Amphib. 2, p. 157, 1801.

Crocodylus siamensis.

Crocodylus galeatus G. Cuvier 1807.

Siamese Crocodile.

Hab. South-east Asia: rivers and marshes of Siam and French Indo-China to as far north as Lat. $18^{\circ} 30'$ (*vide* Dr. Malcolm A. Smith). It may occur also in the northern part of the Malay Peninsula, and has been recorded from Java as *C. siamensis* and as, in Pleistocene times, *C. ossifragus* Dubois 1908.

Figs. Günther, Rept. Brit. Ind. 1864, pl. 8, fig. B: head, uncoloured. L. Müller, Palaeont. Hungarica, 1, 1923, pp. 111-116, figs. 1-5: skull.

One presented 26 May, 1920, by Dr. Malcolm A. Smith, F.Z.S.

152. *Crocodylus niloticus* Laurenti, Syn. Rept. p. 53, 1768.

Crocodylus niloticus G. A. Boulenger, Brit. Mus. Cat. Chel. p. 283, 1889.

Crocodylus vulgaris G. Cuvier 1807.

Nile Crocodile.

Hab. Africa: in suitable localities from the Cape of Good Hope northwards to Senegal, the interior of Algeria and Tripoli, and the Nile in Egypt, from whence it strays sporadically to the coast of Palestine and enters rivers in that country. Also found in Madagascar, and apparently at one time in the Seychelles.

Fig. Anderson, Zool. Egypt, Rept. 1898, pl. 1.

One received 27 Aug. 1849, from the Hon. Charles A. Murray.

153. *Crocodylus porosus* Schneider, Hist. Amphib. 2, p. 159, 1801.

Crocodylus porosus.

Estuarine Crocodile.

Hab. Widely distributed in the East Indies: on coasts and the lower courses of rivers from the Malabar coast of India and Ceylon to southern China and the Philippines, and throughout the Malay Peninsula and Archipelago to northern Australia, New Guinea and the Solomon and Fiji Islands. Frequenting salt water, as well as fresh, it is sometimes observed out at sea.

Figs. Schlegel, *Abbild. Amphib.* 1837, pl. 1, as
C. biporcatus: head. Günther, *Rept. Brit. Ind.*
 1864, pl. 7, as *C. pondicerianus*: uncoloured.
 Two presented 31 Dec. 1883, by Capt. M. Thackeray.

154. *Crocodylus palustris* Lesson, in Bélanger, *Voy. Ind.*
Or. Zool. p. 305, 1834.

Crocodilus palustris.

Marsh Crocodile, or Mugger.

Hab. India: inland waters from Baluchistan to Burma.

Figs. Günther, *Rept. Brit. Ind.* 1864, pl. 8, fig. A:
 head, uncoloured. S. S. Flower, *Rep. India*, 1913,
Egypt. Govt. Zool. Serv. Public. 26, 1914, pls. 3 & 4:
 photographs.

One presented 22 July, 1867, by Mr. E. Penning.

155. *Crocodylus rhombifer* G. Cuvier, *Ann. Mus. Hist.*
Nat. Paris, 10, p. 51, 1807.

Crocodilus rhombifer.

Cuban Crocodile. "Cayman" (in Cuba).

Hab. West Indies: Cuba.

Fig. Ramon de la Sagra, *Hist. Cuba*, *Rept.* 1843, pl. 4.

One was received in 1850.

Genus **Osteolaemus** Cope, *Proc. Ac. Nat.*
Sci. Philad. 12, 1860, p. 549, 1861.

Species:

	Page
1. <i>tetraspis</i>	58

156. *Osteolaemus tetraspis* Cope, *Proc. Ac. Nat. Sci.*
Philad. 12, 1860, p. 550, 1861.

Broad-fronted Crocodile.

Hab. West Africa: Sierra Leone to the Congo water-
 system.

Figs. P. Z. S. 1862, pl. 29, as *Crocodilus frontatus*
 A. Murray 1862. K. P. Schmidt, *Bull. Amer.*
Mus. Nat. Hist. 39, 1919, pl. 13, fig. 2: photo-
 graph.

One presented 26 June, 1873, by Mr. J. J. Monteiro,
 C.M.Z.S.

Genus **Alligator** G. Cuvier, Ann. Mus. Hist.
Nat. Paris, 10, p. 25, 1807.

Species:

	Page
1. <i>mississippiensis</i>	59
2. <i>sinensis</i>	59

157. *Alligator mississippiensis* (Daudin), Hist. Nat.
Rept. 2, p. 412, 1802.

Mississippi Alligator.

Hab. North America: southern United States from the Carolinas to Texas.

Figs. Holbrook, N. Amer. Herp. 2, 1842, pl. 7. Ann.
Rept. U.S. Nat. Mus. 1898 (1900), p. 169, fig. 1:
juv., head, etc., uncoloured. E. G. Boulenger,
Rept. & Batr. 1914, p. 45: photograph.

First received 25 Sept. 1828; it died 14 Nov. 1828.

158. *Alligator sinensis* A. A. Fauvel, Journ. North-China
Br. Roy. Asiatic Soc. (2) 13, p. 34, 1879.

Chinese Alligator.

Hab. China: Yang-tse-Kiang water-system.

Figs. Fauvel, *l. c. s.* pl. opposite p. 36: uncoloured.
P. Z. S. 1890, pls. 51 & 52.

Two presented 26 Aug. 1890, by M^r. D. C. Jansen.

Genus **Caiman** Spix, Spec. Nov. Lacert.
Brasil. p. 3, 1825.

Species:

	Page
1. <i>niger</i>	59
2. <i>latirostris</i>	60
3. <i>crocodilus</i>	60
4. <i>trigonatus</i>	61
5. <i>palpebrosus</i>	61

159. *Caiman niger* Spix, Spec. Nov. Lacert. Brasil. p. 3,
1825.

Black Cayman.

Hab. South America: Amazon water-system.

Figs. Spix, *l.c.s.* pl. 4. Natterer, *Zool. Ab. Ann. Wien. Mus.* 2, 1840, pl. 21, as *Champsia nigra*: head, uncoloured.

One purchased 25 June, 1926.

160. *Caiman latirostris* (Daudin), *Hist. Nat. Rept.* 2, p. 417, 1802.

Broad-snouted Cayman.

Hab. South America: eastern Brazil, from Pernambuco south to Uruguay; also occurs in Paraguay, from whence it sometimes floats down to Argentina.

Figs. Spix, *Lacert. Bras.* 1825, pl. 3, as *Caiman fissipes*. Natterer, *Zool. Ab. Ann. Wien. Mus.* 2, 1840, pl. 22, as *Champsia fissipes*: head, uncoloured.

One purchased 29 April, 1873.

161. *Caiman crocodilus* (Linnaeus), *Syst. Nat.* 1, p. 200, 1758. Andersson, *Bihang K. Svenska Vet.-Ak. Handl.* 26, 4, 1, p. 5, 1900.

Caiman sclerops (Schneider), *Hist. Amphib.* 2, p. 162, 1801. G. A. Boulenger, *Brit. Mus. Cat. Chel.* p. 294, 1889.

Spectacled Cayman. Rough-eyed Cayman.

Hab. Central and South America: from southern Mexico to Argentina. Three forms are distinguished by Dr. K. P. Schmidt, *Field Mus. Chicago, Publ.* 252, 12, 17, 1928: a northern *Caiman fuscus* (Cope) 1868, from Central America and Colombia; a southern *C. yacare* (Daudin) 1802, from the Paraguayan basin of Bolivia, Brazil, Paraguay and Argentina; and the typical *C. sclerops* (i. e. *crocodilus*), from Venezuela, the Guianas and the Lower Amazon.

Figs. Spix, *Lacert. Bras.* 1825, pl. 2, as *Jacaretinga punctulatus*. Wied, *Abbild. Nat. Brasil.* 1822-1831, *Rept.* pl. 4, as *Crocodylus sclerops*. Natterer, *Zool. Ab. Ann. Wien. Mus.* 2, 1840, pls. 23-25, as *Champsia sclerops*, *C. vallifrons* and *C. punctulata*: heads, uncoloured. J. E. Gray, *T.Z.S.* 6, 1867, pls. 33 & 34, as *Jacare ocellata* and *Jacare longiscutata*: uncoloured.

First received 4 Feb. 1868, when one was presented by Mr. G. Wilks, C.M.Z.S.

162. *Caiman trigonatus* (Schneider), Hist. Amphib. 2, p. 161, 1801.
 Alternative name *Paleosuchus trigonatus*.
 Aspmat Cayman. Schneider's Smooth-fronted Cayman.
Hab. South America: Venezuela, the Guianas and Amazon water-system from Peru to the Atlantic.
Fig. Natterer, Zool. Ab. Ann. Wien. Mus. 2, 1840, pl. 26, as *Champsia trigonata*: head, uncoloured.
 One received in 1851.
163. *Caiman palpebrosus* (G. Cuvier), Ann. Mus. Hist. Nat. Paris, 10, p. 35, 1807.
 Alternative name *Paleosuchus palpebrosus*.
 Musky Cayman. Cuvier's Smooth-fronted Cayman.
Hab. South America: the Guianas and Brazil.
Figs. Spix, Lacert. Bras. 1825, pl. 1, as *Jacaretinga moschifer*. Natterer, Zool. Ab. Ann. Wien. Mus. 2, 1840, pls. 27 & 28, as *Champsia palpebrosa* and *C. gibbiceps*: head, uncoloured.
 Two presented 16 May, 1908, by Mr. E. Salis-Schwabe.

Order 3. RHYNCHOCEPHALIA.

Family:

	Page
1. Sphenodontidae	61

Family SPHENODONTIDAE.

Genus:

	Page
1. <i>Sphenodon</i>	61

Genus **Sphenodon** J. E. Gray, Zool. Miscell.
 London, p. 14, 1831

Species:

	Page
1. <i>punctatus</i>	62

164. *Sphenodon punctatus* (J. E. Gray), Zool. Miscell.
London, p. 72, 1842.

Tuatera.

Hab. New Zealand.

Figs. Zool. Erebus & Terror, 2, Rept. 1845, pl. 20 :
uncoloured. E. G. Boulenger, Rept. & Batr. 1914,
p. 6 : photograph.

One, which had been obtained by Dr. Hector, F.R.S.,
C.M.Z.S., deposited 28 Oct. 1868, by Sir George
Grey, K.C.B., F.Z.S.

Order 4. SAURIA.

Families :

	Page		Page
1. Gekkonidae	62	12. Lacertidae.....	126
2. Uroplatidae	76	13. Teiidae	136
3. Iguanidae	76	14. Amphisbaenidae ..	140
4. Agamidae	93	15. Varanidae	143
5. Chamaeleontidae ..	103	16. Pygopodidae	147
6. Xantusiidae	108	17. Helodermatidae ..	148
7. Scincidae	109	18. Anguidae	149
*8. Anelytropsidae	—	*19. Xenosauridae	—
*9. Feyliniidae	—	20. Anniellidae	152
*10. Dibamidae.....	—	21. Zonuridae	152
11. Gerrhosauridae....	124		

Family GEKKONIDAE.

Genera :

	Page		Page
1. <i>Stenodactylus</i>	63	10. <i>Hoplodactylus</i>	70
2. <i>Gymnodactylus</i>	63	11. <i>Gekko</i>	70
3. <i>Gonatodes</i>	64	12. <i>Ptychozoon</i>	71
4. <i>Phyllodactylus</i>	64	13. <i>Homopholis</i>	71
5. <i>Oedura</i>	65	14. <i>Tarentola</i>	72
6. <i>Ptyodactylus</i>	66	15. <i>Pachydactylus</i>	73
7. <i>Thecadactylus</i>	66	16. <i>Phelsuma</i>	74
8. <i>Hemidactylus</i>	67	17. <i>Sphaerodactylus</i>	74
9. <i>Peropus</i>	69	18. <i>Coleonyx</i>	75

* * These four families have not yet been represented alive in the Gardens, 31 Dec. 1927.

Genus **Stenodactylus** Fitzinger, Neu
 Classif. Rept. p. 13, 1826.

Species:

	Page
1. <i>sthenodactylus</i>	63

165. *Stenodactylus sthenodactylus* (Lichtenstein), Verz.
 Doubl. Mus. Berlin, p. 102, 1823.

Stenodactylus guttatus. Stenodactylus elegans.

Elegant Gecko.

Hab. Egypt, Sinai and Palestine.

Figs. Anderson, Zool. Egypt, Rept. 1898, pp. 37, 40 &
 44, figs. 1, 2 & 3, & pl. 4, figs. 1-6: uncoloured.

One presented 15 July, 1898, by Mr. R. Stradling.

Genus **Gymnodactylus** Spix, Spec. Nov.
 Lacert. Brasil. p. 17, 1825.

Species:

	Page
1. <i>scaber</i>	63
2. <i>milii</i>	63

166. *Gymnodactylus scaber* (Heyden), in Rüppell, Atlas,
 nördl. Afr. Rept. p. 15, 1827.

Rough-skinned Gecko.

Hab. West Asia: Mesopotamia to Afghanistan and
 Sind; also found on the African side of the Red Sea
 in the Sudan and Abyssinia.

Figs. Rüppell, *l. c. s.* pl. 4, fig. 2. Anderson, Zool.
 Egypt, Rept. 1898, pl. 5, figs. 1, 2: uncoloured.

A Lizard from Nineveh, received in 1856 or 1857, as
Ctenodactylus geckoides, probably belonged to this
 species.

167. *Gymnodactylus milii* (Bory de St. Vincent), Dict.
 Class. Hist. Nat. Paris, 7, p. 183, 1825.

Gymnodactylus miliusii G. A. Boulenger, Brit.
 Mus. Cat. Liz. 1, p. 48, 1885.

Carrot-tailed Gecko.

Hab. Australia : southern districts.

Figs. J. E. Gray, Zool. Erebus & Terror, Rept. 1845, pl. 17, fig. 2 : uncoloured. A. H. S. Lucas & W. H. D. Le Souëf, Anim. Australia, 1909, pp. 206-208 : photographs. E. G. Boulenger, Rept. & Batr. 1914, p. 53, fig. c : photograph.

Three received in exchange 9 June, 1908.

Genus **Gonatodes** Fitzinger, Syst. Rept.
p. 91, 1843.

Species :

	Page
1. <i>vittatus</i>	64

168. *Gonatodes vittatus* (Lichtenstein), Nomencl. Rept.
Mus. Zool. Berol. p. 6, 1856.

Striped Gecko.

Hab. Tropical America : northern South America
and the West Indies.

Fig.

One presented 31 Aug. 1911, by Dr. I. H. Gough.

Genus **Phyllodactylus** J. E. Gray, Spicil.
Zool. p. 3, 1830.

Species :

	Page
1. <i>tuberculosis</i>	64
2. <i>microphyllus</i>	65
3. <i>porphyreus</i>	65
4. <i>europaeus</i>	65

169. *Phyllodactylus tuberculosis* Wiegmann, Nova Acta
Ac. Caes. Leop.-Carol. 17, p. 241, 1835.

Wiegmann's Gecko.

Hab. America : southern California and Lower Cali-
fornia, and south through Central America to
Ecuador and Peru.

Figs. Wiegmann, *l. c. s.* pl. 18, fig. 2 : uncoloured.
Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900),
p. 459, fig. 83 : head, etc., uncoloured.

Ten presented 21 June, 1927, by Dr. B. Barnett,
C.M.Z.S.

170. *Phyllodactylus microphyllus* Cope, J. Ac. Nat. Sci. Philad. (2) 8, p. 175, 1876. v. G. A. Boulenger, Brit. Mus. Cat. Liz. 1, p. 84, 1885.

Peruvian Gecko.

Hab. South America : Peru.

Fig.

Five presented 21 June, 1927, by Dr. B. Barnett, C.M.Z.S.

171. *Phyllodactylus porphyreus* (Daudin), Hist. Nat. Rept. 4, p. 130, 1802.

Purplish Gecko.

Hab. South Africa : Cape Province.

Fig.

One presented 30 May, 1888, by the Rev. G. H. R. Fisk, C.M.Z.S.

172. *Phyllodactylus europaeus* Gené, Mem. Acc. Sci. Torino (2), 1, p. 263, 1839.

European Gecko.

Hab. Western Mediterranean Islands, Italy and southern France.

Fig.

Five presented 25 March, 1879, by Prof. H. H. Giglioli, C.M.Z.S.

Genus **Oedura** J. E. Gray, Zool. Miscell. London, p. 52, 1842.

Species :

	Page
1. <i>ocellata</i>	65
2. <i>lesueurii</i>	66

173. *Oedura ocellata* G. A. Boulenger, Brit. Mus. Cat. Liz. 1, p. 105, 1885.

Eyed Thick-tailed Gecko.

Hab. Australia.

Fig. G. A. Boulenger, *l. c. s.* pl. 9, fig. 1 : uncoloured.

One presented 8 Feb. 1913, by Mr. C. R. Walter, F.Z.S.*

174. *Oedura lesueurii* (Duméril & Bibron), Erp. gén. 3, p. 392, 1836.

• Lesueur's Gecko.

Hab. Australia: New South Wales and Queensland.

Fig. A. H. S. Lucas & W. H. D. Le Souëf, Anim. Australia, 1909, p. 213: photograph.

One deposited 30 Sept. 1897.

Genus **Ptyodactylus** J. E. Gray, Ann. Philos. London (2), 10, p. 198, 1825.

N.B.—*Ptyodactyles* G. Cuvier, Règne Anim. 2, p. 49, 1817.

Species :

	Page
1. <i>hasselquistii</i>	66

175. *Ptyodactylus hasselquistii* (Donndorff), Zool. Beytr. Leipzig, 3, p. 133, 1789. Anderson, Zool. Egypt, Rept. p. 62, 1898.

Ptyodactylus lobatus.

Fan-footed Gecko.

Hab. North Africa and south-west Asia: Algiers, Egypt, Nubia, Eritrea, Shoa, Sinai, Palestine, Syria, Hedjaz, south-east Arabia, Muscat.

Figs. Anderson, Zool. Egypt, Rept. 1898, pls. 6 & 7: uncoloured.

One purchased 15 June, 1870.

Genus **Thecadactylus** J. E. Gray, Ann. Philos. London (2), 10, p. 198, 1825.

N.B.—*Thecadactyles* G. Cuvier, Règne Anim. 2, p. 48, 1817.

Species :

	Page
• 1. <i>rapicaudus</i>	67

176. *Thecadactylus rapicaudus* (M. Houttuyn), Verh. Zeeuw. genoot. Wet. Vlissingen, 9, p. 322, 1782. v. Sherborn, Index Anim. p. 821, 1902.

Top-tailed Gecko.

Hab. Tropical America: Yucation to Peru, the Guianas, Trinidad and the West Indies.

Fig. Daudin, Hist. Nat. Rept. 4, 1802. pl. 51, as "Gecko a queue turbinée."

Two presented 11 May, 1897, by Mr. R. R. Mole, C.M.Z.S.

Genus **Hemidactylus** Oken, Isis, 1817, p. 1183.

Species :

	Page		Page
1. <i>frenatus</i>	67	5. <i>brookii</i>	68
2. <i>mabouia</i>	67	6. <i>leschenaultii</i>	69
3. <i>fasciatus</i>	68	7. <i>coctaci</i>	69
4. <i>turcicus</i>	68	8. <i>bowringii</i>	69

177. *Hemidactylus frenatus* Duméril & Bibron, Erp. gén. 3, p. 366, 1836.

Bridged House-Gecko. Chee chah, Chichak and Chingehok (in Malaya and Siam).

Hab. Widely distributed, probably by accidental human agency, in India, Indo-China, China, Korea, Malaya, northern Australia, islands of the Western Pacific and Indian Oceans, Somaliland, South Africa, St. Helena and Mexico.

Figs. Gray, Zool. Erebus & Terror, 1845, pl. 15, fig. 5, as *H. vittatus*: uncoloured. Stejneger, Herp. Japan, Bull. U.S. Nat. Mus. 58, 1907, p. 173, figs. 167, 168: head, uncoloured.

One presented 24 June, 1912, by the Government of the Federated Malay States.

178. *Hemidactylus mabouia* (Moreau de Jonnés), Bull. Soc. philom. Paris, 1818, p. 138.

Moreau's Gecko.

Hab. Tropical Africa, Madagascar, South and Central America, West Indies.

- Figs.* Ramon de la Sagra, Hist. Cuba Rept. 1843, pl. 16, as *H. mabuia*. Peters, Reise Mossamb. 3, 1882, pl. 5, fig. 3, as *H. platycephalus*.
 Five, from British East Africa, presented 12 Oct. 1892, by Mr. F. Finn, F.Z.S.

179. *Hemidactylus fasciatus* J. E. Gray, Zool. Miscell. London, p. 58, 1831-1844, & Brit. Mus. Cat. Liz. p. 151, 1845.
 Banded Gecko.
Hab. West Africa: Liberia to the Congo, eastward to the Ituri district.
Figs. Brit. Mus. Cat. Liz. 1, 1885, pl. 11, fig. 4: uncoloured. K. P. Schmidt, Bull. Amer. Mus. Nat. Hist. 39, 1919, pl. 15, fig. 1: uncoloured.
 One presented 21 Aug. 1910, by Dr. H. G. F. Spurrell.
180. *Hemidactylus turcicus* (Linnaeus), Syst. Nat. 1, p. 202, 1758.
 Turkish Gecko.
Hab. Mediterranean coastlands and islands: sometimes found, distributed by unintentional human agency, east to India and west to Florida.
Figs. Anderson, Zool. Egypt, Rept. 1898, pl. 5, figs. 3 & 4: uncoloured.
 Four purchased 8 Aug. 1887.
181. *Hemidactylus brookii* J. E. Gray, Brit. Mus. Cat. Liz. p. 153, 1845.
 Brook's Gecko.
Hab. Africa and southern Asia: widely distributed from Cape Verde to south China and Borneo, and also, probably, to Australia.
Figs. G. A. Boulenger, Faun. Malay Pen. Rept. 1912, p. 42, fig. 14: uncoloured. K. P. Schmidt, Bull. Amer. Mus. Nat. Hist. 39, 1919, pl. 14, fig. 1: photograph.
 Three deposited 13 March, 1886, were referred to *H. gleadowii* (= *H. gleadowi* Murray 1884), now considered a synonym of *H. brookii*.

182. *Hemidactylus leschenaultii* Duméril & Bibron,
Erp. gén. 3, p. 364, 1836.
Leschenault's Gecko.
Hab. India, Ceylon and Malaya.
Fig.
One presented 24 June, 1912, by the Government of
the Federated Malay States.
183. *Hemidactylus coctaei* Duméril & Bibron, Erp. gén.
3, p. 365, 1836.
Hemidactylus cocteani.
Cocteau's Gecko.
Hab. India and Malaya.
Fig.
Two deposited 13 March, 1886.
184. *Hemidactylus bowringii* (J. E. Gray), Brit. Mus.
Cat. Liz. p. 156, 1845.
Bowring's Gecko.
Hab. India, Burma, Tenasserim, China, Formosa and
Riu Kiu Islands.
Fig. Brit. Mus. Cat. Liz. 1, 1885, pl. 12, fig. 2 :
uncoloured.
One presented 24 June, 1912, by the Government of
the Federated Malay States.

Genus **Peropus** Wiegmann, Nova Acta
Ac. Caes. Leop.-Carol. 17, pt. 1,
p. 238, 1835.

Species :

	Page
1. <i>mutilatus</i>	69

185. *Peropus mutilatus* (Wiegmann), Herp. Mex. 1,
p. 54, footnote, 1834. Stejneger, Bull. U.S. Nat.
Mus. 58, p. 180, 1907.
Gehyra mutilata.
Peron's House-Gecko.

Hab. Widely distributed in the coastlands and islands of the Indian and Pacific Oceans: from the Seychelles and Mascarene Islands to the Philippines and New Guinea, north to Ceylon, Burma, Siam, Hainan and Formosa, and has also been found in Hawaii and western Mexico.

Figs. Stejneger, *l. c. s.* figs. 171-173: head and foot, uncoloured.

One deposited 29 Sept. 1884.

Genus **Hoplodactylus** Fitzinger, Syst. Rept.
p. 100, 1843.

Species:

	Page
1. <i>pacificus</i>	70

186. *Hoplodactylus pacificus* (J. E. Gray), Zool. Miscell. London, p. 58, 1842, & in Dieffenbach, Travels in New Zealand, 2, p. 203, 1843.

New Zealand Gecko.

Hab. New Zealand.

Figs. Girard, Wilkes, U.S. Explor. Exped. Herp. 1858, pl. 18, figs. 10-16, as *Hoplodactylus pomarii* Girard 1857.

Four deposited 6 Aug. 1914.

Genus **Gekko** Laurenti, Syn. Rept. p. 34
[misprint for 43], 1768.

Species:

	Page
1. <i>gekko</i> ..	70
2. <i>vittatus</i>	71

187. *Gekko gekko* (Linnaeus), Syst. Nat. 1, p. 205, 1758.
Gekko verticillatus Laurenti, Syn. Rept. p. 44, 1768.
Gekko verticillatus G. A. Boulenger, Brit. Mus. Cat. Liz. 1, p. 183, 1885.
Gecco verticillatus P. L. Sclater, List, ed. 9, p. 577, 1896.

Great House-Gecko. Tokay (in Malaya and Siam).

Hab. South-east Asia: north-east India, Burma, south China, Annam, Siam, Malay Peninsula and islands.

Figs. N. de Rooij, Rept. Indo-Austr. Archip. **1**, 1915, p. 56, fig. 34: head, etc., uncoloured. E. G. Boulenger, Rept. & Batr. 1914, p. 52: photographs. Two presented in April, 1862, by Mr. A. Grote.

188. *Gekko vittatus* M. Houttuyn, Verh. Zeeuw. genoot. Wet. Vlissingen. **9**, p. 325, pl. —, fig. 2, 1782. v. G. A. Boulenger, Brit. Mus. Cat. Liz. **1**, p. 185, 1885.

Great Striped Gecko.

Hab. Indo-Australian Region: Moluccas, Aru Islands, New Guinea, Solomon Islands.

Fig.

One purchased 22 Aug. 1921.

Genus **Ptychozoon** Kuhl, Isis, 1822, p. 475 (*nomen nudum*). Fitzinger, Neue Classif. Rept. p. 13, 1826. v. Stejneger, Bull. U.S. Nat. Mus. **58**, p. 170, 1907.

Species:

	Page
1. <i>homalocephalum</i>	71

189. *Ptychozoon homalocephalum* (Creveldt). Mag. Ges. naturf. Fr. Berlin, **3**, p. 266, pl. 8, 1809. v. G. A. Boulenger, Faun. Malay Pen. Rept. p. 58, 1912.

Alternative name *Ptychozoon kuhli*, v. Stejneger, Proc. Biol. Soc. Washington, **15**, p. 37, 1902, & Bull. U.S. Nat. Mus. **58**, p. 170, 1907.

Parachute Gecko. "Flying Gecko."

Hab. South-east Asia: Burma, Malay Peninsula, Sumatra, Java and Borneo.

Fig. G. A. Boulenger, *l. c. s.* p. 53, fig. 15: uncoloured. One presented 15 Aug. 1884, by Dr. F. H. Bauer, C.M.Z.S.

Genus **Homopholis** G. A. Boulenger, Brit. Mus. Cat. Liz. **1**, p. 191, 1885.

Species:

	Page
1. <i>walbergii</i>	72

190. *Homopholis walbergii* (A. Smith), Illustr. Zool. S. Afr. Rept. text to pl. 75, fig. 1, 1849.
Homopholis wahlbergii G. A. Boulenger, Brit. Mus. Cat. Liz. 1, p. 191, 1885.
 Wahlberg's Gecko.
Hab. South Africa: Natal to Portuguese East Africa.
Fig. A. Smith, *l. c. s.* pl. 75, fig. 1, as *Geko walbergii*.
 One received 29 Aug. 1927, collected by Mr. H. B. Cott, F.Z.S.

Genus **Tarentola** J. E. Gray, Ann. Philos. London (2), 10, p. 199, 1825. G. A. Boulenger, Brit. Mus. Cat. Liz. 1, pp. 195, 196, 413 & 414, 1885.

Species :

	Page
1. <i>mauritanica</i>	72
2. <i>annularis</i>	72
3. <i>delalandii</i>	73
4. <i>gigas</i>	73

191. *Tarentola mauritanica* (Linnaeus), Syst. Nat. 1, p. 202, 1758.
 Moorish Gecko.
Hab. Mediterranean coastlands: from Spain to Egypt, Dalmatia and the Ionian Islands; also found in the eastern Canary Islands (Fuerteventura, Lanzarote, Graciosa and Allegranza).
Figs. Anderson, Zool. Egypt, Rept. 1898, pl. 8, figs. 1 & 2.
 First received before April 1859.
192. *Tarentola annularis* (I. Geoffroy), in Savigny, Desc. Égypte, 1 (1), Rept. p. 130, 1827. v. Sherborn, Index Anim. 2, pt. 2, p. 341, 1923.
 Egyptian Gecko.
Hab. North-east Africa: Egypt, Sudan, Eritrea and Abyssinia.
Fig. Anderson, Zool. Egypt, Rept. 1898, pl. 8, fig. 3.
 One presented 29 June, 1849, by the Hon. Charles A. Murray.

193. *Tarentola delalandii* (Duméril & Bibron), Erp. gén. 3, p. 324, 1836.

Delalande's Gecko.

Hab. North-west African islands: Madeira, western Canaries (Tenerife, Palma, Gomera and Hierro, with a form, *T. delalandii boettgeri*, on Gran Canaria) and Cape Verde Islands.

Fig.

Four presented 10 Oct. 1882, by Mr. A. D. Bartlett.

194. *Tarentola gigas* (Bocage), Journ. Sc. Lisb. 5, p. 108, 1875. v. G. A. Boulenger, Brit. Mus. Cat. Liz. 1, p. 200, 1885.

Cape Verde Gecko.

Hab. Cape Verde Islands.

Fig.

Two deposited 23 May, 1906.

Genus **Pachydactylus** Wiegmann, Herp. Mex. p. 19, 1834.

Species:

	Page
1. <i>bibronii</i>	73
2. <i>geitje</i>	73
3. <i>maculatus</i>	74

195. *Pachydactylus bibronii* (A. Smith), Illustr. Zool. S. Afr. Rept. text to pl. 50, fig. 1, 1846.

Bibron's Clawless-Gecko.

Hab. South Africa: from the Cape northwards to Benguela and Mozambique.

Figs. A. Smith, *l. c. s.* pl. 50, fig. 1, as *Tarentola bibronii*. P. Z. S. 1864, pl. 9, fig. 2, as *Homodactylus turneri* J. E. Gray 1864: uncoloured.

One purchased 21 Feb. 1927, collected by Mr. H. B. Cott, F.Z.S.

196. *Pachydactylus geitje* (Sparman), Göteborgs Vetenskaps och Witterhets Samhälles Handl. 1, p. 75, 1778. v. Andersson, Bihang K. Svenska Vet.-Ak. Handl. 26, pt. 4, 1, p. 28, 1900.

Pachydactylus ocellatus (G. Cuvier), Règne Anim. 2, p. 46, 1817. G. A. Boulenger, Brit. Mus. Cat. Liz. 1, p. 205, 1885.

Eyed Clawless-Gecko.

Hab. South Africa: from the Cape northwards to Benguela.

Fig.

Twenty-one, from Robben Island, presented 8 July, 1882, by the Rev. G. H. R. Fisk, C.M.Z.S.

197. *Pachydactylus maculatus* J. E. Gray, Brit. Mus. Cat. Liz. p. 167, 1845.

Spotted Clawless Gecko.

Hab. South Africa: Cape Province.

Fig. Brit. Mus. Cat. Liz. 1885, 1, pl. 16, fig. 4: uncoloured.

One presented 23 June, 1886, by the Rev. G. H. R. Fisk, C.M.Z.S.

Genus **Phelsuma** J. E. Gray, Ann. Philos. London (2), 10, p. 199, 1825.

Species :

	Page
1. <i>madagascariensis</i>	74

198. *Phelsuma madagascariensis* (J. E. Gray), in Griffith, Anim. Kingd. 9, Syn. p. 47, 1831, & Brit. Mus. Cat. Liz. p. 166, 1845.

Phelsuma madagascariense.

Green Gecko.

Hab. Madagascar, Aldabra, the Seychelles and on the east coast of Africa, to where it may have been imported by human agency.

Fig.

Two deposited 11 April, 1903.

Genus **Sphaerodactylus** Wagler, Syst. Amphib. p. 143, 1830.

Species :

	Page
1. <i>argus</i>	75

199. *Sphaerodactylus argus* Gosse, Ann. Mag. Nat. Hist. (2) 6, p. 347, 1850.
 Argus Gecko. Eyed Palette-tip.
Hab. Jamaica.
Fig. Brit. Mus. Cat. Liz. 1, 1885, pl. 18, fig. 5 : uncoloured.
 One presented 17 June, 1886, by Mrs. E. Blake.

Genus **Coleonyx** J. E. Gray, Ann. Mag. Nat. Hist. (1) 16, p. 162, 1845.

Species :

	Page
1. <i>variegatus</i>	75
2. <i>fasciatus</i>	75

200. *Coleonyx variegatus* (Baird), Proc. Ac. Nat. Sci. Philad. 1858, p. 254. v. Stejneger & Barbour, Check List. N. Amer. Rept. ed. 2, p. 42, 1923.
Eublepharis variegatus G. A. Boulenger, Brit. Mus. Cat. Liz. 1, p. 233, 1885.
 Texas Ground-Gecko.
Hab. North America : Texas to Utah, California and Lower California.
Fig. Cope. Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 467, fig. 86 : head, etc., uncoloured, as *Eublepharis variegatus*, represents the allied form *Coleonyx brevis* Stejneger 1893.
 One purchased 21 May, 1927.

201. *Coleonyx fasciatus* (G. A. Boulenger), Brit. Mus. Cat. Liz. 1, p. 234, 1885.
Eublepharis fasciatus.
 Banded Ground-Gecko.
Hab. North America : Mexico.
Fig.
 One purchased 21 May, 1927.

Family UROPLATIDAE.

Genus :

1. <i>Uroplates</i>	Page 76
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Genus **Uroplates** J. E. Gray, Ann. Philos.
London (2), 10, p. 198, 1825.

Species :

1. <i>fimbriatus</i>	Page 76
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202. *Uroplates fimbriatus* (Schneider), Amphib. Physiol.
sp. alt. p. 32, 1792. v. Sherborn, Index Anim.
p. 368, 1902.
Fringed Gecko.
Hab. Madagascar.
Figs. Novit. Zool. Tring, 10, 1903, pl. 3. E. G.
Boulenger, Rept. & Batr. 1914, p. 53, fig. a : photo-
graph.
One deposited 25 Oct. 1902, by the Hon. Walter
Rothschild; it lived till July 1903, and was the type
of *Uroplates fimbriatus lichenius* Rothschild, Novit.
Zool. Tring, 10, p. 490, 1903.

Family IGUANIDAE.

Genera :

	Page		Page
1. <i>Chamaeleolis</i>	76	11. <i>Iguana</i>	83
2. <i>Anolis</i>	77	12. <i>Cyclura</i>	84
3. <i>Polychrus</i>	78	13. <i>Ctenosaura</i>	85
4. <i>Basiliscus</i>	79	14. <i>Dipsosaurus</i>	86
5. <i>Liolaemus</i>	79	15. <i>Sauromalus</i>	86
6. <i>Leiocephalus</i>	80	16. <i>Crotaphytus</i>	86
7. <i>Tropidurus</i>	81	17. <i>Holbrookia</i>	87
8. <i>Uraniscodon</i>	82	18. <i>Uta</i>	88
9. <i>Conolophus</i>	82	19. <i>Sceloporus</i>	88
10. <i>Metopoceros</i>	83	20. <i>Phrynosoma</i>	90

Genus **Chamaeleolis** Cocteau, in Ramon de la
Sagra, Hist. Cuba, Rept. p. 90, 1843.

Species :

1. <i>chamaeleontides</i>	Page 77
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203. *Chamaeleolis chamaeleontides* (Duméril & Bibron),
Erp. gén. 4, p. 168, 1837.
Chameleon-Lizard.
Hab. West Indies: Cuba.
Fig. Cocteau, in Ramon de la Sagra, Hist. Cuba, Rept.
1843, pl. 15, as *Chamaeleolis fernandina*.
One deposited 27 July, 1903.

Genus **Anolis** Daudin, Hist. Nat. Rept. 4,
p. 50, 1803.

Species:

	Page
1. <i>equestris</i>	77
2. <i>cratatellus</i>	77
3. <i>cepedii</i>	77
4. <i>lineatopus</i>	78
5. <i>carolinensis</i>	78

204. *Anolis equestris* Merrem, Tent. Syst. Amphib. p. 45,
1820.
Greater Cuban Anolis-Lizard.
Hab. West Indies: Cuba.
Fig. Cocteau, in Ramon de la Sagra, Hist. Cuba, Rept.
1843, pl. 9.
Two deposited 27 July, 1903.
205. *Anolis cratatellus* Duméril & Bibron, Erp. gén. 4,
p. 143, 1837.
Crested Anolis-Lizard.
Hab. West Indies: its range embraces twelve islands,
including Porto Rico and Mona.
Fig. Bocourt, Miss. Sc. Mex. Rept. 1870, pl. 14,
fig. 12: top of head, uncoloured.
Ten presented 14 Sept. 1864, by Capt. Sawyer.
206. *Anolis cepedii* Merrem, Tent. Syst. Amphib. p. 441,
1820.
Anolis alligator Duméril & Bibron, Erp. gén. 4,
p. 134, 1837.
Alligator Anolis-Lizard. Barbadian Lizard.

Hab. West Indies : Trinidad and Windward Islands.

Fig. Bocourt, Miss. Sc. Mex. Rept. 1870, pl. 14, fig. 4 :
top of head, uncoloured.

Ten purchased 3 Aug. 1880.

207. *Anolis lineatopus* J. E. Gray, Ann. Mag. Nat. Hist.

(1) 5, p. 113, 1840.

Gray's Anolis-Lizard.

Hab. West Indies : Jamaica.

Figs. Brit. Mus. Cat. Liz. 2, 1885, pl. 1, figs. 1 & 2 :
uncoloured.

Seven presented 29 Aug. 1905, by Mr. H. Munt,
F.Z.S.

208. *Anolis carolinensis* Voigt, Cuv. Thierreich, 2, p. 71,
1832.

Carolina Anolis-Lizard. "Chameleon" (in America).

Hab. North America : south and south-eastern United
States.

Figs. Holbrook, N. Amer. Herp. 2, 1842, pl. 8. Ann.
Rep. U.S. Nat. Mus. 1898 (1900), p. 233, fig. 16 :
head, etc., uncoloured.

Two presented 9 July, 1888, by Mr. H. E. T. Glover.

Genus **Polychrus** G. Cuvier, Règne Anim. 2,
p. 40, 1817.

Species :

	Page
1. <i>marmoratus</i>	78
2. <i>acutirostris</i>	79

209. *Polychrus marmoratus* (Linnaeus), Syst. Nat. 1,
p. 208, 1758.

Marbled Syrcop-Lizard.

Hab. South America : Venezuela, the Guianas and
Brazil.

Figs. Spix, Spec. Nov. Lacert. Brasil. 1825, pl. 14.
P.Z.S. 1926, pt. 4, Cott, pl. 3, fig. 2 : photo-
graph.

One presented 17 March, 1880, by Dr. A. Stradling,
C.M.Z.S.

210. *Polychrus acutirostris* Spix, Spec. Nov. Lacert. Brasil. p. 15, 1825.

Sharp-nosed Syrelop-Lizard.

Hab. South America : Brazil and Paraguay.

Figs. Spix, *l. c. s.* pl. 14 a. Bocourt, Miss. Sc. Mex. Rept. 1870, pl. 7, fi. 7, as *Polychrus anomalus* : underside of head, uncoloured.

First received between 29 April, 1860, and 29 April, 1861.

Genus **Basiliscus** Laurenti, Syn. Rept. p. 50, 1768.

Species :

	Page
1. <i>basiliscus</i>	79
2. <i>vittatus</i>	79

211. *Basiliscus basiliscus* (Linnaeus), Syst. Nat. 1, p. 206, 1758.

Basiliscus americanus.

American Basilisk.

Hab. Central America.

Fig. E. G. Boulenger, Rept. & Batr. 1914, p. 65, fig. a : photograph.

The date when this species was first received in the Gardens has not been ascertained.

212. *Basiliscus vittatus* Wiegmann, Isis, 21, p. 373, 1828. Banded Basilisk.

Hab. America : Mexico, and through Central America and Colombia, south to Ecuador.

Figs. Wiegmann, Herp. Mex. 1834, pl. 5. Biol. C.-Amer. Rept. 1885-1902, pl. 28 : uncoloured.

One presented 11 Feb. 1884, by Mr. A. Vidler.

Genus **Liolaemus** Wiegmann, Nova Acta Ac. Caes. Leop.-Carol. 17, 1, p. 227, 1835.

Species :

	Page
1. <i>nigromaculatus</i>	80
2. <i>tenuis</i>	80

213. *Liolaemus nigromaculatus* (Wiegmann). Nova Acta
Ac. Caes. Leop.-Carol. 17, 1, p. 229, 1835.
Chilian Black-spotted Lizard.
Hab. South America: Chile.
Figs. Bell, Zool. Voy. Beagle, pt. 5, Rept. 1843, pl. 4,
fig. 2, as *Proctotretus nigromaculatus*: uncoloured.
Girard, Wilkes, U.S. Explor. Exped. Herp. 1858,
pl. 28, figs. 26-33, as *Rhytidodeira oxycephala*.
Fifteen deposited 26 Aug. 1901.
214. *Liolaemus tenuis* (Duméril & Bibron), Erp. gén. 4,
p. 272, 1837.
Liolaemus tenuis.
Chilian Slender Lizard.
Hab. South America: Chile.
Figs. Bell, Zool. Voy. Beagle, pt. 5, Rept. 1843, pl. 3,
fig. 2, as *Proctotretus tenuis*: uncoloured. Girard,
Wilkes, U.S. Explor. Exped. Herp. 1858, pl. 28,
figs. 9-16, as *Eulaemus tenuis*.
Nine deposited 14 July, 1896.

Genus **Leiocephalus** J. E. Gray, Phil. Mag.
London (2), 2, p. 207, 1827.

Species :

	Page
1. <i>personatus</i>	80
2. <i>carinatus</i>	80

215. *Leiocephalus personatus* Cope, Proc. Ac. Nat. Sci.
Philad. 14, p. 182, 1862.
Leiocephalus personatus.
West Indian Masked Lizard.
Hab. West Indies: San Domingo.
Fig.
One deposited 11 Sept. 1906.
216. *Leiocephalus carinatus* J. E. Gray, Phil. Mag.
London (2), 2, p. 208, 1827.
Leiocephalus carinatus.
Cuban Keeled Lizard.

Hab. West Indies : Cuba.

Fig. Cocteau, in Ramon de la Sagra, *Hist. Cuba*, Rept. 1843, pl. 7, as *Holotropis microlophus*.

Two deposited 11 Sept. 1903.

Genus **Tropidurus** Wied, *Abbild. Nat. Brasil.* page (unnumbered) opposite Rept. pl. 11, 1822-1831, & *Beiträge Naturg. Brasil.* 1, p. 137, 1825.

Species :

	Page
1. <i>occipitalis</i>	81
2. <i>peruvianus</i>	81
3. <i>thomasi</i>	81
4. <i>torquatus</i>	82
5. <i>hispidus</i>	82

217. *Tropidurus occipitalis* (Peters), *Mon. Berlin Ac.* p. 645, 1871.

Peruvian Crested Lizard.

Hab. South America : Peru.

Fig.

Three presented 21 June, 1927, by Dr. B. Barnett, C.M.Z.S.

218. *Tropidurus peruvianus* (Lesson), *Voy. Coquille*, Rept. inscription pl. 2, 1826.

Lesson's Peruvian Lizard.

Hab. South America : Peru, Chile.

Fig. Lesson, *l. c. s.* pl. 2, fig. 2, as *Stellio peruvianus*.

Seven presented 21 June, 1927, by Dr. B. Barnett, C.M.Z.S.

219. *Tropidurus thomasi* G. A. Boulenger, *Ann. Mag. Nat. Hist.* (7) 6, p. 184, 1900.

Oldfield Thomas's Lizard.

Hab. South America : Peru.

Fig.

Seven presented 21 June, 1927, by Dr. B. Barnett, C.M.Z.S.

220. *Tropidurus torquatus* (Wied), Reise n. Brasil. 1, p. 106, 1820.

• Wied's Ring-necked Lizard.

Hab. South America: Guianas, Brazil.

Figs. Wied, Abbild. Nat. Brasil. 1822-1831, Rept. pl. 11, as *Stellio torquatus*. Spix, Spec. Nov. Lacert. Brasil. 1825, pl. 15, fig. 1, as *Agama tuberculata*.

Six presented 29 Sept. 1900, by Capt. A. Pam, F.Z.S.

221. *Tropidurus hispidus* (Spix), Spec. Nov. Lacert. Brasil. p. 12, 1825.

Taraguira Lizard.

Hab. South America: Brazil.

Figs. Spix, 1825, o. c. s. pl. 15, fig. 2, pl. 16, fig. 2, pl. 17, fig. 1, as *Agama hispida*, *A. nigrocollaris* and *A. cyclurus*.

One presented 14 June, 1879, by Dr. A. Stradling, C.M.Z.S.

Genus **Uraniscodon** Kaup, Isis, 18,
p. 89, 1826.

Species:

	Page
1. <i>plica</i>	82

222. *Uraniscodon plica* (Linnaeus), Syst. Nat. 1, p. 208, 1758.

Plica Lizard.

Hab. South America: from Peru and Ecuador to Venezuela and the Guianas, and the islands of Trinidad and Granada.

Fig. Spix, Spec. Nov. Lacert. Brasil. 1825, pl. 13, fig. 1, as *Lophyrus panthera*.

One presented 21 May, 1891, by Mr. R. R. Mole and Mr. F. W. Ulrich.

Genus **Conolophus** Fitzinger, Syst. Rept.
p. 55, 1843.

Species:

	Page
1. <i>subcristatus</i>	83

223. *Conolophus subcristatus* (J. E. Gray), Zool. Miscell. London, p. 6, 1831.
Galapagan Land-Iguana.
Hab. Galapagos Islands: Seymour Island.
Fig. Bell, Zool. Voy. Beagle, pt. 5, Rept. 1843, pl. 12, as *Amblyrynchus demarllii*: uncoloured.
Seven deposited 11 Oct. 1902, by the Hon. Walter Rothschild.

Genus **Metopoceros** Wagler, Syst. Amphib. p. 147, 1830.

Species :

	Page
1. <i>cornutus</i>	83

224. *Metopoceros cornutus* (Daudin), Hist. Nat. Rept. 3, p. 282, 1802.
Rhinoceros Iguana. Black Iguana.
Hab. West Indies: San Domingo.
Figs. T. Z. S. 11, 1882, pls. 43 & 44: uncoloured.
One presented 19 Sept. 1871, by Mr. J. B. Rowe.

Genus **Iguana** Laurenti, Syn. Rept. p. 47, 1768.

Species :

	Page
1. <i>iguana</i>	83
1A. <i>iguana rhinolopha</i>	84
2. <i>delicatissima</i>	84

225. *Iguana iguana* (Linnaeus), Syst. Nat. 1, p. 206, 1758.
Iguana tuberculata.

Linnean Iguana.

Hab. Tropical America: Brazil to Yucatan and the West Indies.

Figs. Spix, Spec. Nov. Lacert. Brasil. 1825, pls. 5-9, as *Iguana squamosa*, *I. viridis*, etc. Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 214, fig. 7: uncoloured.
E. G. Boulenger, Rept. & Batr. 1914, p. 70, fig. a: photograph.

First received in 1849, before 13 Nov. 1849.

- 225A. *Iguana iguana rhinolopha* Wiegmann, Herp. Mex. p. 44, 1834.

Nose-crested Iguana.

Hab. Tropical America: Central America and West Indies.

Fig. P. Z. S. 1850, Rept. pl. 3: head, uncoloured.

First received in 1850.

226. *Iguana delicatissima* Laurenti, Syn. Rept. p. 48, 1768.

Naked-necked Iguana.

Hab. Tropical America: West Indies.

Fig. Guérin, Icon. Règne Anim. Rept. 1829-1844, pl. 11, fig. 1, as *Iguana nudicollis* G. Cuvier 1829: uncoloured.

Two presented 3 July, 1868, by Mr. T. Ross.

Genus **Cyclura** Harlan, J. Ac. Nat. Sci. Philad. 4, p. 242, 1824.

Species:

	Page
1. <i>carinata</i>	84

227. *Cyclura carinata* Harlan, J. Ac. Nat. Sci. Philad. 4, p. 250, 1824.

Clouded Iguana. Turks Island Iguana.

Hab. West Indies.

Figs. Harlan, *l. c. s.* pl. 15: uncoloured. Ramon de la Sagra, Hist. Cuba, Rept. 1843, pl. 8, as *Cyclura harlani* Duméril & Bibron 1837. P. Z. S. 1848, Rept. pl. 1, as *Cyclura lophoma*: head, uncoloured. Bull. New York Zool. Soc. 31, 1928, pp. 126, 127: photographs.

One from Jamaica, identified as *Cyclura collei* J. E. Gray, Brit. Mus. Cat. Liz. p. 190, 1845, was presented 31 July, 1849, by Dr. Andrew Smith, F.Z.S.: it died 29 Dec. 1852, having lived in the Gardens 3 years 4 months 29 days.

Genus **Ctenosaura** Wiegmann, *Isis*, 21,
p. 371, 1828.

Species :

	Page
1. <i>acanthura</i>	85
2. <i>multispinis</i>	85
3. <i>hemilopha</i>	85
4. <i>erythromelas</i>	85

228. *Ctenosaura acanthura* (Shaw), *Gen. Zool.* 3, p. 216,
1802.
Spiny-tailed Iguana.
Hab. North America : Mexico.
Figs. Wiegmann, *Herp. Mex.* 1834, pl. 3, as *Cyclura*
denticulata. J. W. Bailey, *Proc. U.S. Nat. Mus.*
73, 1928, pls. 1-4 : photographs.
One deposited 3 Aug. 1898.
229. *Ctenosaura multispinis* Cope, *Proc. Amer. Philos.*
Soc. 23, p. 197, 1885. v. J. W. Bailey, *Proc. U.S.*
Nat. Mus. 73, 12 (2733), pp. 10, 13, 1928. *C. multi-*
spinis considered to be the adult form of *C. acanthura*.
Mexican Black Iguana.
Hab. North America : Mexico.
Four purchased 8 July, 1926.
230. *Ctenosaura hemilopha* Cope, *Proc. Ac. Nat. Sci.*
Philad. 1863, p. 105.
Dugès's Iguana.
Hab. North America : Lower California.
Figs. Blainville, *Nouv. Ann. Mus. Hist. Nat. Paris*,
4, 1835, pl. 24, fig. 1, as *Iguana (Cyclura) acanthura*.
Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 239,
fig. 17 : head, etc., uncoloured.
One purchased 3 July, 1883.
231. *Ctenosaura erythromelas* G. A. Boulenger, *Proc.*
Zool. Soc. London, 1886, p. 241.
Red-and-black Spiny-tailed Iguana.

Hab. Central America? Mexico?

Figs. P. Z. S. 1886, pl. 23. E. G. Boulenger, Rept. & Batr. 1914, p. 70, fig. *b*: photograph.

A male purchased 3 April, 1886, from Mr. W. Cross, was the type of the species; it had no known locality.

Genus **Dipsosaurus** Hallowell, Proc. Ac. Nat. Sci. Philad. 7, p. 92, 1854.

Species:

	Page
1. <i>dorsalis</i>	86

232. *Dipsosaurus dorsalis* (Baird & Girard), Proc. Ac. Nat. Sci. Philad. 6, p. 126, 1852.

Desert Pygmy Iguana. Crested Desert Lizard.

Hab. North America: California and Lower California.

Fig. Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 243, fig. 18: head, etc., uncoloured. Bull. New York Zool. Soc. 31, 1928, p. 128: photograph.

One deposited 13 Nov. 1919.

Genus **Sauromalus** A. Duméril, Arch. Mus. Hist. Nat. Paris, 8, p. 535, 1856.

Species:

	Page
1. <i>ater</i>	86

233. *Sauromalus ater* A. Duméril, Arch. Mus. Hist. Nat. Paris, 8, p. 536, 1856.

Chuck-walla Lizard.

Hab. North America: Lower California.

Figs. A. Duméril *l. c. s.* pl. 23, fig. 3: head, etc., uncoloured. Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 266, fig. 23, as *S. ater*, is of an allied species, *S. obesus* (Baird) 1858.

Two purchased 25 June, 1926.

Genus **Crotaphytus** Holbrook, N. Amer. Herp. ed. 2, 2, p. 79, 1842.

Species:

	Page
1. <i>collaris</i>	87
2. <i>wislizenii</i>	87

234. *Crotaphytus collaris* (Say), in Long, Exp. Rocky Mts. 2, p. 252, 1823.

Collared Lizard. Mountain Boomer. Grey Nellie!

Hab. North America: Missouri, Arkansas and Texas to Idaho and California, south to Lower California and northern Mexico.

Figs. Holbrook, N. Amer. Herp. 2, 1842, pl. 10. Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 248, fig. 19: head, etc., uncoloured. Bull. New York Zool. Soc. 31, 1928, p. 128: photograph.

One purchased 4 July, 1914.

235. *Crotaphytus wislizenii* Baird & Girard, in Stansbury, Expl. Surv. Vall. Great Salt Lake, p. 340, 1852.

Crotaphytus wislizenii G. A. Boulenger, Brit. Mus. Cat. Liz. 2, p. 204, 1885.

Leopard-Lizard.

Hab. North America: from Idaho and California, southward to Lower California and Mexico.

Figs. Baird & Girard *l. c. s.* pl. 3: uncoloured. Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 256, fig. 21: head, etc., uncoloured.

One presented 18 Feb. 1879, by Lt.-Col. R. Vivian, F.Z.S.

Genus **Holbrookia** Girard, Proc. Amer. Assoc. Adv. Sci. New Haven, 4, p. 201, 1851.

Species :

	Page
1. <i>maculata</i>	87

236. *Holbrookia maculata* Girard, Proc. Amer. Assoc. Adv. Sci. New Haven, 4, p. 201, 1851.

Holbrook's Spotted Lizard. Sand Swift. Cactus Lizard.

Hab. North America: from Wyoming and Nebraska south to Arizona, Texas and Mexico.

Figs. Ann. Rep. U.S. Nat. Mus. 1898 (1900), pp. 292, 294, 298, figs. 32, 33, 34: heads, feet, etc., uncoloured, of three races.

Six presented 3 Nov. 1882, by Mr. S. Garman.

Genus **Uta** Baird & Girard, in Stansbury,
Expl. Surv. Vall. Great Salt Lake,
p. 344, 1852.

Species :

	Page
1. <i>degans</i>	88
2. <i>graciosa</i>	88

237. *Uta elegans* Yarrow, Proc. U.S. Nat. Mus. 5, p. 442,
1882.

Elegant Brush-Swift Lizard.

Hab. North America : Lower California.

Fig.

One presented 30 Aug. 1898, by Mr. J. B. Toone, re-
corded as of this species.

238. *Uta graciosa* (Hallowell), Proc. Ac. Nat. Sci. Philad.
1, p. 92, 1854.

Graceful Brush-Swift Lizard. Long-tailed Swift.

Hab. North America : California, Nevada and Arizona.

Fig. Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 326,
fig. 46 : head, etc., uncoloured.

Two presented 21 May, 1927, by Mr. A. Föehl.

Genus **Sceloporus** Weigmann, Isis, 21,
p. 369, 1828.

Species :

	Page
1. <i>torquatus</i>	88
2. <i>spinosus</i>	89
3. <i>undulatus</i>	89
4. <i>thayerii</i>	89
5. <i>graciosus</i>	90
6. <i>microlepidotus</i>	90
7. <i>variabilis</i>	90

239. *Sceloporus torquatus* Greene & Peale, J. Ac. Nat.
Sci. Philad. 6, 1827. v. Cope, Ann. Rep. U.S.
Nat. Mus. 1898 (1900), p. 347.

Collared Fence-Lizard. Poinsett's Lizard.

Hab. North America : Mexico and southern United
States, where the form *Sceloporus torquatus poinsetti*
Baird & Girard 1852 occurs from Texas to Arizona

Figs. J. E. Gray, Zool. Beechey Voy. Blossom, 1839, pl. 30, fig. 2. as *Tropidolepis torquatus*. Ann. Rep. U.S. Nat. Mus. 1898 (1900), pp. 348, 350, figs. 50, 51: heads, etc., uncoloured.
Five *S. t. poinsettii* received in exchange 29 Oct. 1901.

240. *Sceloporus spinosus* Wiegmann, Isis, 21, p. 370, 1828.

Spiny Fence-Lizard.

Hab. North America: Mexico and southern United States, from New Mexico to Florida—*Sceloporus spinosus floridanus* Baird 1858.

Figs. Ann. Rep. U.S. Nat. Mus. 1898 (1900), pp. 364, 366, figs. 55, 56: heads, etc., uncoloured.

Two purchased 22 July, 1913.

241. *Sceloporus undulatus* (Latreille), Hist. Nat. Rept. 2, p. 40, 1802.

Alternative name *Sceloporus undulatus undulatus*.

Pine-Lizard. Fence-Lizard. Grey Lizard. Spiny Swift.

Hab. North America: eastern United States, New Jersey to Florida.

Figs. Holbrook, N. Amer. Herp. 2, 1842, pl. 9, as *Tropidolepis undulatus*. Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 369, fig. 57: head, etc., uncoloured.
E. G. Boulenger, Rept. & Batr. 1914, p. 65, fig. C: photograph.

One deposited 5 Feb. 1900.

242. *Sceloporus thayerii* Baird & Girard, Proc. Ac. Nat. Sci. Philad. 6, p. 127, 1852.

Sceloporus consobrinus Baird & Girard 1853.

Alternative name *Sceloporus undulatus thayerii*.

Thayer's Fence-Lizard. Yellow-banded Swift.

Hab. North America: United States from north Dakota, southward to Texas, and westward to California.

Fig. P. Z. S. 1882, pl. 61, as *S. garmani*.

Five presented 3 Nov. 1882, by Dr. S. Garman, were the types of *Sceloporus garmani* G. A. Boulenger, Proc. Zool. Soc. London, 1882, p. 761.

243. *Sceloporus graciosus* Baird & Girard, in Stansbury, Expl. Surv. Vall. Great Salt Lake, p. 346, 1852.
 v. Stejneger & Barbour, Check List N. Amer. Rept. ed. 2, pp. 55, 56, 1923.
 Graceful Fence-Lizard. Mountain Swift.
Hab. North America: western United States from Washington to Oklahoma and California, and in Lower California.
Figs. Ann. Rep. U.S. Nat. Mus. 1898 (1900), pp. 387, 390, figs. 63, 64: heads, etc., uncoloured, of *S. graciosus gracilis* and *S. graciosus vandenburghianus*.
 One purchased 17 July, 1925.
244. *Sceloporus microlepidotus* Wiegmann, Herp. Mex. 1, p. 51, 1834.
 Small-scaled Fence-Lizard.
Hab. North America: Mexico.
Fig. Bocourt, Miss. Sc. Mex. Rept. 1870, pl. 18 bis, fig. 13: head, uncoloured.
 One presented 14 May, 1860, by Mr. Jamrach.
245. *Sceloporus variabilis* Wiegmann, Herp. Mex. 1, p. 51, 1834.
 Variable Fence-Lizard.
Hab. Central and North America: Guatemala, Mexico and Texas.
Fig. Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 399, fig. 67: head, etc., uncoloured.
 Two deposited 18 Sept. 1901.

Genus **Phrynosoma** Wiegmann, Isis,
 21, p. 367, 1828.

Species:

	Page
1. <i>douglassii</i>	91
2. <i>brevicornis</i>	91
3. <i>orbicularis</i>	91
4. <i>coronatum</i>	91
5. <i>blainvillii</i>	92
6. <i>solare</i>	92
7. <i>cornutum</i>	92
8. <i>modestum</i>	93

246. *Phrynosoma douglassii* (Bell), Trans. Linn. Soc. London, 16, p. 105, 1833.

Douglass's Horned-Lizard. "Horn-Toad" (in America).

Hab. North America: typically from Washington and Oregon; local races extend the range of this species south to Arizona and Texas.

Figs. Bell, *l. c. s.* pl. 10: uncoloured, as *Agama douglassii*. Ann. Rep. U.S. Nat. Mus. 1898 (1900), pp. 412, 413, 416, figs. 69, 70, 71: heads and details, uncoloured.

Eight presented 3 Nov. 1882, by Dr. S. Garman.

247. *Phrynosoma brevicornis* E. G. Boulenger, Proc. Zool. Soc. London, 1916, p. 537.

Short-horned Horned-Lizard.

Hab. North America: Texas.

Fig. P. Z. S. 1916, pl. 1: photographs.

One presented 3 May, 1916, by Dr. G. H. F. Spurrell, F.Z.S., and Prof. J. S. Huxley was the type of the species.

248. *Phrynosoma orbicularis* (Linnaeus), Syst. Nat. 1, p. 206, 1758.

Phrynosoma orbiculare Wiegmann, Isis, 21, p. 367, 1828.

Rounded Horned-Lizard.

Hab. North America: Mexico.

Figs. Gravenhorst, Nova Acta Ac. Caes. Leop.-Carol. 16, 2, 1833, pl. 63: uncoloured. Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 418, fig. 72: head, etc., uncoloured.

One presented 4 Nov. 1882, by Mr. A. Mapleson.

249. *Phrynosoma coronatum* (Blainville), Nouv. Ann. Mus. Hist. Nat. Paris, 4, p. 284, 1835.

Crowned Horned-Lizard.

Hab. North America : Lower California.

Figs. Blainville, *l. c. s.* pl. 25, fig. 1. Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 431, fig. 76 : head, etc., uncoloured.

One presented 10 Jan. 1883, by Mr. M. R. de Selincourt.

250. *Phrynosoma blainvillii* J. E. Gray, Zool. Beechey Voy. Blossom, p. 96, 1839.

Blainville's Horned-Lizard.

Hab. North America : California and northern Lower California.

Figs. Gray, *l. c. s.* pl. 29, fig. 1. Holbrook, N. Amer. Herp. 2, 1842, pl. 13, as *P. coronata*. Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 424, fig. 74 : head, etc., uncoloured.

One presented 20 Oct. 1896, by Miss N. Lewis.

251. *Phrynosoma solare* J. E. Gray, Brit. Mus. Cat. Liz. p. 229, 1845.

Phrynosoma regale.

Regal Horned-Lizard.

Hab. North America : southern Arizona and northern Lower California and Mexico.

Fig. Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 421, fig. 73 : head, etc., uncoloured.

Two presented 17 Oct. 1921, by Mr. E. Newitt.

252. *Phrynosoma cornutum* (Harlan), J. Ac. Nat. Sci. Philad. 4, p. 299, 1825. *v.* Stejneger & Barbour, Check List N. Amer. Rept. ed. 2, p. 61, 1923.

Harlan's Horned-Lizard. "Horn-Toad" (in America).

Hab. North America : from Kansas to the northern States of Mexico, and west to Colorado and New Mexico.

Figs. Holbrook, Herp. N. Amer. 2, 1842, pl. 11, & pl. 12, as *P. orbiculare*. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 433, fig. 77: head, etc., uncoloured. E. G. Boulenger, Rept. & Batr. 1914, p. 70, fig. C: photograph.

Four presented 5 July, 1851, by Mrs. Phillips.

253. *Phrynosoma modestum* Girard, in Stansbury, Expl. Surv. Vall. Great Salt Lake, p. 361, 1852. v. Stejneger & Barbour, Check List. N. Amer. Rept. ed. 2, p. 63, 1923.

Lesser Horned-Lizard.

Hab. North America: Texas to Arizona, and northern Mexico.

Fig. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 437, fig. 78, as *Anota modesta*: head, etc., uncoloured.

Six received in exchange 29 Oct. 1901.

Family AGAMIDAE.

Genera:

	Page		Page
1. <i>Lyriocephalus</i>	93	6. <i>Physignathus</i>	99
2. <i>Calotes</i>	94	7. <i>Chlamydosaurus</i>	100
3. <i>Agama</i>	95	8. <i>Leiolepis</i>	100
4. <i>Phrynocephalus</i>	97	9. <i>Uromastyx</i>	101
5. <i>Amphibolurus</i>	98	10. <i>Moloch</i>	103

Genus **Lyriocephalus** Merrem, Tent. Syst. Amph. p. 49, 1820.

Species:

	Page
1. <i>scutatus</i>	93

254. *Lyriocephalus scutatus* (Linnaeus), Syst. Nat. 1, p. 201, 1758.

Knob-nosed Lizard.

Hab. Ceylon.

Fig. J. E. Gray, Illustr. Ind. Zool. 2, 1834, pl. 68, fig. 1, as *L. macgregorii*.

Five presented 11 March, 1872, by Mr. H. M. Moseley.

Genus **Calotes** G. Cuvier, Règne Anim. 2,
p. 35, 1817.

Species :

	Page
1. <i>cratellus</i>	94
2. <i>versicolor</i>	94
3. <i>emma</i>	94
4. <i>mystaceus</i>	95
5. <i>calotes</i>	95

255. *Calotes cratellus* (Kuhl), Beitr. Zool. pt. 2, p. 108,
1820.

Londok Lizard. Sumpah-sumpah and "Chameleon"
(in Malaya).

Hab. South-east Asia: Malay Peninsula and Archi-
pelago, and has been recorded from Tenasserim and
south Annam.

Fig. J. F. Obbes, in N. de Rooij, Rept. Indo-Austr.
Archip. 1, 1915, p. 121, fig. 53: uncoloured.

Two presented 15 Aug. 1885, by Dr. F. H. Bauer,
C.M.Z.S.

256. *Calotes versicolor* (Daudin), Hist. Nat. Rept. 3,
p. 395, 1802.

Indian Changeable Lizard. Harlequin Lizard.

Hab. South Asia: from Baluchistan, India and Ceylon
to southern China and the Malay Peninsula.

Figs. Daudin, *l.c.s.* pl. 44. G. A. Boulenger, Faun.
Malay Pen. Rept. 1912, p. 72, fig. 20: uncoloured.

E. G. Boulenger, Rept. & Batr. 1914, p. 60, upper
fig.: photograph.

Two deposited 13 March, 1886.

257. *Calotes emma* J. E. Gray, Brit. Mus. Cat. Liz. p. 244,
1845.

Emma's Lizard (named after Mrs. Maria Emma Gray).

Hab. South-east Asia: Burma to Siam and the Malay
Peninsula.

Fig. G. A. Boulenger, Brit. Mus. Cat. Liz. 1, 1885,
pl. 25, fig. 1: uncoloured.

Six presented 20 Oct. 1896, by Mr. W. G. Bligh.

258. *Calotes mystaceus* Duméril & Bibron, Erp. gén. 4, p. 408, 1837.

Moustached Lizard.

Hab. South-east Asia: Ceylon, Burma, Siam and the Nicobar Islands.

Fig.

Twenty-three presented 9 Aug. 1926, by Mr. H. L. Holman-Hunt, C.I.E., C.M.Z.S.

259. *Calotes calotes* (Linnaeus), Syst. Nat. 1, p. 207, 1758.

Calotes ophiomachus.

Helmed Lizard.

Hab. Ceylon, southern India and Nicobar Islands.

Fig. Daudin, Hist. Nat. Rept. 3, 1802, pl. 43.

One deposited 8 May, 1880.

Genus **Agama** Daudin, Hist. Nat. Rept. 3, p. 333, 1802.

Species:

	Page
1. <i>mutabilis</i>	95
2. <i>hispidia</i>	96
3. <i>atra</i>	96
4. <i>spinosa</i>	96
5. <i>agama</i>	96
6. <i>atricollis</i>	97
7. <i>stellio</i>	97

260. *Agama mutabilis* Merrem, Tent. Syst. Amphib. p. 50, 1820.

Agama inermis. Agama ruderata.

Egyptian Changeable Lizard.

Hab. North Africa: Algeria to Egypt, west of the Nile only.

Fig. Anderson, Zool. Egypt, Rept. 1898, pl. 9: uncoloured.

Appears to have been first received in 1849 from the Hon. Charles A. Murray.

Two presented 10 July, 1924, by Prof. E. Hindle, F.Z.S., were registered as *Agama latastii* G. A. Boulenger, Brit. Mus. Cat. Liz. 1, p. 344, 1885.

261. *Agama hispida* (Linnaeus), Syst. Nat. 1, p. 205, 1758.
 • Bristly Lizard.
Hab. South Africa: the Cape Province, with subspecies or local races ranging north to Angola and northern Rhodesia and east to Natal and Portuguese East Africa.
Figs. Brit. Mus. Cat. Liz. 1, 1885, pl. 28, fig. 1: uncoloured, *A. hispida brachyura* G. A. Boulenger 1885. Peters, Reise Mossamb. 3, 1882, pl. 7, fig. 2, *A. hispida armata* Peters 1854.
 One presented 18 July, 1890, by Mr. H. A. Spencer.
262. *Agama atra* Daudin, Hist. Nat. Rept. 3, p. 349, 1802.
Agama aculeata Merrem, Tent. Syst. Amphib. p. 53, 1820.
 Somber Agama-Lizard.
Hab. South Africa: from the Cape Province to Damaraland, southern Rhodesia and the Transvaal.
Fig.
 Eight received 29 Aug. 1927, collected by Mr. H. B. Cott, F.Z.S.
263. *Agama spinosa* J. E. Gray, in Griffith, Anim. Kingd. 9, Syn. p. 57, 1831.
 Gray's Agama-Lizard.
Hab. North-east and east Africa: eastern Nubia, Abyssinia.
Figs. Anderson, Zool. Egypt, Rept. 1908, pl. 10, figs. 2 & 3: uncoloured.
 One purchased 21 Dec. 1921.
264. *Agama agama* (Linnaeus), Syst. Nat. 1, p. 207, 1758.
Agama colonorum Daudin, Hist. Nat. Rept. 3, p. 356, 1802. Brit. Mus. Cat. Liz. 1, p. 356, 1885.
 Margouillat Lizard.

Hab. Tropical Africa: from Senegambia south to Angola, and east to the Upper Nile and East Africa.

Fig. K. P. Schmidt, Bull. Amer. Mus. Nat. Hist. 39, 1919, pl. 18, fig. 2: photograph.

Appears to have been received in 1849, but the first definite records are of one purchased 7 June, 1873, and one presented 29 June, 1873, by Lady Cust, which was entered as *Agama occipitalis*.

265. *Agama atricollis* A. Smith, Illustr. Zool. S. Afr. Rept. App. p. 14, 1849.

Black-necked Agama-Lizard.

Hab. South and East Africa: north to Ruwenzori and the eastern Ituri district.

Fig. K. P. Schmidt, Bull. Amer. Mus. Nat. Hist. 39, 1919, pl. 18, fig. 1: photograph.

Two presented 8 Feb. 1899, by Mr. W. Champion, F.Z.S.

266. *Agama stellio* (Linnaeus), Syst. Nat. 1, p. 202, 1758. Starred Lizard.

Hab. Levant countries: Greece, Cyclades, Asia Minor, Syria, Palestine, Sinai and northern Lower Egypt.

Fig. Anderson, Zool. Egypt, Rept. 1908, p. 123, fig. 7: uncoloured.

Individuals from Egypt were first received 29 June, 1849, from the Hon. Charles A. Murray. Eight from Salonika were presented in Dec. 1918, by Capt. W. D. Motton and Dr. G. H. Colt, F.R.C.S.

Genus **Phrynocephalus** Kaup, Isis, 16,
p. 591, 1825.

Species:

	Page
1. <i>helioscopus</i>	97

267. *Phrynocephalus helioscopus* (Pallas), Reise v. P. Russ. Reich. 1, p. 457, 1771.

Persian Agama-Lizard. Sand-Agama.

Hab. West Asia : Persia, Turkestan and south-west Siberia, extending into south-east Russia.

Fig. Anderson, P. Z. S. 1872, p. 388, fig. 5, as *Phrynocephalus persicus* Filippi 1862: uncoloured.

Four presented 6 Oct. 1883, by Dr. A. Strauch, F.M.Z.S.

Genus **Amphibolurus** Wagler, Syst. Amphib.
p. 145, footnote 1, 1820.

Species :

	Page
1. <i>decrezii</i>	98
2. <i>diemensis</i>	98
3. <i>muricatus</i>	99
4. <i>barbatus</i>	99

268. *Amphibolurus decrezii* (Duméril & Bibron), Erp.
gén. 4, p. 472, 1837.

Decres's Lizard. Tawny Dragon (in Australia).

Hab. South Australia.

Fig. Duméril & Bibron, l. c. s. pl. 41 bis, fig. 1, as *Grammatophora decrezii*.

One presented 9 June, 1908, by the Government of New South Wales.

269. *Amphibolurus diemensis* (J. E. Gray), in Grey,
Journ. Exped. disc. Australia, 2, p. 439, 1841.

Amphibolurus angulifer (J. E. Gray), Brit. Mus.
Cat. Liz. p. 252, 1845.

Van Diemen's Lizard. Lozenge-marked Lizard.

Hab. Australia : Tasmania and south-east Australia.

Fig. J. E. Gray, Zool. Erebus & Terror, Rept. 1845,
pl. 18, fig. 3, as *Grammatophora angulifera*: un-
coloured.

One purchased 2 June, 1873.

270. *Amphibolurus muricatus* (Shaw), in White, Journ. Voy. New South Wales, App. p. 244, 1790.
Shaw's Lizard. Common Dragon or "Bloodsucker"
(in Australia).
Hab. Australia and Tasmania.
Figs. White, *l. c. s.* pl. 31, fig. 1: uncoloured. Bull. New York Zool. Soc. 31, 1928, p. 103: photograph.
Three received in exchange 23 April, 1890.
271. *Amphibolurus barbatus* (G. Cuvier), Règne Anim. ed. 2, 2, p. 35, 1829.
Bearded Lizard. Bearded Dragon, or Jew Lizard (in Australia).
Hab. Australia: widely distributed from West Australia to New South Wales.
Figs. J. E. Gray, Zool. Erebus & Terror, Rept. 1845, pl. 18, fig. 1, as *Grammatophora barbata*: uncoloured. Vict. Nat. Melbourne, 42, 7, 1925, pl. 6: photograph.
First received in 1856 or 1857.

Genus **Physignathus** G. Cuvier, Règne Anim. ed. 2, 2, p. 41, 1829, as *Physignathes*.

Species :

	Page
1. <i>lesueurii</i>	99

272. *Physignathus lesueurii* (J. E. Gray), in Griffith, Anim. Kingd. 9, Syn. p. 60, 1831.
Lesueur's Water-Lizard. "Gippsland Alligator."
Hab. Eastern Australia: Victoria to Queensland. Also reported from New Guinea.
Figs. Duméril & Bibron, Erp. gén. 4, 1837, pl. 40, as "Istiuere de Le Sueur." E. G. Boulenger, Rept. & Batr. 1914, p. 64, fig. a: photograph. N. de Rooij, Rept. Indo-Austr. Archip. 1, 1915, p. 133, fig. 57: uncoloured.
One received in exchange 27 April, 1893.

Genus **Chlamydosaurus** J. E. Gray, in King,
Narrative Survey Coast Australia,
2, p. 424, 1826.

Species :

	Page
1. <i>kingii</i>	100

273. *Chlamydosaurus kingii* J. E. Gray, in King,
Narrative Survey Coast Australia, 2, p. 425, 1826.
Frisled Lizard.

Hab. Australia and New Guinea.

Fig. P. Z. S. 1895, pl. 41.

One presented 22 July, 1895, by Mr. W. Saville] Kent,
F.Z.S.

This species was named after Capt. Phillip Parker
King, R.N., F.R.S.

Genus **Leiolepis** G. Cuvier, Règne Anim.
ed. 2, 2, p. 37, 1829.

Species :

	Page
1. <i>belliana</i>	100

274. *Leiolepis belliana* (J. E. Gray), Zool. Journ. London,
3, p. 220, 1827.

Liiolepis belliana. *Liiolepis bellii.*

Bell's Lizard.

Hab. South-east Asia : in sandy localities in southern
India, and from south China and Hainan to the
Malay Peninsula, Sumatra and Banka.

Figs. J. E. Gray, Illustr. Ind. Zool. 2, 1833-1834,
pl. 72, as *Uromastix belliana*. Annandale & Robin-
son, Fasc. Malay. Zool. 1, 1903, pl. 10, fig. 2 : juv.,
uncoloured. N. de Rooij, Rept. Indo-Austr.
Archip. 1, 1915, p. 136, fig. 60 : uncoloured.

Three presented 20 Oct. 1896, by Mr. W. G. Bligh.

Genus **Uromastyx** Merrem, Tent. Syst.
Amphib. p. 56, 1820.

Species :

	Page
1. <i>ocellatus</i>	101
2. <i>egyptius</i>	101
3. <i>acanthinurus</i>	101
4. <i>microlepis</i>	102
5. <i>hardwickii</i>	102
6. <i>loricatus</i>	102

275. *Uromastyx ocellatus* Lichtenstein, Verz. Doubl.
Mus. Berlin p. 107, 1823.

Uromastix ocellatus.

Eyed Dabb-Lizard.

Hab. North-east Africa : the Dongola and Red Sea
Provinces of the Sudan.

Fig. Anderson, Zool. Egypt, Rept. 1898, pl. 12.

Six presented 26 April, 1894, by Dr. J. Anderson,
F.R.S., F.Z.S.

276. *Uromastyx aegyptius* (Forskål), Descr. Anim. p. 13,
1775.

Uromastix spinipes G. A. Boulenger, Brit. Mus.
Cat. Liz. 1, p. 407, 1885.

Egyptian Dabb-Lizard.

Hab. Egypt, Arabia and Crete.

Figs. Anderson, Zool. Egypt, Rept. 1898, pl. 14, as
Uromastix aegyptius. E. G. Boulenger, Rept. &
Batr. 1914, p. 64, fig. b : photograph.

One presented 29 June, 1849, by the Hon. Charles A.
Murray.

277. *Uromastyx acanthinurus* Bell, Zool. Journ. London,
1, p. 457, 1825.

Uromastix acanthinurus.

Bell's Dabb-Lizard.

Hab. North Africa: Morocco, Algeria and, very locally, in Nubia.

Figs. Bell, *l. c. s.* pl. 17: uncoloured. Anderson, Zool. Egypt, Rept. 1898, pl. 15.

One from Mogador, presented early in 1833 (before 12 Feb. 1833) by Mr. W. Willshire, C.M.Z.S.

278. *Uromastyx microlepis* W. T. Blanford, Proc. Zool. Soc. London, 1874, p. 658.

Uromastix microlepis.

Small-scaled Dabb-Lizard.

Hab. Asia: countries at head of Persian Gulf.

Fig. P. Z. S. 1874, pl. 80: uncoloured.

Three from near Basreh, presented 4 Aug. 1874, by Capt. Phillips, S.S. 'Mesopotamia,' were the types of the species.

279. *Uromastyx hardwickii* J. E. Gray, Zool. Journ. London, 3, p. 219, 1827.

Uromastix hardwickii.

General Hardwicke's Lizard.

Hab. India: North-west India and Baluchistan.

Figs. J. E. Gray, Illustr. Ind. Zool. 2, 1833-1834, pl. 71. G. A. Boulenger, Faun. Brit. Ind. Rept. 1890, p. 157, fig. 45: uncoloured.

Two presented 23 Dec. 1874, by Lieut.-Col. C. S. Sturt, C.M.Z.S.

280. *Uromastyx loricatus* (W. T. Blanford), Proc. Zool. Soc. London, 1874, p. 660.

Uromastix loricatus.

Persian Dabb-Lizard.

Hab. Persia.

Fig. Brit. Mus. Cat. Liz. 1, 1885, pl. 32: uncoloured.

Two deposited 2 Aug. 1898.

Genus **Moloch** J. E. Gray, in Grey, Journ.
Exped. disc. Australia, 2, p. 440, 1841.

Species:

	Page
1. <i>horridus</i>	103

281. *Moloch horridus* J. E. Gray, in Grey, Journ. Exped.
disc. Australia, 2, p. 441, 1841.

Moloch Lizard. Thorny Devil (in Australia).

Hab. Australia.

Figs. J. E. Gray, *l.c.s.* pl. 2: uncoloured. E. G.
Boulenger, Rept. & Batr. 1914, p. 64, fig. c:
photograph.

One presented 11 June, 1866, by Mr. S. S. Travers.

Family CHAMAELEONTIDAE.

Genus:

	Page
1. <i>Chamaeleon</i>	103

Genus **Chamaeleon** L. T. Gronovius, Zooph.
1, p. 12, 1763. v. Sherborn, Index Anim. 1,
p. 199, 1902.

Species:

	Page		Page
1. <i>chamaeleon</i>	103	9. <i>bitaeniatus</i>	106
2. <i>calcarifer</i>	104	10. <i>deremensis</i>	106
3. <i>calcaratus</i>	104	11. <i>verrucosus</i>	106
4. <i>basiliscus</i>	104	12. <i>pollenii</i>	107
5. <i>senegalensis</i>	104	13. <i>fischeri</i>	107
6. <i>gracilis</i>	105	14. <i>jacksoni</i>	107
7. <i>dilepis</i>	105	15. <i>taeniabronchus</i>	107
8. <i>quitenis</i>	105	16. <i>pumilus</i>	108

282. *Chamaeleon chamaeleon* (Linnaeus), Syst. Nat. 1,
p. 204, 1758.

Chamaeleon vulgaris.

Chameleon.

Hab. Countries bordering the Mediterranean Sea : southern Spain, Africa from Morocco to Egypt, Sinai, Palestine, Syria, Asia Minor, Cyprus, Chios and Samos, and has been introduced into the Canary Islands.

Fig. Anderson, Zool. Egypt, Rept. 1898, pl. 29.

One presented 29 June, 1849, by the Hon. Charles A. Murray.

283. *Chamaeleon calcarifer* Peters, Mon. Berl. Ac. 1870, p. 110, for name; *o. c.* 1869, p. 445, for description.
Spurred Chameleon.

Hab. Southern Arabia.

Fig. Peters, Reise Mossamb. 3, 1882, pl. 4, A.

One, caught at Aden 15 March, 1885, presented 3 June, 1885, by Lt.-Col. J. W. Yerbury, R.A.

284. *Chamaeleon calcaratus* Merrem, Tent. Syst. Amphib. p. 162, 1820.

Indian Chameleon.

Hab. India : wooded districts of central and peninsular India, and Ceylon.

Figs. Brit. Mus. Cat. Liz. 3, 1887, pl. 39, fig. 2 : head, uncoloured. G. A. Boulenger, Faun. Brit. Ind. Rept. 1890, p. 231, figs. 66 & 67 : head, tongue and hand, uncoloured.

One presented 11 May, 1918, by Mr. A. M. Kinloch.

285. *Chamaeleon basiliscus* Cope, Proc. Ac. Nat. Sci. Philad. p. 316, 1868. *v.* Anderson, Zool. Egypt, Rept. p. 230, 1898.

Basilisk Chameleon.

Hab. North-eastern Africa : Egypt (in western Delta only), Nubia, Sudan, Abyssinia and, probably, Somaliland.

Fig. Anderson, Zool. Egypt, Rept. 1898, pl. 31.

One presented 1 Aug. 1895, by Mr. J. Buchanan.

286. *Chamaeleon senegalensis* Daudin, Hist. Nat. Rept. 4, p. 203, 1802.

Senegal Chameleon.

Hab. West Africa: from Senegal to the Gaboon.

Figs. Duméril & Bibron, *Erp. gén.* 3, 1836, pl. 27, fig. 2: head and tongue. Werner, *Zool. Jahrb.* 15, Abth. f. Syst. Prod. Mon. Cham. 1902, pl. 17, lower fig.: uncoloured.

One presented 24 June, 1881, by Mr. J. Sexton.

287. *Chamaeleon gracilis* Hallowell, *J. Ac. Nat. Sci. Philad.* (1)7, p. 111, Oct. 1841. v. Sherborn, *Index Anim.* 2, pt. 11, p. 2772, 1926.

Graceful Chameleon.

Hab. Tropical Africa: from the Gambia to Angola, and eastward to the Upper Nile, Tanganyika, Lake Rudolf and Somaliland.

Figs. *Brit. Mus. Cat. Liz.* 3, 1887, pl. 39, fig. 4: head, uncoloured. Werner, *Prod. Mon. Cham.* 1902, pl. 18: uncoloured. K. P. Schmidt, *Bull. Amer. Mus. Nat. Hist.* 39, 1919, pl. 30, fig. 1: photograph.

One presented 18 July, 1922, by Capt. C. H. Armitage, C.M.G., D.S.O., F.Z.S.

288. *Chamaeleon dilepis* Leach, in Bowditch, *Mission to Ashantee*, p. 493, 1819.

Alternative name *Chamaeleon dilepis dilepis*.

Flap-necked Chameleon.

Hab. Tropical Africa: from the Gaboon to Angola, eastward to Mashonaland, Portuguese East Africa, East Africa and Somaliland.

Fig. *Brit. Mus. Cat. Liz.* 3, 1887, pl. 39, fig. 6: head, uncoloured.

One presented 25 May, 1861, by Sir George Grey, K.C.B.

289. *Chamaeleon quilensis* Barboza du Bocage, *Jorn. Sc. Lisboa*, 1, p. 59, 1866. v. G. A. Boulenger, *Proc. Zool. Soc. London*, 1900, p. 450.

Chamaeleon parvilobus G. A. Boulenger, *Brit. Mus. Cat. Liz.* 3, p. 449, 1887.

Alternative name *Chamaeleon dilepis quilensis*.

Small-lobed Chameleon.

Hab. Tropical and South Africa : from the Cameroons and East Africa southwards to the Cape.

Figs. Brit. Mus. Cat. Liz. 3, 1887, pl. 39, fig. 5 : head, uncoloured. E. G. Boulenger, Rept. & Batr. 1914, p. 92, fig. b : photograph.

One presented 22 Aug. 1892, by Mr. C. W. Heaton.

290. *Chamaeleon bitaeniatus* Fischer, Jahrb. Hamburg. Wiss. Anst. 1, p. 23, 1884.

Two-banded Chameleon.

Hab. East Africa : in mountain ranges.

Figs. Fischer, o. c. s. pl. 2. Steindachner, SitzBer. Ak. Wiss. Wien, 1891, pl. B, fig. 1.

An individual of *Chamaeleo bitaeniatus hoehnelii* Steindachner 1891, from Aberdare Mountains, Kenya Colony, presented 13 Aug. 1926, by Capt. A. T. A. Ritchie, M.C., F.Z.S.

291. *Chamaeleon deremensis* Matschie, SitzBer. Ges. naturf. Fr. Berlin, 1892, p. 103. v. Werner, Prod. Mon. Cham. p. 396, 1902.

Sail-backed Chameleon.

Hab. East Africa : Tanganyika Territory.

Fig. Werner, Prod. Mon. Cham. 1902, pl. 19 : uncoloured.

One presented 7 Feb. 1927, by Dr. T. Barbour, C.M.Z.S., and Mr. A. Loveridge, C.M.Z.S.

292. *Chamaeleon verrucosus* G. Cuvier, Règne Anim. ed. 2, 2, p. 60, 1817.

Warty Chameleon.

Hab. Madagascar.

Figs. Duméril & Bibron, Erp. gén. 3, 1836, pl. 27, fig. 1. Werner, Prod. Mon. Cham. 1902, pl. 25, upper figure : head, uncoloured. E. G. Boulenger, Rept. & Batr. 1914, p. 92, fig. c : photograph.

Two presented 4 April, 1906, by the Earl of Crawford, K.T., F.R.S., F.Z.S., and Monsieur A. Deville.

293. *Chamaeleon pollenii* Peters, Mon. Berlin Ac. 1873, p. 792.

Chamaeleon pollenii G. A. Boulenger, Brit. Mus. Cat. Liz. 3, pp. 455, 456, 1887.

Chamaeleon cephalolepis.

Comoro Chameleon.

Hab. Comoro Islands, north-west of Madagascar.

Figs. Günther, Ann. Mag. Nat. Hist. (5) 6, 1880, p. 237, fig., as *Chamaeleon cephalolepis*: head, uncoloured. Werner, Prod. Mon. Cham. 1902, pl. 15, lowest figure: uncoloured.

One presented 4 April, 1906, by the Earl of Crawford, K.T., F.R.S., F.Z.S.

294. *Chamaeleon fischeri* Reichenow, Zool. Anz. 5, 10, no. 255, p. 371, 1887. v. Werner, Prod. Mon. Cham. p. 414, 1902.

Fischer's Chameleon.

Hab. East Africa: Tanganyika Territory.

Figs. Haacke & Kuhnert, Thierleben d. Erde, 3, 1901, pl. opp. p. 180. Werner, Prod. Mon. Cham. 1902, pl. 24, lowest right fig.: head, uncoloured.

Fifty-seven presented 7 Feb. 1927, by Dr. T. Barbour, C.M.Z.S., and Mr. A. Loveridge, C.M.Z.S. Of these, six were referred to *Chamaeleon fischeri wernerii* Tornier 1899, seven to *C. f. vosseleri* Nieden 1913, and forty-four to *C. f. multituberculatus* Nieden 1913.

295. *Chamaeleon jacksoni* G. A. Boulenger, Ann. Mag. Nat. Hist. (6) 17, p. 376, 1896.

Jackson's Chameleon.

Hab. East Africa: Uganda and Kenya Colony.

Fig. Werner, Prod. Mon. Cham. 1902, pl. 26, left fig.: uncoloured.

Two presented 13 Aug. 1926, by Capt. A. T. A. Ritchie, M.C., F.Z.S., were referred to *Chamaeleo jacksoni vauerescecae* Tornier.

296. *Chamaeleon taeniabronchus* A. Smith, S. Afr. Quart. Journ. no. 5, p. 17, 1831.

Chamaeleon taeniabronchus G. A. Boulenger, Brit. Mus. Cat. Liz. 3, p. 458, 1887.

Fringed Chameleon.

Hab. South Africa: from the Cape Province to the Zambesi.

Fig. Brit. Mus. Cat. Liz. 3, 1887, pl. 40, fig. 1: uncoloured.

Two presented 22 Aug. 1892, by Mr. C. W. Heaton.

297. *Chamaeleon pumilus* Daudin, Hist. Nat. Rept. 4, p. 212, pl. 53, 1802.

Alternative name *Lophosaura pumila* (v. Broom, P.Z.S. 1925, p. 14).

Pygmy Chameleon.

Hab. South Africa: Cape Province.

Figs. Werner, Prod. Mon. Cham. 1902, pl. 16, lowest figure: uncoloured; & pl. 24, right upper fig.: head, uncoloured. E. G. Boulenger, Rept. & Batr. 1914, p. 93: photograph.

First received in 1861 or early in 1862.

Two born in the Gardens 12 May, 1887.

Family XANTUSIIDAE.

Genus:

	Page
1. <i>Xantusia</i>	108

Genus **Xantusia** Baird, Proc. Ac. Nat. Sci. Philad. 1858, p. 255.

Species:

	Page
1. <i>henshawi</i>	108

298. *Xantusia henshawi* Stejneger, Proc. U.S. Nat. Mus. 16, p. 467, 1893.

Henshaw's Lizard. Spotted Night Lizard.

Hab. North America: southern California.

Figs. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 554, fig. 100, as *Zablepsis henshawi*: head, etc., uncoloured.

Twelve presented 13 May, 1926, by Dr. L. M. Klauber.

Family SCINCIDAE.

Genera :

	Page		Page
1. <i>Egernia</i>	109	7. <i>Ablepharus</i>	119
2. <i>Trachydosaurus</i>	110	8. <i>Eumeces</i>	120
3. <i>Tiliqua</i>	111	9. <i>Scincus</i>	121
4. <i>Macrosцинus</i>	112	10. <i>Chalcides</i>	121
5. <i>Mabuya</i>	113	11. <i>Scelotes</i>	123
6. <i>Lygosoma</i>	116	12. <i>Acontias</i>	123

Genus **Egernia** J. E. Gray, Ann. Nat. Hist. 2,
p. 288, 1838.

Species :

	Page
1. <i>whitii</i>	109
2. <i>major</i>	109
3. <i>striolata</i>	110
4. <i>cunninghami</i>	110
5. <i>stokesii</i>	110
6. <i>depressa</i>	110

299. *Egernia whitii* (Lacépède), Ann. Mus. Hist. Nat.
Hist. 4, p. 192, 1804.

Egernia whitei.

White's Skink.

Hab. Australia and Tasmania.

Fig. Quoy & Gaimard, Voy. Uranie, Zool. 1824, pl. 42,
fig. 2, as "Scinque a flancs noirs."

Three purchased 31 July, 1874.

300. *Egernia major* (J. E. Gray), Zool. Erebus & Terror,
Rept. pl. 14, 1845, & Brit. Mus. Cat. Liz. p. 107,
1845.

Greater Skink.

Hab. Australia : north-east districts.

Fig. J. E. Gray, Zool. Erebus & Terror, Rept. pl. 14,
as *Tropidolepisma major*: uncoloured.

Two presented 19 May, 1862, by Mr. G. Macleay, F.Z.S. •

301. *Egernia striolata* (Peters), Mon. Berlin Ac. 1870, p. 642.
 Lesser Egernia-Skink.
Hab. Eastern Australia: Queensland to Victoria.
Fig.
 Two purchased 4 July, 1914.
302. *Egernia cunninghami* (J. E. Gray), Proc. Zool. Soc. London, 1832, p. 40.
 Cunningham's Skink. Spiny-tailed Skink.
Hab. Australia.
Figs. J. E. Gray, in Stokes, Discov. in Australia, 1, 1846, pl. 2: uncoloured. E. G. Boulenger, Rept. & Batr. 1914, p. 90, upper fig.: photograph.
 One presented 31 March, 1864, by the Acclimatization Society of Victoria.
303. *Egernia stokesii* (J. E. Gray), Brit. Mus. Cat. Liz. p. 105, 1845.
 Stokes's Skink.
Hab. West Australia.
Figs. J. E. Gray, in Stokes, Discov. in Australia, 1, 1846, pl. 1, as *Sibulosaurus stokesii*: uncoloured. Brit. Mus. Cat. Liz. 3, 1887, pl. 5, figs. 2 & 2A: head and tail, uncoloured.
 One purchased 23 March, 1877.
304. *Egernia depressa* (Günther), Zool. Erebus & Terror, Rept. p. 15, 1875.
 Short-tailed Spiny Skink.
Hab. Australia: south-west districts. Introduced into Singapore by human agency.
Fig. Brit. Mus. Cat. Liz. 3, 1887, pl. 5, fig. 1: uncoloured.
 Two purchased 10 June, 1913.

Genus **Trachydosaurus** J. E. Gray, Ann. Philos. London (2), 10, p. 201, 1825.

Species :

	Page
1. <i>rugosus</i>	111

305. *Trachydosaurus rugosus* J. E. Gray, Ann. Philos. London (2), 10, p. 201, 1825.

Trachysaurus rugosus J. E. Gray, in King, Narrative Survey Coast Australia, 2, p. 430, 1826.

Stump-tailed Skink. Shingle-Back. Sleepy Lizard.
Hab. Australia.

Figs. E. G. Boulenger, Rept. & Batr. 1914, p. 90, lower fig.: photograph. Bull. New York Zool. Soc. 31, 1928, pp. 101, 142: photographs.

One presented 23 May, 1851, by the Hon. M. Hope: it died 16 Nov. 1852.

Two born in the Gardens 12 May, 1926, were still alive 31 Dec. 1927.

Genus **Tiliqua** J. E. Gray, Ann. Philos. London (2), 10, p. 201, 1825.

Species :

	Page
1. <i>gigas</i>	111
2. <i>scincoides</i>	111
3. <i>nigrolutea</i>	112
4. <i>occipitalis</i>	112

306. *Tiliqua gigas* (Schneider), Hist. Amphib. 2, p. 202, 1801.

Great Moluccan Skink.

Hab. Malay-Papua islands: the Moluccas to New Guinea, and reported to occur in Sumatra and Java.

Fig. N. de Rooij, Rept. Indo-Austr. Archip. 1, 1915, p. 157, fig. 68: head, neck and arms, uncoloured.

One purchased 17 June, 1852.

Twenty-seven born in the Gardens, 1866-1893.

307. *Tiliqua scincoides* (Shaw), in White, Journ. Voy. New South Wales, App. p. 242, 1790.

Northern Blue-tongued Skink. Blue-tongue (in Australia).

Hab. Australia and Tasmania.

Figs. White, *l.c.s.* pl. 30: uncoloured. McCoy, Prodr. Zool. Victoria, dec. 8, 1883, pl. 72, as *Cyclodus gigas*. E. G. Boulenger, Rept. & Batr. 1914, p. 87, fig. c: photograph.

One received 29 Jan. 1898, lived till 22 May, 1912, so was 14 years 3 months and 23 days in the Gardens.

308. *Tiliqua nigrolutea* J. E. Gray, in Griffith, Anim. Kingd. 9, Syn. p. 68, 1831.

Southern Blue-tongued Skink. Black-and-yellow Skink.

Hab. Australia (southern districts) and Tasmania.

Figs. Quoy & Gaimard, Voy. Uranie, Rept. 1824, pl. 41, as "Scinque jaune et noir." A. H. S. Lucas & W. H. D. Le Souëf, Anim. Australia, 1909, p. 248: photograph.

One presented 15 July, 1870, by Mr. W. S. Crowther, C.M.Z.S.

309. *Tiliqua occipitalis* (Peters), Mon. Berlin Ac. 1863, p. 231.

Broad-banded Blue-tongued Skink.

Hab. Australia.

Fig.

One presented 13 June, 1870, by Dr. R. Schomburgk.

Genus **Macrosцинс** Bocage, Journ. Sc. Lisb.

4, p. 302, 1873. v. G. A. Boulenger, Brit. Mus. Cat. Liz. p. 149, 1887.

Species:

	Page
1. <i>coctei</i>	112

310. *Macrosцинс coctei* (Duméril & Bibron), Erp. gén. 5, p. 666, 1839.

Macrosцинс coctaei G. A. Boulenger, Brit. Mus. Cat. Liz. 3, p. 149, 1887.

Macrosцинс cocteau P. L. Sclater, List, ed. 9, p. 598, 1896.

Cocteau's Great Skink.

Hab. Cape Verde Islands.

Fig.

Two presented 14 Oct. 1874 by Prof. Barboza da Bocage, F.M.Z.S.

Genus **Mabuya** Fitzinger, Neue Classif.
Rept. p. 23, 1826.

Species :

	Page		Page
1. <i>raddoni</i>	113	7. <i>trivittata</i>	115
2. <i>punctata</i>	113	8. <i>quinquetacniata</i>	115
3. <i>dorine</i>	114	9. <i>lacertiformis</i>	115
4. <i>vittata</i>	114	10. <i>gravenhorstii</i>	116
5. <i>multifasciata</i>	114	11. <i>striata</i>	116
6. <i>agilis</i>	115		

311. *Mabuya raddoni* (J. E. Gray), Brit. Mus. Cat. Liz.
p. 112, 1845.

Mabuia raddonii G. A. Boulenger, Brit. Mus.
Cat. Liz. **3**, p. 165, 1887.

Raddon's Skink.

Hab. West Africa: Sierra Leone to the Gaboon and Congo.

Fig. G. A. Boulenger, *l. c. s.* pl. 10, fig. 1: uncoloured.
One presented 12 Dec. 1910, by Dr. H. G. F. Spurrell.

312. *Mabuya punctata* (Linnaeus), Syst. Nat. **1**, p. 209,
1758. Andersson, Bihang. K. Svenska Vet.-Ak.
Handl. **26**, 4, 1, p. 15, 1900.

Mabuya homalocephala (Wiegmann), Isis, **21**,
p. 374, 1828.

Mabuia homalocephala G. A. Boulenger, Brit.
Mus. Cat. Liz. **3**, p. 170, 1887.

Smooth-headed Skink.

Hab. South Africa.

Fig. A. Smith, Illustr. Zool. S. Afr. Rept. 1845,
pl. 31, fig. 2, as *Euprepes smithii* J. E. Gray.

A Skink presented 8 July, 1882, by the Rev. G. H. R. Fisk, C.M.Z.S., may have been of this species, though registered as *Euprepes vittatus*, List, ed. 8, p. 586, 1883.

One presented 8 Dec. 1890, by the Rev. G. H. R. Fisk, C.M.Z.S., was the first to be referred to *M. homalcephala*.

313. *Mabuya doriae* G. A. Boulenger, Brit. Mus. Cat. Liz. 3, p. 174, 1887, as *Mabuia doriae*.

Marquis Doria's Skink.

Hab. South-east Asia : Burma.

Fig. G. A. Boulenger, *l. c. s.* pl. 10, fig. 4: uncoloured.

Six presented 20 Oct. 1896, by Mr. W. G. Bligh.

314. *Mabuya vittata* (Olivier), Voy. Emp. Oth., etc., 3, p. 103, 1804. *v.* Anderson, Zool. Egypt, Rept. p. 193, 1898.

Mabuia vittata.

Bridled Skink. Streaked Skink.

Hab. North Africa and south-west Asia : Algeria to Egypt, Syria and Cyprus.

Fig. Anderson, Zool. Egypt, Rept. 1898, pl. 24, fig. 4.

First received—date not ascertained.

315. *Mabuya multifasciata* (Kuhl), Beitr. Zool. pt. 2, p. 126, 1820.

Mabuia multifasciata.

Many-banded Skink. Sun Lizard, or Grass Lizard (in the Straits Settlements).

Hab. South-east Asia : Burma, Yunnan, Hainan and Siam to the Malay Peninsula and islands, to as far east as New Guinea.

Figs. G. A. Boulenger, Faun. Brit. Ind. Rept. 1890, p. 181: head, uncoloured. N. de Rooij, Rept. Indo-Austr. Archip. 1, 1915, p. 163, fig. 69: head, arms, etc., uncoloured.

One deposited 13 May, 1901.

316. *Mabuya agilis* (Raddi), Mem. Soc. Ital. Modena, 19, p. 62, 1823. c. G. A. Boulenger, Brit. Mus. Cat. Liz. 3, p. 190, 1887, as *Mabuia agilis*.

Raddi's Skink.

Hab. Tropical America: Central America and northern South America, south to Ecuador and Brazil.

Fig. Bocourt, Miss. Sci. Mex. Rept. 1879, pl. 22 B, fig. 2: head, uncoloured.

One presented 11 May, 1897, by Mr. R. R. Mole, C.M.Z.S.

317. *Mabuya tricittata* (G. Cuvier), Règne Anim. ed. 2, 2, p. 62, 1829.

Mabuia tricittata.

Three-streaked Skink.

Hab. South Africa.

Fig. Gravenhorst, Nova Acta Ac. Caes. Leop.-Carol. 23, 1, 1851, pl. 32, as *Euprepes merremii*: head, uncoloured.

One presented 29 Oct. 1885, by the Rev. G. H. R. Fisk, C.M.Z.S.

318. *Mabuya quinquetaeniata* (Lichtenstein), Verz. Doubl. Mus. Berlin, p. 103, 1823.

Mabuia quinquetaeniata.

African Blue-tailed Skink. Five-lined Skink.

Hab. Africa: from Senegambia and Egypt to Angola and Portuguese East Africa.

Figs. Anderson, Zool. Egypt, Rept. 1898, pl. 24, figs. 1-3. K. P. Schmidt, Bull. Amer. Mus Nat. Hist. 39, 1919, pl. 27: photographs.

One deposited 14 April, 1920.

319. *Mabuya lacertiformis* (Peters), Ber. Bekannt. Verhandl. König. Preuss. Ak. Wiss. Berlin, 1854, p. 618.

Mabuia lacertiformis G. A. Boulenger, Brit. Mus. Cat. Liz. 3, p. 199, 1887.

Boror Skink.

Hab. South-east Africa : Portuguese East Africa.

Fig. Peters, Reise Mossamb. 3, 1882, pl. 10, fig. 2,
as *Euprepes lacertiformis*.

Four received 31 March, 1927, from Mr. H. B. Cott.

320. *Mabuia gravenhorstii* (Duméril & Bibron), Erp. gén. 5, p. 686, 1839.

Mabuia gravenhorstii.

Gravenhorst's Skink.

Hab. Madagascar.

Fig. Gravenhorst, Nova Acta Ac. Caes. Leop.-Carol. 23, 1851, 1, pl. 33, as *Euprepes gravenhorstii* : head and tail, uncoloured.

Two deposited 22 Oct. 1907.

321. *Mabuia striata* (Peters), Ber. Bekannt. Verhandl. König. Preuss. Ak. Wiss. Berlin, 1844, p. 36.

Mabuia striata G. A. Boulenger, Brit. Mus. Cat. Liz. 3, p. 204, 1887.

Grant's Skink. Rough-toed Skink.

Hab. South and east Africa : north to Ruwenzori.

Fig. A. Smith, Illustr. Zool. S. Afr. Rept. 1845, pl. 31, fig. 1, as *Euprepes punctatissimus*.

Three presented 12 Oct. 1892, by Mr. F. Finn, F.Z.S.

Genus **Lygosoma** J. E. Gray, Zool. Journ. London, 3, p. 228, 1827.

Species :

	Page		Page
1. <i>lesueurii</i>	116	6. <i>mustelinum</i>	118
2. <i>taeniolatum</i>	117	7. <i>moco</i>	118
3. <i>labillardii</i>	117	8. <i>lineocellatum</i>	118
4. <i>quoyii</i>	117	9. <i>sundevallii</i>	119
5. <i>tenue</i>	118	10. <i>decreciense</i>	119

322. *Lygosoma lesueurii* Duméril & Bibron, Erp. gén. 5, p. 733, 1839.

Alternative name *Hinulia lesueurii*.

Lesueur's Skink.

Hab. Australia: widely distributed.

Fig. J. E. Gray, Zool. Erebus & Terror, Rept. 1845, pl. 10, fig. 2, as *Hinulia inornata* J. E. Gray: uncoloured.

Fifteen received 19 April, 1866.

323. *Lygosoma taeniolum* (Shaw), in White, Journ. Voy. New South Wales, App. p. 245, 1790.

Alternative name *Hinulia taeniolum*.

Australian Striped Skink.

Hab. Australia.

Figs. White, *l.c.s.* pl. 32, fig. 1: uncoloured. Lesson, Voy. Coquille, Zool. 2, 1826-1830, pl. 3, fig. 2, as *Scincus multilineatus*. A. H. S. Lucas & W. H. D. Le Souëf, Anim. Australia, 1909, p. 249: photograph.

Two purchased 1 May, 1912.

324. *Lygosoma labillardii* (J. E. Gray), Ann. Nat. Hist. 2, p. 289, 1838.

Alternative name *Hinulia labillardii*.

Lygosoma labillardieri G. A. Boulenger, Brit. Mus. Cat. Liz. 3, p. 229, 1887.

Labillardière's Skink.

Hab. Australia.

Fig. J. E. Gray, Zool. Erebus & Terror, Rept. 1845, pl. 10, fig. 3, as *Hinulia greyii*: uncoloured.

Eight deposited 31 Dec. 1896.

325. *Lygosoma quoyii* Duméril & Bibron, Erp. gén. 5, p. 728, 1839.

Alternative name *Hinulia quoyii*.

Quoy's Skink. Water Lizard (in Australia).

Hab. Australia: especially in south and east districts.
Fig. Quoy & Gaimard, Voy. Uranie, Zool. 1824, pl. 42, fig. 1, as "Scinque a flancs noirs."

Two deposited 13 May, 1901.

326. *Lygosoma tenue* (J. E. Gray), in Griffith, Anim. Kingd. 9, Syn. p. 71, 1831.
 • Alternative name *Hinulia tenuis*.
 Slender Skink.
Hab. Australia : northern districts. •
Figs. J. E. Gray, Zool. Erebus & Terror, Rept. 1845, pl. 10, fig. 1 & pl. 11, fig. 3, as *Hinulia elegans* and *H. tenuis* : uncoloured.
 One deposited 6 Aug. 1914.
327. *Lygosoma mustelinum* (O'Shaughnessy), Ann. Mag. Nat. Hist. (4) 13, p. 299, 1874.
 Alternative name *Leiolopisma mustelina*.
 Musteline Skink.
Hab. Australia : southern districts.
Fig. Brit. Mus. Cat. Liz. 3, 1887, pl. 19, fig. 2 : uncoloured.
 One deposited 30 Sept. 1897.
328. *Lygosoma moco* Duméril & Bibron, Erp. gén. 5, p. 718, 1839.
 Alternative name *Leiolopisma moco*.
 Moco Skink.
Hab. New Zealand.
Figs. J. E. Gray, Zool. Erebus & Terror, Rept. 1845, pl. 7, fig. 4, as *Mocoa zelandica* (J. E. Gray) 1843 : uncoloured. Brit. Mus. Cat. Liz. 3, 1887, p. 272 : snout, uncoloured.
 Three deposited 6 Aug. 1914.
329. *Lygosoma lineocellatum* A. Duméril, Cat. Méth. Rept. Paris, p. 169, 1851.
 Alternative name *Leiolopisma lineocellata*.
 New Zealand Eyed Skink.
Hab. New Zealand.
Fig. Brit. Mus. Cat. Liz. 3, 1887, p. 273 : snout, uncoloured.
 • One purchased 1 May, 1912.

330. *Lygosoma sundevallii* (A. Smith), as *Eumices (Riopa) sunderallii*, Illustr. Zool. S. Afr. Rept. App. p. 11, 1849.

Alternative name *Riopa sundevallii*.

Sundevall's Skink.

Hab. Tropical Africa: from the Benguela and Mozambique districts north to the Sudan.

Figs. Peters, Reise Mossamb. 3, 1882, pl. 11, fig. 2, as *Eumices afer*. K. P. Schmidt, Bull. Amer. Mus. Nat. Hist. 39, 1919, pl. 29: photograph.

One presented 25 June, 1923, by Mr. A. Loveridge, C.M.Z.S.

331. *Lygosoma decresiense* (Fitzinger), Neue Classif. Rept. p. 53, 1826.

Alternative name *Hemiergus decresiensis*.

Decres's Skink. Three-toed Skink.

Hab. Australia.

Fig. J. E. Gray, Zool. Erebus & Terror, Rept. 1845, pl. 6, fig. 5: uncoloured.

Thirty-one deposited 30 Sept. 1897.

Genus **Ablepharus** Fitzinger, Verh. Ges. naturf. Fr. Berlin, 1, p. 297, 1824.

Species:

	Page
1. <i>kitaibellii</i>	119

332. *Ablepharus kitaibellii* Bibron & Bory de St. Vincent, Exp. Sci. Morée, Rept. p. 69, pl. 11, fig. 5, 1833. R. Mertens & L. Müller, Abh. Senchenb. Naturf. Ges. 41, 1, p. 43, 1928.

Ablepharus pannonicus G. A. Boulenger, Brit. Mus. Cat. Liz. 3, p. 354, 1887.

Hungarian Skink.

Hab. South-east Europe and west Asia: Hungary and Rumania to Greece, Asia Minor and Syria.

Fig. Gravenhorst, Nova Acta Ac. Caes. Leop.-Carol. 23, 1, 1851, pl. 27: uncoloured.

Three presented 5 April, 1906, by Mr W. R. Saunders, F.Z.S.

Genus **Eumeces** Wiegmann, Herp.
Mexico, p. 36, 1834.

Species :

	Page
1. <i>fasciatus</i>	120
2. <i>skiltonianus</i>	120
3. <i>schneiderii</i>	120
4. <i>algeriensis</i>	121

333. *Eumeces fasciatus* (Linnaeus), Syst. Nat. 1, p. 209, 1758.

Eumeces quinquelineatus.

American Five-lined Skink. American Blue-tailed Skink. "Scorpion" (in America).

Hab. North America: southern New England to Florida, up the Mississippi Valley to Canada and westward to Arizona.

Figs. Holbrook, N. Amer. Herp. 2, 1842, pls. 16, 17 & 18: under various names. Ann. Rept. U.S. Nat. Mus. 1898 (1900), p. 177, fig. 3, ♀; p. 634, fig. 125, ♂: heads and details, uncoloured.

Nine deposited 5 Feb. 1900.

334. *Eumeces skiltonianus* (Baird & Girard), in Stansbury, Expl. Surv. Vall. Great Salt Lake, p. 349, 1852. v. Stejneger & Barbour, Check List N. Amer. Rept. ed. 2, p. 77, 1923.

Skilton's Skink.

Hab. North America: Oregon to Lower California, and eastward through Nevada to Utah.

Fig. Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 641, fig. 126: head, etc., uncoloured.

Five deposited 14 May, 1901.

335. *Eumeces schneiderii* (Daudin), Hist. Nat. Rept. 4, p. 291, 1802.

Gold Skink. Schneider's Skink. Aldrovandi's Skink.

Hab. North-east Africa and west Asia: Tunis to western Egypt, and Palestine to Armenia, Persia and Baluchistan.

Fig. Anderson, Zool. Egypt, Rept. 1898, pl. 25.

First received in 1848, or early in 1849.

336. *Eumeces algeriensis* Peters, Mon. Berlin, Ac. 1864, p. 49.

Algerian Skink.

Hab. North-west Africa: Morocco and Algeria.

Fig. T. Z. S. 13, 1891, pl. 16: uncoloured.

One presented 14 Sept. 1886, by Mr. Stanley S. Flower.

N.B.—As Peters, *l.c.s.*, originally inferred, *E. algeriensis* is probably not a distinct species, but a western representative of *E. schneiderii*.

Genus **Scincus** Laurenti, Syn. Rept.
p. 55, 1768.

Species:

	Page
1. <i>stincus</i>	121

337. *Scincus stincus* (Linnaeus), Syst. Nat. 1, p. 205, 1758.

Scincus officinalis.

Skink.

Hab. North Africa: sandy deserts from Algeria to Egypt.

Fig. Anderson, Zool. Egypt, Rept. 1898, pl. 27.

One presented 29 June, 1849, by the Hon. Charles A. Murray.

Genus **Chalcides** Laurenti, Syn. Rept.
p. 64, 1768.

Species:

	Page
1. <i>ocellatus</i>	121
2. <i>viridanus</i>	122
3. <i>striatus</i>	122
4. <i>tridactylus</i>	122
5. <i>armitagei</i>	123
6. <i>sepsoides</i>	123

338. *Chalcides ocellatus* (Forskål), Descr. Anim. p. 13, 1775.

Eyed Skink.

Hab. North Africa: from Morocco to Egypt and Somaliland; also found in south-west Asia and some parts of southern Europe.

Figs. Anderson, Zool. Egypt, Rept. 1898, pl. 28, fig. 1.
E. G. Boulenger, P. Z. S. 1920, p. 83, text-fig 4:
the two extreme forms of this species, uncoloured,
One presented 29 June, 1849, by the Hon. Charles A. Murray.

Eight born in the Gardens: four in 1896 and four in 1920.

339. *Chalcides viridanus* (Gravenhorst), Nova Acta Ac. Caes. Leop.-Carol. 23, 1, p. 348, 1851.

Greenish Eyed Skink.

Hab. Canary Islands: Tenerife, Gomera and Hiero.

Fig. Gravenhorst, *l. c. s.* pl. 35: head, uncoloured.

Three purchased 15 June, 1870.

340. *Chalcides striatus* (G. Cuvier), Règne Anim. ed. 2, 2, p. 64, 1829.

Chalcides lineatus (Leuckart), Brev. Anim. Descr. p. 10, 1828. *v.* G. A. Boulenger, Brit. Mus. Cat. Liz. 3, p. 403, 1887.

Cuvier's Three-toed Sand-Skink.

Hab. South-west Europe: south France, Spain and Portugal, and also reported from Morocco and Algeria.

Figs. Gravenhorst, Nova Acta Ac. Caes. Leop.-Carol. 23, 1, 1851, pl. 42, as *Seps striatus*: uncoloured.
G. A. Boulenger, T. Z. S. 13, 1891, pl. 17, fig. 3: uncoloured.

Four presented 7 June, 1886, by Mr. J. C. Warburg.

341. *Chalcides tridactylus* Laurenti, Syn. Rept. p. 64, 1768.

Laurenti's Three-toed Sand-Skink.

Hab. South Europe and north Africa: Italy, Sardinia, Sicily, Morocco, Algeria and Tunis.

Fig. Gravenhorst, Nova Acta Ac. Caes. Leop.-Carol. 23, 1, 1851, pl. 41, as *Seps chalcides*: uncoloured.

Three presented 30 July, 1872, by Mr. W. C. Tait.

342. *Chalcides armitagei* E. G. Boulenger, Proc. Zool. Soc. London, 1922, p. 899.
 Armitage's Skink.
Hab. West Africa: Gambia.
Fig. .
 One, the type of the species, presented 15 Aug. 1922, by Capt. C. H. Armitage, C.M.G., D.S.O., F.Z.S.
343. *Chalcides sepsoides* (Audouin), Descr. Égypte, Rept. Suppl. p. 132, 1827, 1829.
Chalcides sepsoides.
 Audouin's Sand-Skink.
Hab. North Africa: from Senegambia to Egypt, and also found in Sinai and Palestine.
Fig. Anderson, Zool. Egypt, Rept. 1898, pl. 29, fig. 2.
 One presented 29 June, 1849, by the Hon. Charles A. Murray.

Genus **Scelotes** Fitzinger, Neue Classif.
 Rept. p. 23, 1826.

Species:

	Page
1. <i>bipes</i>	123

344. *Scelotes bipes* (Linnaeus), Syst. Nat. 1, p. 227, 1758.
 Two-legged Skink.
Hab. South Africa: "Western Province, Zululand," Essex, P. Z. S. 1927, p. 943.
Figs. Gravenhorst, Nova Acta Ac. Caes. Leop.-Carol. 23, 1, 1851, pl. 43, as *Scelotes linnæi*: uncoloured. P. Z. S. 1927, pt. 4, Essex, pl. 1, fig. 2: photograph.
 One presented 8 July, 1882, by the Rev. G. H. R. Fisk, C.M.Z.S.

Genus **Acontias** G. Cuvier, Règne Anim.
 2, p. 60, 1817.

Species:

	Page
1. <i>meleagris</i>	124

345. *Acontias meleagris* (Linnaeus), Nat. 1, p. 227, 1758.
Spotted Slow-Skink.

Hab. South Africa: "Damaraland to Mashonaland and from the Transvaal to the Transkei," Essex, P. Z. S. 1927, p. 942.

Fig. Duméril & Bibron, *Erp. gén.* 5, 1839, pl. 58, as *Acontias peintade*.

One purchased 23 April, 1879.

Family GERRHOSAURIDAE.

Genera:

	Page
1. <i>Gerrhosaurus</i>	124
2. <i>Tetradactylus</i>	126

Genus **Gerrhosaurus** Wiegmann, *Isis*, 21,
p. 377, 1828.

Species:

	Page
1. <i>vallidus</i>	124
2. <i>major</i>	124
3. <i>bottegoid</i>	125
4. <i>grandis</i>	125
5. <i>flavigularis</i>	125
6. <i>nigrolineatus</i>	126

346. *Gerrhosaurus vallidus* A. Smith, *Illustr. Zool. S. Afr. Rept. Append.* p. 9, 1849.

Gerrhosaurus validus G. A. Boulenger, *Brit. Mus. Cat. Liz.* 3, p. 121, 1887.

Robust Plated-Lizard.

Hab. South and south-east Africa.

Fig. Peters, *Reise Mossamb.* 3, 1882, pl. 9, as *Gerrhosaurus robustus* Peters 1854.

One received 2 June, 1911.

347. *Gerrhosaurus major* A. Duméril, *Cat. Méth. Rept. Paris*, p. 139, 1851.

Greater Plated-Lizard.

Hab. East Africa: from between the Limpopo and Zambesi rivers northward to Kenia Colony.

Fig. E. G. Boulenger, Rept. & Batr. 1914, p. 85, fig. c: photograph.

Two, from British East Africa, presented 12 Oct. 1892, by Mr. Frank Finn, F.Z.S.

348. *Gerrhosaurus bottegoi* Del Prato, Atti Soc. Italiana Sci. Nat. 35, p. 20, fig. 1, 1892. c. K. P. Schmidt, Bull. Amer. Mus. Nat. Hist. 39, p. 519, 1919.

Gerrhosaurus maior zechi Tornier, Arch. Naturg. 67, 2, p. 74, 1901.

Count Zech's Plated-Lizard.

Hab. Northern tropical Africa: Abyssinia, Garamba (southern Sudan) and Togoland.

Figs. Tornier, l. c. s. p. 75: uncoloured. Schmidt, l. c. s. pl. 20, fig. 2: photograph.

Two, said to be from Abyssinia, purchased 9 Feb. 1926, were registered as *G. zechi*.

349. *Gerrhosaurus grandis* G. A. Boulenger, Ann. Natal Mus. 1, p. 233, 1908.

Grand Plated-Lizard.

Hab. South-east Africa: Zululand and Portugese East Africa.

Fig. Boulenger, l. c. s. pl. 36: uncoloured.

Two received 5 Aug. 1927, collected by Mr. H. B. Cott, F.Z.S.

350. *Gerrhosaurus flavigularis* Wiegmann, Isis, 21, p. 378, 1828.

Yellow-throated Plated-Lizard.

Hab. South and East Africa: from the Cape of Good Hope to the southern Sudan.

Figs. A. Smith, Illustr. Zool. S. Afr. Rept. 1844, pls. 37, 38, fig. 1, & pl. 42, figs. 1-4, 9-12, as *G. flavigularis* and *G. libroni*.

One presented 20 Nov. 1894, by Mr. C. Beddington.

351. *Gerrhosaurus nigrolineatus* Hallowell, Proc. Ac. Nat. Sci. Philad. p. 49, 1857. v. G. A. Boulenger, Brit. Mus. Cat. Liz. 3, p. 122, 1887.

Alternative name *Gerrhosaurus flavigularis nigrolineatus*.

Black-lined Plated-Lizard.

Hab. West Africa: Gaboon, Lower Congo and Angola.

Fig.

One received 2 June, 1911.

Genus **Tetradactylus** Merrem, Tent. Syst. Amphib. p. 75, 1820.

Species :

	Page
1. <i>seps</i>	126

352. *Tetradactylus seps* (Linnaeus), 1, p. 204, 1758.

Short-legged Plated-Lizard.

Hab. South Africa: Cape Province.

Figs. A. Smith, Illustr. Zool. S. Afr. Rept. 1845, pl. 41, fig. 1, & pl. 42, figs. 13-16, as *Gerrhosaurus sepiiformis* (Schneider). Gravenhorst, Nova Acta Ac. Caes. Leop.-Carol. 23, 1851, 1, pl. 27, as *G. sepiiformis*: uncoloured.

Ten presented 8 July, 1882, by the Rev. G. H. R. Fisk, C.M.Z.S.

Family LACERTIDAE.

Genera :

	Page
1. <i>Nucras</i>	126
2. <i>Lacerta</i>	127
3. <i>Algyroides</i>	131
4. <i>Acanthodactylus</i>	132
5. <i>Psammotromus</i>	134
6. <i>Eremias</i>	135

Genus **Nucras** J. E. Gray, Ann. Nat. Hist. 1, p. 280, 1838.

Species :

	Page
1. <i>alandii</i>	127

353. *Nucras lalandii* (H. Milne-Edwards), Ann. Sci. Nat. **16**, p. 84, 1829.

Nucras delalandii G. A. Boulenger, Brit. Mus. Mon. Lacert. **1**, p. 13, 1920.

Delalande's Lizard.

Hab. South Africa: Cape Province and Natal to the Transvaal.

Figs. H. Milne-Edwards, *o.c.s.* pl. 5, fig. 6, as "Lézard de Lalande": head, uncoloured. G. A. Boulenger, Ann. S. Afr. Mus. **13**, 1917, pls. 6 & 7, twenty figs.

Nucras spp.: heads and fore quarters, uncoloured.

One presented 18 July, 1890, by Mr. H. A. Spencer.

Genus **Lacerta** Linnaeus, Syst. Nat. **1**,
p. 200, 1758.

Species :

	Page		Page
1. <i>agilis</i>	127	7. <i>vivipara</i>	129
2. <i>viridis</i>	127	8. <i>taurica</i>	129
3. <i>lepidota</i>	128	9. <i>peloponnesiaca</i>	130
4. <i>atlantica</i>	128	10. <i>muralis</i>	130
5. <i>galloti</i>	128	11. <i>mosorensis</i>	131
6. <i>simonyi</i>	129	12. <i>dugesii</i>	131

354. *Lacerta agilis* Linnaeus, Syst. Nat. **1**, p. 203, 1758.
Sand-Lizard.

Hab. Europe and Asia: in suitable localities from England to Russia, north to south Sweden, south to France and Herzegovina, and to as far east as Lake Baikal.

Figs. Cooke, Our Reptiles, ed. 2, 1893, pl. 1, fig. 1.
G. A. Boulenger, T. Z. S. **21**, 1916, pl. 1, figs. 1-11,
pl. 2, figs. 1-9: photographs.

In Gardens 6 April, 1858, but probably first received at some earlier date.

355. *Lacerta viridis* (Laurenti), Syn. Rept. p. 62, 1768.
Green Lizard.

Hab. Europe and Asia: from the Channel Islands to south Russia, north to Germany, south to Spain, Italy and Sicily, and east to Asia Minor, Transcaucasia and Persia.

Fig. Cooke, Our Reptiles, ed. 2, 1893, pl. 2, fig. 1.

First received before May 1837. Two deposited 23 Oct. 1893, were referred to *Lacerta viridis schreiberi* Bedriaga 1878, and eighteen purchased 14 April, 1926, to *L. e. major* G. A. Boulenger 1887.

356. *Lacerta lepida* Daudin, Hist. Nat. Rept. 3, p. 204, 1802.

Lacerta ocellata Daudin, Hist. Nat. Rept. 3, p. 125, 1802, is a preoccupied name, *i.e.* by Forskål in 1775.

Eyed Lizard.

Hab. South-east Europe and north-east Africa: the typical form occurs in southern France, Spain and Portugal, the allied *Lacerta ocellata pater* Lataste 1880 in Morocco, Algeria and Tunisia.

Figs. Daudin, *l.c.s.* pl. 33. G. A. Boulenger, T. Z. S. 13, 1891, pl. 15, figs. *a-e*: uncoloured. Novit. Zool. Tring, 12, 1905, pl. 2, fig. 1: uncoloured.

First received in 1847, or early in 1848.

357. *Lacerta atlantica* Peters & Doria, Ann. Mus. Genova, 18, p. 433, 1882. *v.* G. A. Boulenger, Brit. Mus. Mon. Lacert. 1, p. 111, 1920.

Alternative name *Lacerta (Gallotia) atlantica*.

Atlantic Lizard.

Hab. Canary Islands: Lanzarote, Fuertaventura, etc.

Fig.

Four deposited 14 May, 1903.

358. *Lacerta galloti* Duméril & Bibron, Erp. gén. 5, p. 238, 1839.

Alternative name *Lacerta (Gallotia) galloti*.

Gallot's Lizard.

Hab. Canary Islands: Teneriffe, Palma, Gomera, Hiero.

Fig. E. G. Boulenger, Rept. & Batr. 1914, p. 85, fig. *b*: photograph.

Twelve presented 13 June, 1891, by Mr. E. G. B. Meade-Waldo, F.Z.S.

359. *Lacerta simonyi* Steindachner, Anz. k. Ak. Wiss. Wien, 26, no. 27, p. 260, 1889.

Alternative name *Lacerta (Gallotia) simonyi*.

Simony's Lizard.

Hab. Canary Islands: Gran Canaria and Zalmo Rock, near Hiero.

Figs. P. Z. S. 1891, pls. 18 & 19: uncoloured.

Three, obtained by Canon Tristram, F.R.S., presented 8 April, 1890, by Lord Lilford, F.Z.S.

360. *Lacerta vivipara* Jacquin, Nova Acta Helvet. 1, p. 33, 1787.

Alternative name *Lacerta (Zootoca) vivipara*.

Viviparous Lizard.

Hab. Europe and Asia: from Ireland, Scotland and England eastwards to Amurland and Sachalin Island, north to the extreme north of Norway, Lapland and Siberia, south to the Pyrenees, Alps, northern Balkans, Carpathians and Turkestan.

Figs. Cooke, Our Reptiles, ed. 2, 1893, pl. 1, fig. 2. Stejneger, Bull. U.S. Nat. Mus. 58, 1907, p. 252, figs. 220-222: head, etc., uncoloured.

It is not known when this species, the "Common Lizard" of England, was first exhibited in the Gardens.

361. *Lacerta taurica* Pallas, Zoogr. Ross.-As. 3, p. 30, 1831.

Alternative name *Lacerta (Podarcis) taurica*.

Taurican Lizard.

Hab. South-east Europe: Crimea and the north coast of the Black Sea. Roumania, Bulgaria, Turkey in Europe, Serbia, Hungary, Greece and the Ionian Islands.

Figs. P. Z. S. 1907, pl. 30, & pp. 558, 563, 565, text-figs. 162-165: uncoloured. T. Z. S. 21, 1916, pl. 3, figs. 1-6; photographs.

Four presented 20 June, 1918, by Mr. G. H. Colt, F.R.C.S.

362. *Lacerta peloponnesiaca* Bibron & Bory de St. Vincent, Exp. Sci. Morée, Rept. p. 66, 1833.

• Alternative name *Lacerta (Podarcis) peloponnesiaca*. Peloponnesian Lizard.

Hab. South-east Europe: Greece.

Figs. P. Z. S. 1911, pl. 1. T. Z. S. 21, 1916, pl. 3, figs. 7-9: photographs.

Three deposited 28 July, 1905.

363. *Lacerta muralis* (Laurenti), Syn. Rept. p. 61, 1768.

Alternative name *Lacerta (Podarcis) muralis*.

Wall-Lizard.

Hab. Europe: from the Channel Islands to southern Russia, north to southern Germany, south to Spain, Italy, Greece and the Mediterranean islands. In Africa it occurs in Morocco, Algeria and Tunisia, and in Asia from western Asia Minor to the Caucasus, Kurdistan and Persia. There are at least ninety-two named forms from Europe alone, some local and some of wide distribution. Expert opinion is at present divided as to the arrangement of these Lizards into species, subspecies, varieties, etc.

Figs. G. A. Boulenger, T. Z. S. 17, 1905, pls. 22-29: photographs, some coloured. T. Z. S. 20, 1913, pls. 16-23: photographs. Novit. Zool. Tring, 12, 1905, pl. 2, fig. 2: uncoloured.

One was received 4 Sept. 1851, apparently in exchange, from the Jardin des Plantes, Paris.

Besides the typical *L. muralis*, individuals in the Gardens have been referred to the following forms:—

A. *Lacerta muralis lilfordi* (Günther) 1874: two, from the Balearic Islands, presented 29 June, 1874, by Lord Lilford, F.Z.S.

B. *L. m. pilfolensis* Bedriaga 1876: eighteen, from Piliola Rock, off Malta, presented 7 Nov. 1892, by Capt. R. A. Threshie.

C. *L. m. tiliguerta* Gmelin 1788: one presented 8 Sept. 1893, by Mr. A. W. Arrowsmith.

D. *L. m. olivacea* Rafinesque 1819: ten deposited 3 April, 1903.

E. *L. m. fiumana* Werner 1891 : some purchased
20 May, 1926.

N.B.—The Maltese Wall-Lizard, now called *L. m. despotti* Fejérváry 1924, appears to have been first received 29 July, 1887, when six were purchased.

364. *Lacerta mosorensis* Kolombatović, Imen. Kralj. Dalmac. 2, p. 26, 1886. v. G. A. Boulenger, Brit. Mus. Mon. Lacert. 1, p. 323, 1920.

Alternative name *Lacerta (Podarcis) mosorensis*.

Mosorian Lizard.

Hab. South-east Europe : mountains of Dalmatia, Herzegovina and and Montenegro.

Figs. T. Z. S. 21, 1916, pl. 6, figs. 3-5 : photographs. Seven deposited 27 Aug. 1903.

365. *Lacerta dugesii* H. Milne-Edwards, Ann. Sci. Nat. 16, p. 84, 1829.

Alternative name *Lacerta (Podarcis) dugesii*.

Madeira Wall-Lizard.

Hab. Madeira ; also found on Graciosa Island in the Azores, where it is said to have been introduced in the nineteenth century.

Figs. G. A. Boulenger, T. Z. S. 21, 1916, pl. 7, figs. 1-9 : photographs.

Two presented 10 Oct. 1878, by Mr. A. D. Bartlett.

Genus **Algyroides** Bibron & Bory de St. Vincent,
Exp. Sci. Morée, Rept. p. 67, 1833.

Species :

	Page
1. <i>fitzingeri</i>	131
2. <i>nigropunctatus</i>	132

- 366 *Algyroides fitzingeri* (Wiegmann), Herp. Mex. p. 10, 1834.

Algyroides fitzingeri G. A. Boulenger, Brit. Mus. Mon. Lacert. 1, p. 340, 1920.

Fitzinger's Lizard.

Hab. Corsica and Sardinia.

Figs. Egid Schreiber, *Herp. europ.* 1875, p. 450, fig. 88, as *Notopholis fitzingeri*: head, uncoloured. Camerano, *Mem. Ac. Sci. Torino*, **37**, Mon. Saur. Ital. 1885, pl. 2, figs. 12-14, as *Lacerta fitzingeri*: head, uncoloured.

One deposited 10 June, 1903.

367. *Algyroides nigropunctatus* (Duméril & Bibron), *Erp. gén.* **5**, p. 190, 1839.

Algyroides nigropunctatus G. A. Boulenger, *Brit. Mus. Mon. Lacert.* **1**, p. 345, 1920.

Corfu Lizard.

Hab. South-east Europe: countries and islands on the eastern side of the Adriatic, from Istria and Carniola southwards to the Ionian Islands.

Figs. Egid Schreiber, *Herp. europ.* 1875, p. 453, fig. 89, as *Notoplolis nigropunctata*: head, uncoloured. Nimmi, *Atti Soc. Ital.* **29**, 1886, pl. 8, as *Lacerta (Notopholis) nigropunctata*.

One received in exchange 11 Sept. 1871.

Genus **Acanthodactylus** Wiegmann, *Herp. Mex.* p. 10, 1834.

Species:

	Page
1. <i>erythrurus</i>	132
2. <i>pardalis</i>	133
3. <i>schreiberi</i>	133
4. <i>boskianus</i>	133
5. <i>scutellatus</i>	133

368. *Acanthodactylus erythrurus* (Schinz), *Naturg. Abbild. Rept.* p. 102, 1833.

Acanthodactylus vulgaris Duméril & Bibron 1839.

Spanish Fringe-fingered Lizard. Spine-foot Lizard.

Hab. South-west Europe and north-west Africa: Spain, Portugal, Morocco and Algeria, and in parts of Tunisia.

Figs. G. A. Boulenger, *P. Z. S.* 1881, pl. 64, figs. 4 a, 4 b: head, uncoloured.

Three presented 23 June, 1884, by Mr. W. C. Tait, C.M.Z.S.

369. *Acanthodactylus pardalis* (Lichtenstein), Verz.
 Doubl. Mus. Berlin, p. 99, 1823.
 Leopard Fringe-fingered Lizard.
Hab. North Africa: Algeria, Tunisia, Tripoli and
 western Egypt; has also been found in Palestine.
Fig. Anderson, Zool. Egypt, Rept. 1898, pl. 21.
 One presented 12 Jan. 1897, by Mr. H. B. Hewetson,
 F.Z.S.
370. *Acanthodactylus schreiberi* G. A. Boulenger, Bull.
 Soc. Zool. France, 1878, p. 188. *v.* Brit. Mus.,
 Mon. Lacert. 2, p. 78, 1921.
Acanthodactylus syriacus.
 Schreiber's Fringe-fingered Lizard.
Hab. South-west Asia: Palestine, Syria and Cyprus.
Figs. G. A. Boulenger, P. Z. S. 1881, pl. 63, figs. 4 a,
 4 b: head, uncoloured.
 Four deposited 5 June, 1901.
371. *Acanthodactylus boskianus* (Daudin), Hist. Nat.
 Rept. 3, p. 188, 1802.
 Daudin's Fringe-fingered Lizard.
Hab. North Africa and south-west Asia: from Algeria
 and the southern Sahara to Egypt and Eritrea, Sinai,
 Palestine, Arabia and Mesopotamia.
Fig. Anderson, Zool. Egypt, Rept. 1898, pl. 20.
 One presented in 1909 by Capt. S. S. Flower, F.Z.S.
372. *Acanthodactylus scutellatus* (Audouin), Descr.
 Égypte, Rept. Suppl. p. 117, 1827, 1829.
 Audouin's Fringe-fingered Lizard.
Hab. North Africa and south-west Asia: widely
 distributed, in suitable localities, from Senegal and
 Morocco to Palestine and Mesopotamia.
Fig. Anderson, Zool. Egypt, Rept. 1898, pl. 22.
 One presented 29 June, 1849, by the Hon. Charles A.
 Murray.

Genus **Psammodromus** Fitzinger, Neue
Class. Rept. p. 22, 1826.

Species :

	Page
1. <i>hispanicus</i>	134
2. <i>microdactylus</i>	134
3. <i>algirus</i>	134

373. *Psammodromus hispanicus* Fitzinger, Neue Class.
Rept. p. 22, 1826.

Spanish Sand-Lizard.

Hab. South-west Europe: Spain, Portugal and in
parts of southern France.

Fig. Dugès, Ann. Sc. Nat. 16, 1829, pl. 14, as "Lézard
d'Edwards": head, etc., uncoloured.

Date when first received—not known.

374. *Psammodromus microdactylus* (Boettger), Zool.
Anz. 4, p. 571, 1881,

Moroccan Sand-Lizard.

Hab. North-west Africa: Morocco.

Figs. Doumergue, Erp. Oran. 1901, pl. 9, figs. 6 & 7:
uncoloured.

Two, from Tangiers, presented 16 April, 1873, by
Mr. E. C. Taylor, F.Z.S., were referred to
P. hispanicus, *P. microdactylus* not having been
described till 1881.

375. *Psammodromus algirus* (Linnaeus), Syst. Nat. 1,
p. 203, 1758.

Algerian Sand-Lizard.

Hab. South-west Europe and north-west Africa:
southern France, Spain, Portugal, Morocco, Algeria
and Tunisia.

Figs. Egid Schreiber, Herp. europ. 1875, p. 456,
fig. 90, as *Tropidosaura algira*: head, uncoloured.
Doumergue, Erp. Oran. 1901, pl. 9, figs. 1-3:
uncoloured.

Two presented 23 June, 1884, by Mr. W. C. Tait,
C.M.Z.S.

Genus **Eremias** Wiegmann, Herp. Mex.
p. 9, 1834.

Species :

	Page
1. <i>rubropunctata</i>	135
2. <i>undata</i>	135
3. <i>lineocellata</i>	135

376. *Eremias rubropunctata* (Lichtenstein), Verz. Doubl.
Mus. Berlin, p. 100, 1823.

Red-spotted Lizard.

Hab. North Africa : Algerian Sahara, Tripoli and
Egypt, and in some localities in Sinai.

Figs. Anderson, Zool. Egypt, Rept. 1898, pl. 23,
figs. 5 & 6.

Two presented 17 May, 1887, by Mr. G. Wigan.

377. *Eremias undata* (A. Smith), Mag. Nat. Hist. 2,
p. 93, 1838.

Five-striped Lizard.

Hab. South Africa : from Little Namaqualand north-
wards to Angola and north-east to Bechuanaland.

Figs. Roux, Zool. Jahrb. Syst. 25, 1907, pl. 15,
figs. 10-12, as *Eremias inornata* : uncoloured.

Two purchased 29 Aug. 1927.

378. *Eremias lineocellata* Duméril & Bibron, Erp. gén.
5, p. 314, 1839.

Speckled Bush-Lizard.

Hab. South Africa : from the Cape Province north
to Damaraland, Bechuanaland and Portugese East
Africa.

Figs. A. Smith, Illustr. Zool. S. Afr. Rept. 1845, pl. 43,
fig. 2, & pl. 47, fig. 1, as *Eremias annulifera*, &
pl. 48, figs. 10 & 12 : heads, uncoloured.

One received 29 Aug. 1927, collected by Mr. H. B.
Cott, F.Z.S.

Family TEIIDAE.

Genera :

	Page		Page
1. <i>Tupinambis</i>	136	5. <i>Callopistes</i>	139
2. <i>Dracaena</i>	137	6. <i>Crocodylurus</i>	139
3. <i>Ameiva</i>	137	7. <i>Scolecosaurus</i>	139
4. <i>Cnemidophorus</i>	138		

Genus **Tupinambis** Daudin, Hist. Nat.
Rept. 3, p. 5, 1802.

Species:

	Page
1. <i>rufescens</i>	136
2. <i>teguixin</i>	136
3. <i>nigropunctatus</i>	137

379. *Tupinambis rufescens* (Günther), Proc. Zool. Soc.
London, 1871, p. 541.

Red Tegu. Red Teguexin.

Hab. South America : Argentina.

Figs. P. Z. S. 1871, p. 542, fig. 3 : head, uncoloured.
T. Z. S. 11, 1882, pl. 45. E. G. Boulenger, Rept. &
Batr. 1914, p. 86, upper fig. : photograph.

Five purchased 16 May, 1871, were the types of the
species.

380. *Tupinambis teguixin* (Linnaeus), Syst. Nat. 1, p. 208,
1758.

Tupinambis teguexin.

Great Tegu, or Teguexin. Salempenta (in British
Guiana).

Hab. South America : Uruguay, Brazil and the
Guianas.

Figs. Spix, Lacert. Bras. 1825, pl. 19, as *Tupinambis*
monitor. P. Z. S. 1871, p. 542, fig. 1 : head, un-
coloured.

First received before 1 April, 1852, when the London
Z. G. sent an individual to the Clifton Z. G.

381. *Tupinambis nigropunctatus* Spix, Spec. Nov.
 Lacert. Brasil. p. 18, 1825.
 Black-pointed Tegu.
Hab. South America: the Guianas, and through
 Brazil to eastern Peru.
Fig. Spix, *l. c. s.* pl. 20.
 First received in 1847, or early in 1848.

Genus **Dracaena** Daudin, Hist. Nat. Rept.
 2, p. 421, 1802.

Species:

	Page
1. <i>guianensis</i>	137

382. *Dracaena guianensis* Daudin, Hist. Nat. Rept. 2,
 p. 423, 1802.
 Alligator Tegu. Guiana Dragon.
Hab. South America: the Guianas and basin of the
 Amazon.
Figs. Bull. New York Zool. Soc. 31, 1928, pp. 139, 140:
 photographs.
 Two purchased 9 May, 1925.

Genus **Ameiva** G. Cuvier, Règne Anim.
 2, p. 27, 1817.

Species:

	Page
1. <i>ameiva</i>	137
2. <i>dorsalis</i>	138

383. *Ameiva ameiva* (Linnaeus), Syst. Nat. 1, p. 202,
 1758.

Ameiva surinamensis.

Surinam Lizard.

Hab. South and Central America: from Uruguay,
 Brazil and the Guianas to Costa Rica.

Figs. Spix, Lacert. Bras. 1825, pl. 23, as *Tejus ameiva*.
 Biol. C.-Amer. Rept. 1894, pl. 19: uncoloured.

Three presented 29 Sept. 1900, by Capt. Albert Pam,
 F.Z.S.

384. *Ameiva dorsalis* J. E. Gray, Ann. Nat. Hist. 1,
p. 277, 1838.

Jamaican Lizard.

Hab. West Indies : Jamaica.

Fig. Bocourt, Miss. Sci. Mex. Rept. 1874, pl. 20 B,
fig. 1 : head, uncoloured.

One presented 28 April, 1864, by Capt. Abbott.

Genus **Cnemidophorus** Wagler, Syst.
Amphib. p. 154, 1830.

Species :

	Page
1. <i>murinus</i>	138
2. <i>guttatus</i>	138
3. <i>ocellifer</i>	138

385. *Cnemidophorus murinus* (Laurenti), Syn. Rept.
p. 63, 1768.

West Indian Wall-Lizard.

Hab. South America : Guianas, Trinidad.

Fig. Bocourt, Miss. Sc. Mex. Rept. 1874, pl. 20 c,
fig. 1 : head, uncoloured.

First received before 8 Sept. 1853. About the years
1853 to 1859 there appear to have been many
Lizards of this species, or of allied species, in the
Gardens.

386. *Cnemidophorus guttatus* Wiegmann, Herp. Mex.
p. 29, 1834.

Speckled Whiptail Lizard.

Hab. Central America.

Fig. Biol. C.-Amer. Rept. 1894, pl. 21 : uncoloured.

One deposited 29 Dec. 1911.

387. *Cnemidophorus ocellifer* (Spix), Spec. Nov. Lacert.
Brasil. p. 23, 1825.

Blue-spotted Whiptail Lizard.

Hab. South America : Brazil.

Figs. Spix, *l.c.s.* pl. 25. Bocourt, Miss. Sc. Mex. Rept. 1874, pl. 20 c. fig. 12, as *Cnemidophorus hygomis* Reinhardt & Lütken 1861 : head, uncoloured.

Eight deposited 2 Sept. 1904.

Genus **Callopiastes** Gravenhorst, Nova Acta
Ac. Caes. Leop.-Carol. 18, 2,
p. 743, 1838.

Species :

	Page
1. <i>flavipunctatus</i>	139

388. *Callopiastes flavipunctatus* (Duméril & Bibron),
Erp. gén. 5, p. 72, 1839.

Yellow-spotted Lizard. Peruvian Monitor Lizard.

Hab. South America : Peru.

Fig. Duméril & Bibron, *l.c.s.* pl. 51, as *Aporomera flavipunctata*.

Two presented 17 April, 1924, by Dr. B. Barnett,
C.M.Z.S.

Genus **Crocodylurus** Spix, Spec. Nov.
Lacert. Brasil. p. 19, 1825.

Species :

	Page
1. <i>lacertinus</i>	139

389. *Crocodylurus lacertinus* (Daudin), Hist. Nat. Rept.
3, p. 85, 1802.

Crocodyle-Lizard.

Hab. South America : the Guianas and Brazil.

Figs. Spix, Lacert. Bras. 1825, pl. 21, & pl. 22, fig. 1,
as *Crocodylurus amazonicus* and *C. ocellatus*.

Six presented 29 Sept. 1900, by Capt. A. Pam, F.Z.S.

Genus **Scolecosaurus** G. A. Boulenger,
Brit. Mus. Cat. Liz. 2, p. 416, 1885.

Species :

	Page
1. <i>cuvieri</i>	140

390. *Scolecosaurus cuvieri* (Fitzinger), Neue Classif. Rept. p. 50, 1826.

Cuvier's Worm-Lizard.

Hab. South America : Trinidad, Granada and Tobago.

Fig.

One presented 11 May, 1897, by Mr. R. R. Mole, C.M.Z.S.

Family AMPHISBAENIDAE.

Genera :

	Page
1. <i>Blanus</i>	140
2. <i>Amphisbaena</i>	140
3. <i>Monopeltis</i>	142
4. <i>Leposternon</i>	142
5. <i>Trogonophis</i>	143

Genus **Blanus** Wagler, Syst. Amphib. p. 197, 1830.

Species :

	Page
1. <i>cinereus</i>	140

391. *Blanus cinereus* (Vandelli), Mem. Ac. Sci. Lisboa, 1, p.^o 69, 1797. v. G. A. Boulenger, Brit. Mus. Cat. Liz. 2, p. 433, 1885.

Grey Burrowing-Lizard. Grey Amphisbaena.

Hab. South-west Europe and north-west Africa : Spain, Portugal, Morocco and Algeria.

Fig. Egid Schreiber. Herp. europ. ed. 2, 1912, p. 520, fig. 105 : head, etc., uncoloured.

The first received was one presented 13 March, 1877, by Mr. J. Goddard ; it had been brought to England accidentally in the roots of a hot-house plant from Port St. Mary, in Spain.

Genus **Amphisbaena** Linnaeus, Syst. Nat. 1, p. 229, 1758.

Species :

	Page
1. <i>fuliginosa</i>	141
2. <i>alba</i>	141
3. <i>darwinii</i>	141
4. <i>brasiliana</i>	141
5. <i>townsendi</i>	141

392. *Amphisbaena fuliginosa* Linnaeus, Syst. Nat. 1, p. 229, 1758.
Sooty Burrowing-Lizard, or *Amphisbaena*.
Hab. South America: from the Guianas and Brazil to Ecuador and Peru.
Fig. E. G. Boulenger, Rept. & Batr. 1914, p. 86, lower fig.: photograph.
One presented 9 April, 1881, by Mr. G. H. Hawtayne, C.M.Z.S.
393. *Amphisbaena alba* Linnaeus, Syst. Nat. 1, p. 229, 1758.
White Burrowing-Lizard, or *Amphisbaena*.
Hab. South America: Brazil.
Fig. Wied, Abbild. Nat. Brasil. 1822-1831. Rept. pl. 47, fig. 2, as *Amphisbaena flavescens*.
One presented 13 Sept. 1880, by Dr. A. Stradling, C.M.Z.S.
394. *Amphisbaena darwini* Duméril & Bibron, Erp. gén. 5, p. 490, 1839.
Darwin's Burrowing-Lizard, or *Amphisbaena*.
Hab. South America: southern Brazil, Paraguay, Uruguay and Argentina.
Fig.
One purchased 16 Jan. 1879.
395. *Amphisbaena brasiliana* (J. E. Gray), Proc. Zool. Soc. London, 1865, p. 448.
Brazilian Burrowing-Lizard, or *Amphisbaena*.
Hab. South America: Brazil.
Figs. P. Z. S. 1865, p. 449, figs. 1 & 2, as *Bronia brasiliana* J. E. Gray 1865: head, uncoloured.
One presented 13 Sept. 1880, by Mr. W. A. Forbes, F.Z.S.
396. *Amphisbaena townsendi* Stejneger, Proc. U.S. Nat. Mus. 41, p. 283, 1911.
Townsend's Burrowing-Lizard, or *Amphisbaena*.

Hab. South America: Peru.

Fig.

One presented 30 July, 1926, by Dr. B. Barnett,
C.M.Z.S.

Genus **Monopeltis** A. Smith, *Illustr. Zool.*
S. Afr. Rept. text to pl. 67, 1849.

Species:

	Page
1. <i>capensis</i>	142

397. *Monopeltis capensis* A. Smith, *Illustr. Zool. S. Afr.*
Rept. text to pl. 67, 1849.

Cape Burrowing-Lizard, or Amphisbaena.

Hab. South Africa.

Figs. A. Smith, *l. c. s.* pl. 67. *Brit. Mus. Cat. Liz.* 2,
1885, pl. 24, figs. 1A-1D: head, etc., uncoloured.

First received 28 May, 1919, when one arrived by post,
with no particulars, from an unknown donor. It
lived in the Gardens till 25 April, 1921.

Genus **Leposternon** Wagler, in Spix, *Spec.*
Nov. Serp. Brasil. p. 70, 1824.

Species:

	Page
1. <i>polystegum</i>	142

398. *Leposternon polystegum* (A. Duméril), *Cat. Méth.*
Rept. Paris, p. 149, 1851.

Lepidosternon polystegum G. A. Boulenger, *Brit.*
Mus. Cat. Liz. 2, p. 464, 1885.

Lepidosternum polystegum P. L. Sclater, *List.*
ed. 9, p. 592, 1896.

Gray's Burrowing-Lizard, or Amphisbaena.

Hab. South America: Brazil.

Figs. P. Z. S. 1865, p. 453, figs. 5 & 6, as *Lepido-*
sternon grayi A. Smith, MS. *Brit. Mus.*: head,
uncoloured.

One presented 17 Aug. 1880, by Mr. W. A. Forbes,
F.Z.S.

Genus **Trogonophis** Kaup, Isis, 23,
p. 880, 1830.

Species :

	Page
1. <i>wiegmanni</i>	143

399. *Trogonophis wiegmanni* Kaup, Isis, 23, p. 880, 1830.
Wiegmann's Burrowing-Lizard, or Amphisbaena.
Hab. North-west Africa : Morocco and Algeria.
Fig.
One presented 13 Dec. 1858, by Dr. D. W. Mitchell.

Family VARANIDAE.

Genus :

	Page
1. <i>Varanus</i>	143

Genus **Varanus** Merrem, Tent. Syst. Amphib.
p. 58, 1820.

Species :

	Page		Page
1. <i>griseus</i>	143	8. <i>salvator</i>	145
2. <i>exanthematicus</i>	144	9. <i>nitoticus</i>	146
3. <i>ocellatus</i>	144	10. <i>varius</i>	146
4. <i>albipilaris</i>	144	11. <i>komodoensis</i>	146
5. <i>flavescens</i>	144	12. <i>giganteus</i>	147
6. <i>monitor</i>	145	13. <i>gouldii</i>	147
7. <i>nebulosus</i>	145	14. <i>acanthurus</i>	147

400. *Varanus griseus* (Daudin), Hist. Nat. Rept. 8, p. 352,
1803.

Grey Monitor. Desert Waral-Lizard.

Hab. North Africa and west Asia : from western
Algeria to Egypt and Nubia, and from Sinai to the
Caspian Sea and north-western India.

Figs. Anderson, Zool. Egypt, Rept. 1898, pl. 16.
E. G. Boulenger, Rept. & Batr. 1914, p. 78, fig. a :
photograph.

A female *Varanus* was living in the Gardens in the
summer of 1831, but we do not know to what species
it belonged. The first definite record of *Varanus*
griseus is of one presented 29 June, 1849, by the
Hon. Charles A. Murray.

401. *Varanus exanthematicus* (L. Bosc), Actes Soc. Hist. Nat. Paris, 1 (1), p. 25, 1792. *v.* Sherborn, Index Anim. p. 342, 1902.
 Alternative name *Varanus exanthematicus exanthematicus*.
 Bosc's Monitor.
Hab. Tropical Africa: Senegambia to Lake Chad and the head-waters of the Bahr el Ghazal.
Figs. K. P. Schmidt, Bull. Amer. Mus. Nat. Hist. 39, 1919, pl. 19 & pl. 20, fig. 1: photographs.
 One purchased 30 June, 1860.
402. *Varanus ocellatus* Heyden, in Rüppell, Atlas, nördl. Afr. Rept. p. 21, 1827.
 Alternative name *Varanus exanthematicus ocellatus*.
 Eyed Monitor.
Hab. Northern tropical Africa: from Mauritania to the White and Blue Nile systems, Abyssinia and East Africa.
Figs. Heyden, *l. c. s.* pl. 6. Anderson, Zool. Egypt, Rept, 1888, pl. 17.
 First received between 29 April, 1860, and 29 April, 1861.
403. *Varanus albigularis* (Daudin), Hist. Nat. Rept. 3, p. 72, 1802.
 Alternative name *Varanus exanthematicus albigularis*.
 White-throated Monitor.
Hab. South and south tropical Africa: from the Cape Province northwards to Angola and Nyassaland.
Figs. A. Smith, Illustr. Zool. S. Afr. Rept. 1849, pl. 2, as *V. albogularis*. Peters, Reise Mossamb. 3, 1882, pl. 4, fig. 3, as *Monitor albogularis*: head. E. G. Boulenger, Rept. & Batr. 1914, p. 79, lower fig.: photograph.
 One purchased March 1861.
404. *Varanus flavescens* (J. E. Gray), in Griffith, Anim. Kingd. 9, Syn. p. 25, 1831.
 Yellow Monitor. Short-toed Monitor.

Hab. South-east Asia: eastern India, Burma and the Malay Peninsula.

Figs. J. E. Gray, *Illustr. Ind. Zool.* 2, 1834, pl. 67, as *Monitor flavescens*. Günther, *Rept. Brit. Ind.* 1864, pl. 9, figs. A, A': head and hand, uncoloured.

One presented 5 Aug. 1890, by Capt. W. J. Rule.

405. *Varanus monitor* (Linnaeus), *Syst. Nat.* 1, p. 201, 1758.

Varanus bengalensis (Daudin), *Hist. Nat. Rept* 3, p. 67, 1802. G. A. Boulenger, *Brit. Mus. Cat. Liz.* 2, p. 310, 1885.

Bengal Monitor.

Hab. India and Ceylon.

Figs. Günther, *Rept. Brit. Ind.* 1864, pl. 9, fig. B, as *V. dracaena*: head, uncoloured. G. A. Boulenger, *Faun. Brit. Ind. Rept.* 1890, p. 162, fig. 50, A: head, uncoloured. E. G. Boulenger, *Rept. & Batr.* 1914, p. 78, fig. c: photograph.

Two received in exchange 20 Oct. 1884.

406. *Varanus nebulosus* (J. E. Gray), in Griffith, *Anim. Kingd.* 9, *Syn.* p. 27, 1831.

Clouded Monitor.

Hab. South-east Asia: eastern India, Burma, Siam and the Malay Peninsula.

Fig. Günther, *Rept. Brit. Ind.* 1864, pl. 9, fig. D: top of head, uncoloured.

Eleven presented in 1924 by Capt. H. L. Holman-Hunt, C.I.E., C.M.Z.S.

407. *Varanus salvator* (Laurenti), *Syn. Rept.* p. 56, 1768.
Great Water-Lizard. Two-banded Monitor.

Hab. South-east Asia: Ceylon, eastern India, Burma, south China, Hainan, Siam, Malay Peninsula and islands, eastward to the Philippines and Moluccas, and perhaps to Torres Strait.

Figs. G. A. Boulenger, Faun. Brit. Ind. Rept. 1890, p. 162, fig. 50, b: head, uncoloured. Lydekker, Royal Nat. Hist. 5, 1896, pl. opposite p. 152. E. G. Boulenger, Rept. & Batr. 1914, p. 78, fig. b: photograph.

First received—one purchased in June 1859.

408. *Varanus niloticus* (Linnaeus), Syst. Nat. 1, p. 369, 1766.

Nile Monitor. River Waral-Lizard.

Hab. South and Tropical Africa, extending north into Egypt.

Figs. Anderson, Zool. Egypt, Rept. 1898, pl. 18. Peters, Reise Mossamb. 3, 1882, pl. 4, fig. 2.

One presented in Nov. 1861 by Mr. G. H. Horsfall.

409. *Varanus varius* (Shaw), in White, Journ. Voy. New South Wales, App. p. 253, 1790.

Lace Monitor. "Iguana" or "Goanna" (in Australia).

Hab. Australia.

Figs. Shaw, *l. c. s.* pl. 38: uncoloured. Duméril & Bibron, Érp. gén. 3, 1836, pl. 35, as *Varanus bellii*. E. G. Boulenger, Rept. & Batr. 1914, p. 79, upper fig.: photograph.

One purchased 2 July, 1878.

410. *Varanus komodoensis* Ouwens, Bull. Jardin Bot. Buitenzorg (2), 6, p. 1, 1912. v. Dunn, Amer. Mus. Novit. 286, pp. 1-10, 1927.

Komodo Monitor. Komodo Dragon.

Hab. Lesser Sunda Islands: occurs on four islands, Komodo, Rindja, Padar and the western end of Flores.

Figs. Ouwens, *l. c. s.* pls. 1-3. Burden, Journ. Amer. Mus. Nat. Hist. 27, no. 1, 1927, pp. 3, 12, 14, 15 & 17: photographs. Procter, P. Z. S. 1928, p. 1018: photograph.

Two deposited 15 June, 1927, by Dr. Malcolm A. Smith, F.Z.S.

416. *Heloderma suspectum* Cope, Proc. Ac. Nat. Sci. Philad. 21, p. 5, 1869,
 Gila Monster. Arizona Poisonous Lizard.
Hab. North America: Arizona, and northwards into southern Utah and Nevada.
Figs. Baird, U.S. Mex. Bound. Surv. 2, 1859, Rept. pl. 26, as *Heloderma horridum*: uncoloured. Cope, Ann. Rept. U.S. Nat. Mus. 1898 (1900), p. 477, fig. 87: head, etc., uncoloured. E. G. Boulenger, Rept. & Matr. 1914, p. 75: photograph.
 The first received was presented 16 July, 1882, by Sir John Lubbock, Bart., F.R.S., F.Z.S.

Family ANGUIDAE.

Genera:

	Page
1. <i>Gerrhonotus</i>	149
2. <i>Ophisaurus</i>	150
3. <i>Anguis</i>	151

Genus **Gerrhonotus** Wiegmann, Isis, 21,
 p. 379, 1828.

Species:

	Page
1. <i>coeruleus</i>	149
2. <i>multicarinatus</i>	150

417. *Gerrhonotus coeruleus* Wiegmann, Isis, 21, p. 380, 1828.
 Blue Plated-Lizard. Alligator-Lizard (in America).
Hab. North America: coast region of northern California, with closely allied forms north to Vancouver Island and south to Central America.
Figs. Biol. C.-Amer. Rept. 1885-1902, pl. 25, figs. A-D: uncoloured. Cope, Ann. Rept. U.S. Nat. Mus. 1898 (1900), p. 527, fig. 94: head, etc., uncoloured, as *G. burnettii* J. E. Gray 1839.
 One deposited 5 Feb. 1900.

418. *Gerrhonotus multicarinatus* (Blainville), Nouv. Ann. Mus. Hist. Nat. Paris, 4, p. 289, 1835.
 Many-keeled Plated-Lizard. Alligator-Lizard (in America).
Hab. North America: Lower California.
Figs. Blainville, *l. c. s.* pl. 25, fig. 2. Bull. New York Zool. Soc. 31, 1928, p. 134: photographs.
 One purchased 17 July, 1925.

Genus **Ophisaurus** Daudin, Bull. Soc. philom. Paris, 3, no. 72, p. 188, 1803.

Species:

	Page
1. <i>apodus</i>	150
2. <i>koellikeri</i>	150
3. <i>ventralis</i>	151

419. *Ophisaurus apodus* (Pallas), Nov. Comm. Sci. Petrop. 19, p. 435, 1775, & Reise versch. Prov. Russ. Reich. 3, p. 702, 1776.
Ophisaurus apus G. A. Boulenger, Brit. Mus. Cat. Liz. 2, p. 280, 1885.
Ophisaurus apus P. I. Scater, List, ed. 9, p. 587, 1896.
Pallas's Glass-Snake. Scheltopusik. Blavor.
Hab. South-east Europe and south-west Asia: Istria, the Balkan Peninsula, Rumania, the Crimea, Caucasia, Transcaspia, Turkestan, Persia, Asia Minor, Syria and Palestine.
Figs. Gravenhorst, Nova Acta Acad. Caes. Leop.-Carol. 23, 1, 1851, pl. 45, as *Pseudopus pallasii*: head, etc. uncoloured. E. G. Boulenger, Rept. & Batr. 1914, p. 74, fig. c: photograph.
 In Gardens before 11 March, 1853.

420. *Ophisaurus koellikeri* (Günther), Ann. Mag. Nat. Hist. (4) 11, p. 351, 1873.
 Kölliker's Glass-Snake.

Hab. North-east Africa : Morocco.

Figs. Brit. Mus. Cat. Liz. 2, 1885, pl. 15, fig. 2 : head, uncoloured. Novit. Zool. Tring, 12, 1905, pl. 1 : uncoloured.

Described from an individual that was alive in London early in 1873 ; it belonged to Mr. Jamrach. One was presented to the Society 7 Aug. 1925, by Mr. H. Powell and Mr. W. H. St. Quintin, F.Z.S.

421. *Ophisaurus ventralis* (Linnaeus), Syst. Nat. 1, p. 391, 1766.

Ophisaurus ventralis.

American Glass-Snake. Joint-Snake.

Hab. North America : southern United States, from Virginia and Tennessee to Wisconsin and New Mexico, and Mexico.

Figs. Holbrook, N. Amer. Herp. 2, 1842, pl. 20. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 495, fig. 88 : head, etc., uncoloured.

Three deposited 5 Feb. 1900.

Genus **Anguis** Linnaeus, Syst. Nat. 1,
p. 227, 1758

Species :

	Page
1. <i>fragilis</i>	151

422. *Anguis fragilis* Linnaeus, Syst. Nat. 1, p. 229, 1758.
Slowworm. Blindworm.

Hab. Europe, west Asia, north-west Africa : England, Scotland and all continental Europe except northern Norway, Lapland and the north of Russia ; in Sweden and Finland it occurs at the head of the Gulf of Bothnia up to the Arctic Circle : Asia Minor, Transcaucasia and eastern Siberia : northern Algeria.

Fig. Cooke, Our Reptiles, ed. 2, 1893, pl. 2, fig. 2.

The first record of Slowworms received appears to be of six presented 27 July, 1849, by Mr. W. Rogers. Young were born in the Gardens in 1849 or 1850.

Family ANNIELLIDAE.

Genus :

	Page
1. <i>Anniella</i>	152

Genus **Anniella** J. E. Gray, Ann. Mag. Nat. Hist. (2) 10, p. 440, 1852.

Species :

	Page
1. <i>pulchra</i>	152

423. *Anniella pulchra* J. E. Gray, Ann. Mag. Nat. Hist. (2) 10, p. 440, 1852.

Californian Worm-Lizard. Silvery Footless Lizard.

Hab. North America: California and Lower California.

Fig. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 674, fig. 138: head, etc., uncoloured.

One arrived in London 24 Dec. 1927, presented 2 Jan. 1928, by Prof. E. Hindle, F.Z.S.

Family ZONURIDAE.

Genera :

	Page
1. <i>Zonurus</i>	152
2. <i>Pseudocordylus</i>	153
3. <i>Chamaesaura</i>	154

Genus **Zonurus** Merrem, Tent. Syst Amphib. p. 57, 1820.

Species :

	Page
1. <i>giganteus</i>	152
2. <i>cordylus</i>	153
3. <i>polyzonus</i>	153

424. *Zonurus giganteus* (A. Smith), Illustr. Zool. S. Afr. Rept. text to pl. 35, 1844.

Zonurus derbianus.

Lord Derby's Zonure, or Girdled-Lizard.

Hab. South Africa.

Figs. A. Smith, *l.c.s.* pls. 35 & 36, as *Cordylus giganteus*. P. Z. S. 1913, pl. 74. E. G. Boulenger, Rept. & Batr. 1914, p. 71: photograph.

Two purchased 8 Aug. 1881.

425. *Zonurus cordylus* (Linnaeus), Syst. Nat. 1, p. 202, 1758.

Rough-scaled Girdled-Lizard.

Hab. South Africa: Cape Province.

Figs. A. Smith, Illustr. Zool. S. Afr. Rept. 1844-1849, pl. 28, figs. 2, 3, & pl. 30, fig. 8, as *Cordylus griseus*.

Eighteen presented 8 July, 1882, by the Rev. G. H. R. Fisk, C.M.Z.S.

426. *Zonurus polyzonus* (A. Smith), Mag. Nat. Hist. 2, p. 31, 1838.

Many-zoned Girdled-Lizard.

Hab. South Africa.

Figs. A. Smith, Illustr. Zool. S. Afr. Rept. 1844-1849, pl. 28, fig. 1 & pl. 30, fig. 7, as *Cordylus polyzonus*.

One presented 2 Aug. 1917, by Dr. R. Broom, C.M.Z.S.

Genus **Pseudocordylus** A. Smith, Mag. Nat. Hist. 2, p. 32, 1838.

Species:

	Page
1. <i>microlepidotus</i>	153

427. *Pseudocordylus microlepidotus* (G. Cuvier), Règne Anim. ed. 2, 2, p. 33, 1829.

Small-scaled Girdled-Lizard.

Hab. South Africa: Cape Province to the Transvaal.

Figs. A. Smith, Illustr. Zool. S. Afr. Rept. 1844-1849, pls. 24-26 & 30, figs. 1-4, as *Cordylus microlepidotus*. E. G. Boulenger, Rept. & Batr. 1914, p. 74, fig. a: photograph.

Three deposited 7 May, 1913.

Genus **Chamaesaura** Schneider, Hist.
Amphib. 2, opp. p. 204, 1801.

Species :

	Page
1. <i>anguina</i>	154

428. *Chamaesaura anguina* (Linnaeus), Syst. Nat. 1,
p. 210, 1758.

Chamaesaura anguina P. L. Sclater, List, ed. 9,
p. 587, 1896.

Snakelike Girdled-Lizard.

Hab. South Africa : Cape Province.

Figs. Daudin, Hist. Nat. Rept. 4, 1802, pl. 58, fig. 1,
as *Seps monodactylus*. P. Z. S. 1927, Essex, pl. 2,
fig. 1 : photograph.

One presented 28 May, 1880, by Mr. E. Pillans.

Order 5. SERPENTES.

Families :

	Page		Page
1. Typhlopidae	154	7. Colubridae	170
*2. Leptotyphlopidae ..	—	8. Hydrophiidae	244
3. Boidae	156	9. Elapidae	245
4. Anilidae	168	10. Viperidae.....	257
*5. Uropeltidae	—	11. Crotalidae	264
6. Xenopeltidae	169		

Family TYPHLOPIDAE.

Genus :

	Page
1. <i>Typhlops</i>	154

Genus **Typhlops** Schneider, as *Typhlopes*,
Hist. Amphib. 2, p. 339, 1801.

Species :

	Page
1. <i>braminus</i>	155
2. <i>vermicularis</i>	155
3. <i>nigroalbus</i>	155
4. <i>exocoeti</i>	155
5. <i>punctatus</i>	156
6. <i>lalandei</i>	156

* These two families have not been represented alive in the Gardens,
31 Dec. 1927.

429. *Typhlops braminus* (Daudin), Hist. Nat. Rept. 7, p. 279, 1803.
 Brahmin Blind-Snake.
Hab. Southern Asia, islands of the Indian Ocean, tropical and southern Africa and Mexico.
Figs. A. Smith, Illustr. Zool. S. Africa, Rept. 1845, pl. 51, fig. 3, as *Onychocephalus capensis*. Günther, Rept. Brit. Ind. 1864, pl. 16, fig. 1: head, uncoloured. G. A. Boulenger, Fauna Malay Pen. Rept. 1912, p. 101, fig. 28: head, uncoloured.
 One, from India, was presented before June 1833 by Mr. F. D. Bennett.
430. *Typhlops vermicularis* Merrem, Tent. Syst. Amphib. p. 158, 1820.
 Greek Blind-Snake.
Hab. Western Asia, south-east Europe and north-east Africa: from Afghanistan to Greece and Bulgaria, and to Syria and Egypt.
Figs. G. A. Boulenger, Snakes Europe, 1913, pl. 1, upper fig., & p. 144, fig. 14: uncoloured.
 Two deposited 2 May, 1901.
431. *Typhlops nigroalbus* Duméril & Bibron, Erp. gén. 6, p. 295, 1844.
Typhlops diardi nigroalbus M. A. Smith, J. Nat. Hist. Soc. Siam, 6, p. 62, 1923.
 Black-and-white Blind-Snake.
Hab. South-east Asia: Malay Peninsula and Sumatra. Apparently a southern form of *Typhlops diardi* Schlegel 1844, which occurs further north, in eastern India, Burma and Cochinchina.
Figs. Günther, Rept. Brit. Ind. 1864, pl. 16, fig. F: head, uncoloured. G. A. Boulenger, Fauna Malay Pen. Rept. 1912, p. 104, fig. 29: uncoloured.
 One purchased 19 July, 1870.
432. *Typhlops exocoeti* G. A. Boulenger, Proc. Zool. Soc. London, 1887, p. 517.
 Christmas Island Blind-Snake

Hab. Christmas Island, Indian Ocean.

Fig. Brit. Mus. Cat. Snakes, 1, 1893, pl. 3, fig. 2 : head, uncoloured.

Two presented 25 April, 1901, by Sir John Murray, C.M.Z.S.

433. *Typhlops punctatus* (Leach), in Bowditch, Miss. Ashantee, p. 493, 1819.

Spotted Blind-Snake.

Hab. Tropical Africa : from the Gambia to the Upper Nile, and south to Angola and Dar es Salaam.

Figs. E. G. Boulenger, Rept. & Batr. 1914, p. 113, fig. c : photograph. G. A. Boulenger, P. Z. S. 1915, p. 194, text-fig. 1 : head, uncoloured.

One presented 15 April, 1910, by Dr. H. G. F. Spurrell.

434. *Typhlops lalandei* Schlegel, Abbild. Amphib. p. 38, 1844.

Typhlops delalandii G. A. Boulenger, Brit. Mus. Cat. Snakes, 1, p. 45, 1893.

Delalande's Blind-Snake.

Hab. South Africa : Cape Province.

Figs. Schlegel, *l. c. s.* pl. 32, figs. 17-20, as *T. lalandei* : head, uncoloured, A. Smith, Illustr. Zool. S. Afr. Rept. 1845, pl. 51, fig., as *Onychocephalus delalandii*.

One presented 15 Oct. 1881, by the Rev. G. H. R. Fisk, C.M.Z.S.

Family BOIDAE.

Genera :

	Page		Page
1. <i>Liasis</i>	157	8. <i>Eunectes</i>	163
2. <i>Python</i>	157	9. <i>Constrictor</i>	164
3. <i>Calabaria</i>	159	10. <i>Gongylophis</i>	166
4. <i>Epicrates</i>	159	11. <i>Eryx</i>	166
5. <i>Boa</i>	161	12. <i>Lichanura</i>	167
6. <i>Sanzinia</i>	162	13. <i>Charina</i>	168
7. <i>Ungalia</i>	162		

Genus **Liasis** J. E. Gray, Zool. Miscell.
London, p. 44, 1842.

Species :

	Page
1. <i>fuscus</i> ,	157

435. *Liasis fuscus* Peters, Mon. Berlin Ak. 1873, p. 607.
Brown Python. Yellow-bellied Snake.
Hab. Northern Australia and New Guinea.
Fig. Günther, A. M. N. H. (5) 3 1879, p. 85, fig. 1,
as *L. cornicallisus* : head, uncoloured.
One deposited 24 Feb. 1904.

Genus **Python** Daudin, Hist. Nat. Rept.
5, p. 226, 1803.

Species :

	Page
1. <i>pilotus</i>	157
2. <i>reticulatus</i>	158
3. <i>sebae</i>	158
4. <i>molurus</i>	158
5. <i>regius</i>	158
6. <i>curtus</i>	159

436. *Python pilotus* (Lacépède), Ann. Mus. Hist. Nat.
Paris, p. 209, 1804.
Python spilotes G. A. Boulenger, Brit. Mus. Cat.
Snakes, 1, p. 82, 1893.
Diamond-Python. Carpet-Python. Carpet-Snake.
Hab. Australia and New Guinea.
Figs. Jan, Icon. gén. Ophid. 1, 7, 1864, pl. 5, as
Morelia argus: uncoloured. Krefft, Snakes Australia,
1869, pls. 1 & 2, as *Morelia spilotes* and *Morelia*
variegata. E. G. Boulenger, Rept. & Batr. 1914,
p. 119: photographs.
First received—one presented between 29 April, 1846,
and 29 April, 1847, by Dr. Rutherford.

437. *Python reticulatus* (Schneider), Hist. Amphib. 2, p. 264, 1801.

Reticulate Python.

Hab. East Indies: Burma and Indo-China, Malay Peninsula and islands.

Figs. Jan, Icon. gén. Ophid. 1, 8, 1864, pl. 6: uncoloured. G. A. Boulenger, Faun. Malay Pen. Rept. 1912, p. 107, fig. 32, B: head, uncoloured.

First received in 1848, or early in 1849.

438. *Python sebae* (J. F. Gmelin), Syst. Nat. 1, p. 1118, 1788.

African Python.

Hab. South and tropical Africa: extending north to Senegambia and to the White and Blue Niles.

Figs. Smith, Illustr. Zool. S. Afr. Rept. 1840, pl. 9, as *Python natalensis*. Duméril & Bibron, Erp. gén. 6, 1844, pl. 61.

First received in 1843, or early in 1844.

439. *Python molurus* (Linnaeus), Syst. Nat. 1, p. 225, 1758.

Indian Python. Indian Rock-Python. Tiger-Python.

Hab. East Indies: India and Ceylon; also said to occur in South China, the Malay Peninsula, Java and Celebes.

Figs. Jan, Icon. gén. Ophid. 1, 8, 1864, pl. 2: uncoloured. G. A. Boulenger, Faun. Malay Pen. Rept. 1912, pp. 106, 107, figs. 30 & 32, A: heads, uncoloured. E. G. Boulenger, Rept. & Batr. 1914, p. 115: photograph.

First received before June 1833.

440. *Python regius* (Shaw), Gen. Zool. 3, p. 347, 1802.

Royal Python.

Hab. Tropical Africa: from Gambia to the Bahr el Ghazal.

Figs. Shaw, *l. c. s.* pl. 96: uncoloured. Jan, Icon. gén. Ophid. 1, 8, 1864, pl. 5: uncoloured. E. G. Boulenger, Rept. & Batr. 1914, p. 118: photograph.

First received in 1849: before 13 Nov. 1849.

441. *Python curtus* Schlegel, Dierentuin, Rept. p. 54, 1872.
 Short Python. Blood-Python.
Hab. Malay Peninsula, Sumatra and Borneo.
Figs. Schlegel, *l. c. s.* wood-cut : uncoloured. P. Z. S.
 1889, pl. 45.
 One presented 2 July, 1889, by Mrs. Bonsor.

Genus **Calabaria** J. E. Gray, Proc. Zool.
 Soc. London, 1858, p. 154.

Species :

	Page
1. <i>reinhardtii</i>	159

442. *Calabaria reinhardtii* (Schlegel), Bijdr. tot de
 Dierk. 1, p. 2, 1848. c. G. A. Boulenger, Brit.
 Mus. Cat. Snakes, 1, p. 92, 1893.
 Calabar Ground-Python.
Hab. West Africa : Liberia to the Congo, eastwards
 to the Ituri.
Figs. P. Z. S. 1858, Rept. pl. 14, as *C. fusca* J. E.
 Gray 1858 : uncoloured. E. G. Boulenger, Rept. &
 Batr. 1914, p. 126, lower figure : photograph.
 K. P. Schmidt, Bull. Amer. Mus. Nat. Hist. 49,
 1923, pl. 2 : photographs.
 One presented 16 Jan. 1912, by Mr. S. H. Carnelley.

Genus **Epicrates** Wagler, Syst. Amphib.
 p. 168, 1830.

Species :

	Page
1. <i>cenchris</i>	159
2. <i>angulifer</i>	160
3. <i>striatus</i>	160
4. <i>inornatus</i>	160

443. *Epicrates cenchris* (Linnaeus), Syst. Nat. 1, p. 215,
 1758.
 Rainbow Boa. Thick-necked Tree-Boa. Ringed Boa.
 "Aboma."

Hab. Tropical America: from northern Peru and northern Brazil to Central America, as far north as Costa Rica.

Figs. Jan, Icon. gén. Ophid. 1, 8, 1864, pl. 1: uncoloured. E. G. Boulenger, Rept. & Batr. 1914, p. 123, upper fig.: photograph.

First received in 1848, or early in 1849.

444. *Epicrates angulifer* Bibron, in Ramon de la Sagra, Hist. Cuba, Rept. p. 129, 1843.

Cuban Tree-Boa.

Hab. West Indies: Cuba.

Figs. Bibron, *l. c. s.* pl. 25. Jan, Icon. gén. Ophid. 1, 6, 1864, pl. 6: uncoloured.

Four purchased 25 Jan. 1865.

445. *Epicrates striatus* (Fischer), Abh. naturw. Ver. Hamb. 3, p. 102, 1856. v. G. A. Boulenger, Brit. Mus. Cat. Snakes, 1, p. 96, 1893.

Fischer's Tree-Boa.

Hab. West Indies: San Domingo and the Bahamas.

Fig. Jan, Icon. gén. Ophid. 1, 6, 1864, pl. 4, as *Homalochilus striatus*: uncoloured.

It is not known when this species was first received in the Gardens.

P. L. Sclater, List, ed. 8, 1883, p. 600 (v. also P. Z. S. 1878, p. 789), records three hybrid Boas born in the Gardens 30 Aug. 1878, *E. inornatus* ♂ × *E. angulifer* ♀, and two hybrid Boas born in the Gardens 9 Sept. 1879, *E. angulifer* ♂ × *E. inornatus* ♀. All five individuals are referred by G. A. Boulenger, *l. c. s.* p. 97, to *E. striatus*.

446. *Epicrates inornatus* (Reinhardt), Kong. Danske Vidensk. Selsk. Afhand. 10, p. 253, 1843.

Yellow Tree-Boa.

Hab. West Indian Islands: Jamaica, San Domingo, Porto Rico.

Figs. Reinhardt, *l. c. s.* pl. 1, figs. 21-23: head, uncoloured. Jan, *Icon. gén. Ophid.* 1, 6, 1864, pl. 5, as *Chilabothrus inornatus*: uncoloured.

First received in 1851.

Forty-five, or more, born in the Gardens 1851-1873; some born 30 Oct. 1855, appear to have lived for over two months.

Genus **Boa** Linnaeus, *Syst. Nat.* 1,
p. 214, 1758.

Species:

	Page
1. <i>enhydris</i>	161
2. <i>hortulana</i>	161
3. <i>canina</i>	162

447. *Boa enhydris* Linnaeus, *Syst. Nat.* 1, p. 215, 1758.

Boa cookii (J. E. Gray), *Zool. Miscell. London*, p. 42, 1842.

Corallus cookii G. A. Boulenger, *Brit. Mus. Cat. Snakes*, 1, p. 99, 1893.

Cooke's Tree-Boa.

Hab. Tropical America: Colombia, Venezuela, the Guianas, Trinidad and the Windward Islands.

Fig. G. A. Boulenger, *l. c. s.* pl. 4, fig. 3: head and neck, uncoloured.

Two presented 30 June, 1893, by Sir Walter F. Hely-Hutchinson, K.C.M.G., F.Z.S.

448. *Boa hortulana* Linnaeus, *Syst. Nat.* 1, p. 215, 1758.

Corallus hortulanus G. A. Boulenger, *Brit. Mus. Cat. Snakes*, 1, p. 101, 1893.

Garden Tree-Boa.

Hab. South America: the Guianas, Brazil, north-east Peru and Ecuador.

Fig. Jan, *Icon. gén. Ophid.* 1, 7, 1864, pl. 3, as *Xiphosoma hortulanum*: uncoloured.

First received before 29 April, 1859.

449. *Boa canina* Linnaeus, Syst. Nat. 1, p. 215, 1758.
Corallus caninus G. A. Boulenger, Brit. Mus. Cat.
 Snakes, 1, p. 102, 1893.

Green Tree-Boa.

Hab. South America: the Guianas and Brazil.

Figs. Wolf, Zool. Sketches, 1861, pl. 50, as *Xiphosoma caninum*. P. Z. S. 1860, Rept. pl. 24, as *Chrysenis batesii* J. E. Gray 1860: uncoloured.

One received in exchange from Amsterdam 27 May, 1852: it died 12 Aug. 1852.

Genus **Sanzinia** J. E. Gray, Brit. Mus. Cat.
 Snakes, p. 98, 1849.

Species:

	Page
1. <i>madagascariensis</i>	162

450. *Sanzinia madagascariensis* (Duméril & Bibron),
 Erp. gén. 6, p. 549, 1844.

Corallus madagascariensis G. A. Boulenger, Brit.
 Mus. Cat. Snakes, 1, p. 103, 1893.

Sganzin's Tree-Boa.

Hab. Madagascar.

Figs. Jan, Icon. gén. Ophid. 1, 7, 1864, pl. 4, as
Xiphosoma madagascariensis: uncoloured. E. G.
 Boulenger, Rept. & Batr. 1914, p. 123, lower fig.:
 photograph.

One deposited 24 June, 1896.

Twelve born in the Gardens 26 Feb. 1914.

Genus **Ungalia** J. E. Gray, Zool. Miscell.
 London, p. 46, 1842.

Species:

	Page
1. <i>melanura</i>	162
2. <i>maculata</i>	163
3. <i>pardalis</i>	163

451. *Ungalia melanura* (Schlegel), Phys. Serp. 2, p. 399,
 1837.

Black-tailed Jubo Boa. Cuban Striped Boa.

Hab. West Indies : Cuba.

Figs. Schlegel, *Abbild. Amphib.* 1844, pl. 26, as *Boa melanura*. Bibron, in Ramon de la Sagra, *Hist. Cuba*, Rept. 1843, pl. 23, as *Tropidophis melanurus*. Jan, *Icon. gén. Ophid.* 1, 5, 1864, pl. 1, fig. 1, as *Tropidophis melanurus* : uncoloured.

One deposited 27 Aug. 1903.

452. *Ungalia maculata* (Bibron), in Ramon de la Sagra, *Hist. Cuba*, Rept. p. 127, 1843.

Spotted Jubo Boa.

Hab. West Indies : Cuba, San Domingo, Jamaica, etc.

Figs. Bibron, *l.c.s.* pl. 24, as *Leionotus maculatus*. Jan, *Icon. gén. Ophid.* 1, 5, 1864, pl. 1, fig. 2, & pl. 2, fig. 1, as *Tropidophis distinctus* and *T. maculatus* : uncoloured.

Two presented 3 July, 1884, by Mrs. Blake.

453. *Ungalia pardalis* (Gundlach), *Arch. Naturg.* 6, p. 359, 1840.

Leopard Boa.

Hab. West Indies : Cuba.

Fig.

One deposited 27 Aug. 1903.

Genus **Eunectes** Wagler, *Syst. Amphib.*
p. 167, 1830.

Species :

	Page
1. <i>murinus</i>	163
2. <i>notaeus</i>	164

454. *Eunectes murinus* (Linnaeus), *Syst. Nat.* 1, p. 215, 1758.

Anaconda. Sucuri and Sucurujuba (in Brazil).

Hab. South America : the Guianas, Brazil and north-east Peru.

Figs. Jan, *Icon. gén. Ophid.* 1, 6, 1864, pl. 3 : uncoloured. E. G. Boulenger, *Rept. & Batr.* 1914, p. 122, upper fig. : photograph.

First received in 1849, before 13 Nov. 1849,
 One hundred and eight born in the Gardens 1877-
 1926. Most of these were born dead or died within
 a few days of their birth, but of eighteen born
 11 Dec. 1926, one lived for eleven and a half months.

455. *Eunectes notaeus* Cope, Proc. Ac. Nat. Sci. Philad.
 14, p. 70, 1862. G. A. Boulenger, Brit. Mus. Cat.
 Snakes, 3, p. 594, 1896.

Southern Anaconda.

Hab. South America: Paraguay and Bolivia. For
 distribution, size, etc., see A. d. Miranda-Ribeiro,
 Bol. Mus. Nac. Rio de Janeiro, 1, 5, pp. 363, 364,
 1924.

Fig.

One deposited 2 May, 1902, by the Hon. Walter
 Rothschild.

Five born in the Gardens in 1905.

Genus **Constrictor** Laurenti, Syn. Rept.
 p. 106, 1768.

Species :

	Page
1. <i>constrictor</i>	164
2. <i>imperator</i>	165
3. <i>occidentalis</i>	165
4. <i>orophias</i>	165
5. <i>madagascariensis</i>	165

456. *Constrictor constrictor* (Linnaeus), Syst. Nat. 1,
 p. 215, 1758.

Boa constrictor.

Boa Constrictor. Giboia (in Brazil, *vide* Amaral
 1926).

Hab. South America: Venezuela, the Guianas, Brazil,
 and north-east Peru.

Figs. Jan, Icon. gén. Ophid. 1, 5, 1864, pl. 2, fig. 2: un-
 coloured. E. G. Boulenger, Rept. & Batr. 1914,
 p. 122, lower fig.: photograph.

One presented between 29 April, 1840, and 29 April,
 1841, by Sir Henry MacLeod.

Twenty-one born in the Gardens 30 June, 1877.

457. *Constrictor imperator* (Daudin), Hist. Nat. Rept. 5, p. 150, 1803.
Boa imperator G. A. Boulenger, Brit. Mus. Cat. Snakes, 1, p. 119, 1893.
Constrictor constrictor imperator Barbour & Amaral, Occ. Papers Boston Soc. Nat. Hist. 5, p. 129, 1924.
 Emperor Boa.
Hab. Central America and north-west South America : from Mexico to Colombia and Ecuador.
Boa imperator and *Boa eques* : uncoloured.
Figs. Jan, Icon. gén. Ophid. 1, 6, 1864, pls. 1 & 2, as First received in 1851.
458. *Constrictor occidentalis* (Philippi), Zeitschr. f. ges. Naturw. 41, p. 128, 1873.
Boa occidentalis G. A. Boulenger, Brit. Mus. Cat. Snakes, 1, p. 118, 1893.
 Western Boa.
Hab. South America : Argentina and Paraguay.
Fig. Philippi, l. c. s. pl. 3 : head and mid-body.
 Two purchased 17 Oct. 1895.
459. *Constrictor orophias* (Linnaeus), Syst. Nat. 1, p. 215, 1758.
Boa diviniqua G. A. Boulenger, Brit. Mus. Cat. Snakes, 1, p. 118, 1893.
 Antillean Boa.
Hab. West Indies : Trinidad and the Lesser Antilles.
Fig. Jan, Icon. gén. Ophid. 1, 5, 1864, pl. 3, as *Boa diviniqua* : uncoloured.
 A Boa from the West Indies was presented in 1839, or early in 1840, by Mr. J. D. Powles, but we do not know now to what species, or genus, it belonged. The first definite record of *C. orophias* in the Gardens is in 1849.
460. *Constrictor madagascariensis* (Duméril & Bibron), Erp. gén. 6, p. 524, 1844.
Boa madagascariensis G. A. Boulenger, Brit. Mus. Cat. Snakes, 1, p. 120, 1883.

Alternative name *Acrantophis madagascariensis*.

Madagascar Boa.

Hab. Madagascar.

Fig. Jan, Icon. gén. Ophid. 1, 2, 1861, pl. 4, as *Pelophilus madagascariensis*: uncoloured.

One purchased 15 Aug. 1877.

Genus **Gongylophis** Wagler, Syst. Amphib.
p. 192, 1830.

Species :

	Page
1. <i>conicus</i>	166

461. *Gongylophis conicus* (Schneider), Hist. Amphib. 2,
p. 268, 1801.

Eryx conicus.

Russell's Sand-Boa. *Or Sand Boa*

Hab. India.

Figs. Jan, Icon. gén. Ophid. 1, 4, 1864, pl. 3: uncoloured. G. A. Boulenger, Faun. Brit. Ind. Rept. 1890, p. 247, fig. 75: uncoloured. Wall, J. Bombay Nat. Hist. Soc. 21, 1911, pl. 16, figs. 2-6: head, body and tail.

One purchased 22 May, 1883.

Genus **Eryx** Daudin, Hist. Nat. Rept. 7,
p. 251, 1803.

Species :

	Page
1. <i>thebaicus</i>	166
2. <i>jaculus</i>	167
3. <i>johnii</i>	167

462. *Eryx thebaicus* Reuss, Mus. Senckenb. 1, p. 134,
1834.

Theban Sand-Boa.

Hab. Africa: Upper Egypt to Tanganyika Territory.

Fig. Anderson, Zool. Egypt, Rept. 1898, pl. 32, fig. 2.

Two, said to be from Mogador, purchased 16 Aug. 1870.

463. *Eryx jaculus* (Linnaeus), Syst. Nat. 1, p. 228, 1758.
Javelin Sand-Boa.

Hab. South-east Europe, north-east Africa and western Asia: Corfu and Greece to Rumania, Algeria to Egypt, Asia Minor and Syria to Persia, and eastwards to Turkestan and Afghanistan, where it is represented by the closely allied form *Eryx miliaris* (Pallas) 1773.

Figs. Anderson, Zool. Egypt. Rept. 1898, pls. 33 & 33 A. G. A. Boulenger, Snakes Europe, 1913, pl. 1, lower figs., & p. 148, fig. 15: head, etc., uncoloured. One presented 25 May, 1850, by the Hon. Charles A. Murray.

Two born in the Gardens 26 Oct. 1927, were still alive 31 Dec. 1927.

464. *Eryx johnii* (Russell), Ind. Serp. 2, text, pl. 16, & pl. 17, fig. 1, 1801.

John's Sand-Boa. *or Red Sand Snake.*

Hab. India: plains of north-western, central and southern India.

Figs. Jan, Icon. gén. Ophid. 1, 4, 1864, pl. 1, fig. 1: uncoloured. G. A. Boulenger, Faun. Brit. Ind. Rept. 1890, p. 248, fig. 76: head, uncoloured. E. G. Boulenger, Rept. & Batr. 1914, p. 126, upper fig.: photograph.

First received some time before 29 April, 1859.

Genus **Lichanura** Cope, Proc. Ac. Nat. Sci. Philad. 1861, p. 304.

Species:

	Page
1. <i>trivirgata</i>	167
2. <i>roseofusca</i>	168

465. *Lichanura trivirgata* Cope, Proc. Ac. Nat. Sci. Philad. 1861, p. 304.

Three-striped Boa.

Hab. Western North America: southern Lower California.

Fig. Cope, Ann. Rept. U.S. Nat. Mus. 1898 (1900), p. 724, fig. 145: head, etc., uncoloured.

One deposited 9 Feb. 1900.

466. *Lichanura roseofusca* Cope, Proc. Ac. Nat. Sci. Philad. 1868, p. 2.

Rosy Boa. California Boa.

Hab. Western North America: southern California, northern Lower California and Arizona.

Fig. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 725, fig. 146: head, etc., uncoloured.

One purchased 7 June, 1927.

Genus **Charina** J. E. Gray, Brit. Mus. Cat. Snakes, p. 113, 1849.

Species:

	Page
1. <i>bottae</i>	168

467. *Charina bottae* (Blainville), Nouv. Ann. Mus. Hist. Nat. Paris, 4, p. 289, 1835.

Rubber-Snake. Ball-Snake. Botta's Snake.

Hab. North America: humid districts of western United States from Washington and Montana, south to California and Utah.

Figs. Blainville, *l. c. s.* pl. 26, fig. 1, as *Tortrix bottae*. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), pp. 728-730, figs. 148-150: heads, tail, etc., uncoloured.

One deposited 27 May, 1901.

Family ANILIDAE.

Genus:

	Page
1. <i>Anilius</i>	168

Genus **Anilius** Oken, Lehrb. Naturges. 3, pt. 2, p. 283, 1816.

Species:

	Page
1. <i>scytale</i>	169

468. *Anilius scytale* (Linnaeus), Syst. Nat. 1, p. 228, 1758.

Ilysia scytale G. A. Boulenger, Brit. Mus. Cat. Snakes, 1, p. 133, 1893.

Guianan Cylinder-Snake. Cobra Coral (in Brazil).

Hab. South America: the Guianas, Brazil and north-east Peru.

Figs. Schlegel, Abbild. Amphib. 1844, pl. 33, fig. 1, as *Tortrix scytale*: head and neck. Jan, Icon. gén. Ophid. 1, 9, 1865, pl. 3, as *Tortrix scytale*: uncoloured.

One presented 5 Aug. 1879, by Mr. G. Hawtayne, C.M.Z.S.

Family XENOPELTIDAE.

Genus :

	Page
1. <i>Xenopeltis</i>	169

Genus **Xenopeltis** Reinwardt, in Boie, Isis, 20, p. 564, 1827.

Species :

	Page
1. <i>unicolor</i>	169

469. *Xenopeltis unicolor* Reinwardt, in Boie, Isis, 20, p. 564, 1827.

Iridescent Snake.

Hab. South-east Asia: India, Burma, Indo-China, Siam, Malay Peninsula and Archipelago.

Figs. Jan, Icon. gén. Ophid. 1, 9, 1865, pl. 5: uncoloured. G. A. Boulenger, Faun. Brit. Ind. Rept. 1890, p. 276, fig. 85: head, uncoloured. Wall, J. Bombay Nat. Hist. Soc. 19, 1909, pl. 10, figs. 4-6: head and neck.

One presented in April 1923 by the Singapore Nat. Hist. Society.

Family COLUBRIDAE.

Subfamilies :

	Page		Page
1. Acrochordinae	170	5. Boiginae	225
2. Colubrinae	171	*6. Elachistodontinae	—
3. Rhachiodontinae	223	*7. Dipsadinae	—
4. Homalopsinae	223		

Subfamily ACROCHORDINAE.

Genus :

	Page
1. <i>Acrochordus</i>	170

Genus **Acrochordus** C. F. Hornstedt, K. Vet. Ac. Nya Handl. Stockholm, 8, p. 306, 1787. v. Sherborn, Index Anim. 1, p. 7, 1902.

Species :

	Page
1. <i>javanicus</i>	170

470. *Acrochordus javanicus* C. F. Hornstedt, K. Vet. Ac. Nya Handl. Stockholm, 8, p. 307, pl. 12, 1787.

Elephant Water-Snake.

Hab. South-east Asia : Siam, Malay Peninsula, Java and Borneo, and recorded from as far east as New Guinea.

Figs. Jan, Icon. gén. Ophid. 1, 1860, pl. 4 : uncoloured. E. G. Boulenger, Rept. & Batr. 1914, p. 127, upper fig. : photograph.

Two presented 24 June, 1912, by the Government of the Federated Malay States.

* These two subfamilies have not been represented alive in the Gardens, 31 Dec. 1927.

Subfamily COLUBRINAE.

Genera:

	Page		Page
1. <i>Xenochrophis</i>	171	30. <i>Gastropyxis</i>	204
2. <i>Natrix</i>	172	31. <i>Thrasops</i>	204
3. <i>Thamnophis</i>	177	32. <i>Leptophis</i>	205
4. <i>Leioheterodon</i>	178	33. <i>Dromicus</i>	205
5. <i>Helicops</i>	178	34. <i>Leimadophis</i>	206
6. <i>Tretanorhinus</i>	179	35. <i>Cyclagras</i>	208
7. <i>Storeria</i>	180	36. <i>Ophis</i>	209
8. <i>Ablabophis</i>	181	37. <i>Lystrophis</i>	210
9. <i>Lamprophis</i>	181	38. <i>Heterodon</i>	210
10. <i>Boaedon</i>	182	39. <i>Aporophis</i>	211
11. <i>Lycophidion</i>	183	40. <i>Liophis</i>	212
12. <i>Lycodon</i>	184	41. <i>Hydrops</i>	213
13. <i>Pseudaspis</i>	184	42. <i>Coronella</i>	213
14. <i>Ptyas</i>	185	43. <i>Rhinocheilus</i>	214
15. <i>Salvadora</i>	185	44. <i>Cemophora</i>	214
16. <i>Lytorhynchus</i>	186	45. <i>Lampropeltis</i>	215
17. <i>Drymobius</i>	186	46. <i>Diadophis</i>	217
18. <i>Phrynonax</i>	187	47. <i>Prosymna</i>	218
19. <i>Spilotes</i>	188	48. <i>Coatia</i>	218
20. <i>Drymarchon</i>	188	49. <i>Liopeltis</i>	219
21. <i>Elaphe</i>	189	50. <i>Ophcodrys</i> ..	219
22. <i>Coluber</i>	194	51. <i>Homalosoma</i>	220
23. <i>Pituophis</i>	199	52. <i>Grayia</i>	220
24. <i>Arizona</i>	200	53. <i>Abastor</i>	221
25. <i>Chironius</i>	201	54. <i>Farancia</i>	221
26. <i>Aluettulla</i>	201	55. <i>Petalognathus</i>	222
27. <i>Dendrelaphis</i>	202	56. <i>Tropidodipsas</i>	222
28. <i>Chlorophis</i>	203	57. <i>Atractus</i>	222
29. <i>Philothamnus</i>	204		

Genus **Xenochrophis** Günther, Rept.
Brit. Ind. p. 273, 1864.

Species:

- | | Page |
|---|------|
| 1. <i>cerasogaster</i> | 171 |
| 471. <i>Xenochrophis cerasogaster</i> (Cantor), Proc. Zool.
Soc. London, 1839, p. 52.
Gold-and-cherry Snake. Red-bellied Snake.
<i>Hab.</i> South-east Asia: eastern India and the Malay
Peninsula.
<i>Fig.</i> G. A. Boulenger, Faun. Malay Pen. Rept. 1912,
p. 122, fig. 41: head, uncoloured.
Two presented 7 July, 1924, by the Calcutta Z. G. | |

Genus **Natrix** Laurenti, Syn. Rept.
p. 73, 1768.

Species :

	Page		Page
1. <i>natrix</i>	172	9. <i>olivacea</i>	174
2. <i>tessellata</i>	172	10. <i>ferox</i>	175
3. <i>viperina</i>	173	11. <i>cyclopion</i>	175
4. <i>piscator</i>	173	12. <i>rhombifer</i>	175
5. <i>tigrina</i>	173	13. <i>septemvittata</i>	175
6. <i>stolata</i>	173	14. <i>sipedon</i>	176
7. <i>vittata</i>	174	15. <i>taxispilota</i>	176
8. <i>fuliginoides</i>	174		

472. *Natrix natrix* (Linnaeus), Syst. Nat. 1, p. 220, 1758.

Tropidonotus natrix.

Grass-Snake. Ring-Snake.

Hab. Palaearctic Region : Europe, including Great Britain, western and central Asia, parts of Tunisia and Algeria north of the Atlas.

Figs. Cooke, Our Reptiles, ed. 2, 1893, pl. 3. G. A. Boulenger, Snakes Europe, 1913, pl. 2, & p. 153, fig. 16 : heads, etc., uncoloured.

Two received 21 June, 1847, in exchange, from Mr. Bartlett, but probably others received at earlier dates. Eight hatched in the Gardens 29 June, 1873, and five 11 Aug. 1911.

473. *Natrix tessellata* (Laurenti), Syn. Rept. p. 87, 1768.

Tropidonotus tessellatus.

Diced Water-Snake.

Hab. Europe and Asia : central, southern and south-eastern Europe, and from Asia Minor and Palestine, through Transcaucasia, Mesopotamia and Persia to the north-west of India and the extreme west of China. It also occurs locally in the north-east of the Nile Delta in Egypt.

Figs. Anderson, Zool. Egypt, Rept. 1898, pl. 24, fig. 1 : head and neck, uncoloured. G. A. Boulenger, Snakes Europe, 1913, pl. 3, upper fig., and p. 161, fig. 17 : head, uncoloured.

Three purchased 18 May, 1886.

474. *Natrix viperina* (Latreille), Hist. Nat. Rept. 4, p. 47, 1802.

Tropidonotus viperinus.

Viperine Snake.

Hab. Western Europe and north-western Africa : France, Switzerland, Italy, Spain, Portugal, Morocco, Algeria and Tunisia.

Figs. G. A. Boulenger, Snakes Europe, 1913, pl. 3, lower figs. & p. 165, fig. 18 : heads, uncoloured.

One received in exchange 28 April, 1849.

Five reported as born in the Menagerie 25 Sept. 1890.

475. *Natrix piscator* (Schneider), Hist. Amphib. 1, p. 247, 1799.

Tropidonotus piscator.

Fishing Snake. Indian River-Snake. Checkered Water-Snake.

Hab. Asia : India, Ceylon, Burma, South China, Hainan, Siam, Cambodia, Malay Peninsula and islands.

Figs. G. A. Boulenger, Faun. Brit. Ind. Rept. 1890, p. 341, fig. 100 : head, uncoloured. Wall, J. Bombay Nat. Hist. Soc. 17, 1907, pl. 4 : head, etc.

One purchased 4 July, 1861.

Some authorities call this species *Nerodia piscator*.

476. *Natrix tigrina* (Boie), Isis, 18, p. 205, 1826.

Tropidonotus tigrinus.

Chinese Tiger-Snake. Japanese Tiger-Snake.

Hab. North-east Asia : Japan, Korea, Manchuria and China.

Figs. Temminck & Schlegel, Faun. Japon. Rept. 1835, Ophid. pl. 4 : uncoloured. Stejneger, Herp. Jap. Bull. U.S. Nat. Mus. 58, 1907, pl. 19, & p. 273, figs. 242, 243 : uncoloured.

Three presented 6 Jan. 1880, by Messrs. J. Veitch & Son and Mr. C. Maries.

477. *Natrix stolata* (Linnaeus), Syst. Nat. 1, p. 219, 1758.

Tropidonotus stolatus.

Stoled Snake. Buff-striped Keelback.

Hab. Asia: widely distributed from western India and Ceylon to China, Formosa and the Philippine Islands.

Figs. G. A. Boulenger, Faun. Brit. Ind. Rept. 1890, p. 348, p. 101: uncoloured. Wall, J. Bombay Nat. Hist. Soc. 20, 1910-1911, pl. 14, figs. 1-6.

Five presented 20 Oct. 1896 by Mr. W. G. Bligh.

Rhabdophis stolatus and *Amphiesma stolata* are names used for this species in some recent books.

478. *Natrix vittata* (Linnaeus), Syst. Nat. 1, p. 219, 1758.

Tropidonotus vittatus G. A. Boulenger, Brit. Mus. Cat. Snakes, 1, p. 255, 1893.

Long-lined Snake.

Hab. Malay Archipelago: Java and Celebes.

Fig.

Four received in exchange 31 July, 1878.

479. *Natrix fuliginoides* (Günther), Brit. Mus. Cat. Colubr. Snakes, p. 39, 1858.

Tropidonotus fuliginoides.

Smoky Snake

Hab. West Africa: Sierra Leone to the Congo.

Fig. Günther, Ann. Mag. Nat. Hist. (3) 12, 1863, pl. 5, fig. A, as *Meizodon longicauda*: head, uncoloured.

One presented 6 Aug. 1914, by Mr. G. Aylmer, F.Z.S.

480. *Natrix olivacea* (Peters), Ber. Bekannt. Verhandl. König. Preuss. Ak. Wiss. Berlin, 1854, p. 622.

Tropidonotus olivaceus.

Black-backed Grass-Snake.

Hab. Tropical Africa: widely distributed from the Gold Coast, Gaboon, Congo, Angola, Damaraland and Namaqualand to the Anglo-Egyptian Sudan, East Africa, Portuguese East Africa and southern Rhodesia.

Fig. Peters, Reise Mossamb. 3, 1882, pl. 17, fig. 1, as *Coronella olivacea.*

One purchased 5 Aug. 1927.

481. *Natrix ferox* (Günther), Ann. Mag. Nat. Hist. (3)
12, p. 355, 1863.

Tropidonotus ferox G. A. Boulenger, Brit. Mus.
Cat. Snakes, 1, p. 241, 1893.

Fierce Snake.

Hab. West Africa : Sierra Leone to Calabar.

Fig. Günther, *l. c. s.* pl. 6, fig. F : head, uncoloured.

One purchased 16 July, 1863, from Mr. Jamrach.

482. *Natrix cyclopion* (Duméril & Bibron), Erp. gén. 7,
p. 576, 1854.

Tropidonotus cyclopium G. A. Boulenger, Brit.
Mus. Cat. Snakes, 1, p. 244, 1893.

Green Water-Snake. Cyclopion Snake.

Hab. North America : Florida to Louisiana, and
northward up the Mississippi Valley to southern
Illinois.

Figs. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900),
pp. 961, 962, figs. 247, 248 : heads, etc., uncoloured.

One presented 22 July, 1884, by Mr. G. Waller, F.Z.S.

483. *Natrix rhombifer* (Hallowell), Proc. Ac. Nat. Sci.
Philad. 6, p. 177, 1852.

Tropidonotus fasciatus rhombifer.

Hallowell's Rhomb Snake.

Hab. North America : southern Illinois and Indiana
south to Vera Cruz, Mexico.

Fig. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900),
p. 964, fig. 249 : head, etc., uncoloured.

Date when first received not known, but twelve are
recorded as having been bred in the Gardens in
Sept. 1912.

484. *Natrix septemvittata* (Say), J. Ac. Nat. Sci. Philad.
4, pt. 2, p. 240, 1825.

Tropidonotus septemvittatus.

Moon-Snake. Queen-Snake. Seven-banded Snake.

Hab. North America: United States, central, eastern and Gulf States, from Pennsylvania, Ohio and Wisconsin southward.

Fig. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900) p. 994, fig. 265, as *Natrix leberis* (Linnaeus) 1766: head, etc., uncoloured.

Two purchased 6 Aug. 1872.

Forty-eight born in the Gardens in the months of Feb., May, Aug. and Dec. 1872-1880.

485. *Natrix sipedon* (Linnaeus), Syst. Nat. 1, p. 219, 1758.

Tropidonotus fasciatus.

North American Water-Snake. "False Moccasin."

Hab. North America: United States, from the Atlantic to Nebraska and Texas. Several subspecies, or geographical races, occur.

Figs. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), pp. 967, 970, 974, figs. 250-252: heads, etc., uncoloured.

First received 1 Sept. 1858, when one was presented by Mr. Arthur Russell.

Sixty-three born in the Gardens in the months of August, Sept., Oct., Nov. and Dec. 1877-1921.

486. *Natrix taxispilota* (Holorook), N. Amer. Herp. ed. 2, 4, p. 35, 1842.

Tropidonotus taxispilotus.

Water-Pilot.

Hab. North America: south-eastern United States, Virginia to Florida, west to Louisiana.

Figs. Holbrook, *l. c. s.* pl. 8. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 959, fig. 246: head, etc., uncoloured.

Two deposited 29 July, 1902.

Twenty born in the Gardens 13 Aug. 1922: fourteen of these reared.

Genus **Thamnophis** Fitzinger, Syst. Rept.
p. 26, 1843.

Species :

	Page
1. <i>sirtalis</i>	177
2. <i>ordinoides</i>	177
3. <i>sauritus</i>	178

487. *Thamnophis sirtalis* (Linnaeus), Syst. Nat. 1, p. 222,
1758.

Tropidonotus ordinatus in part.

Garter-Snake.

Hab. North America: southern Canada, Manitoba,
British Columbia, Vancouver Island and the greater
part of the United States.

Figs. Cope, Ann. Rept. U.S. Nat. Mus. 1898 (1900),
pp. 1067-1069, 1074-1076, 1078, 1081, figs. 298-
304 & 306, as *Eutaenia sirtalis*: heads, etc., un-
coloured.

Four presented 2 Oct. 1863, by Mr. A. Downs,
C.M.Z.S. The Californian race, *T. s. infernalis*
(Blainville) 1835, was first received 20 Aug. 1873.
Fifty-seven have been born in the Gardens, in the
months of Jan., April, Aug. and Sept. 1885-1892.

488. *Thamnophis ordinoides* (Baird & Girard), Proc. Ac.
Nat. Sci. Philad. 6, p. 176, 1852.

Tropidonotus ordinatus in part.

Elegant Garter-Snake. Mountain Garter-Snake.

Hab. Western North America: from British Columbia
and Vancouver Island to California, Arizona and
Lower California.

Figs. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900),
pp. 1037, 1040, 1042, figs. 284, 287, 288, as *Eutaenia*
elegans Baird & Girard 1853: heads, uncoloured.

On 25 Sept. 1900, eight were deposited representing
two subspecies, *T. o. couchii* (Kennicott) 1859 and
T. o. elegans (Baird & Girard) 1853. On 26 July,
1926, twelve examples of *T. o. hammondii* (Kenni-
cott) 1860 were presented by Dr. L. M. Klauber.

489. *Thamnophis sauritus* (Linnaeus), Syst. Nat. 1, p. 385, 1766.

Tropidonotus saurita.

Ribbon-Snake.

Hab. North America: Michigan, Ontario and Maine, south to Mississippi, Alabama and Georgia.

Fig. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 1021, fig. 276, as *Eutaenia saurita*: head, etc., uncoloured.

Three presented 17 May, 1886, by Dr. S. Garman, C.M.Z.S.

Six born in the Gardens 17 Aug. 1886.

Genus **Leioheterodon** Duméril & Bibron,
Erp. gén. Atlas, pl. 69, 1844,
as *Leiohétérodon*.

Species :

	Page
1. <i>madagascariensis</i>	178

490. *Leioheterodon madagascariensis* (Duméril & Bibron), Erp. gen. 7, p. 776, 1854.

Leioheterodon madagascariensis.

Madagascan Sharp-nosed Snake.

Hab. Madagascar.

Figs. Duméril & Bibron, Erp. gén. 7, 1854, pl. 69, as "Léiohétérodon de Sganzin." E. G. Boulenger, Rept. & Batr. 1914, p. 127, lower fig.: photograph.

One presented 27 Nov. 1863, by Mr. E. Newton, C.M.Z.S.

Genus **Helicops** Wagler, Syst. Amphib.
p. 170, 1830.

Species :

	Page
1. <i>schistosus</i>	179
2. <i>leopardinus</i>	179
3. <i>angulatus</i>	179

491. *Helicops schistosus* (Daudin), Hist. Nat. Rept. 7, p. 132, 1803.

Indian Water-Snake. Olivaceous Keelback.

Hab. South-east Asia: India, Ceylon, Burma, south China and the Malay Peninsula.

Figs. Wall, J. Bombay Nat. Hist. Soc. 21, 1912, pl. 18, fig. 2: head and mid-body. Wall, Snakes Ceylon, 1921, p. 141, fig. 32: head, uncoloured.

Two received in exchange 21 May, 1912.

492. *Helicops leopardinus* (Schlegel), Phys. Serp. 2, p. 358, 1837.

Guianan Leopard-Snake.

Hab. South America: the Guianas and Brazil.

Figs. Jan, Icon. gén. Ophid. 2, 28, 1868, pl. 3, fig. 2, and pl. 4, figs. 2 & 3, the latter as *Helicops leprieuri*: uncoloured.

One purchased 23 July, 1889.

493. *Helicops angulatus* (Linnaeus), Syst. Nat. 1, p. 217, 1758.

Surinam Snake. Surucucurana (in Brazil).

Hab. South America: the Guianas, Brazil and north-east Peru.

Figs. Wagler, in Spix, Serp. Bras. 1824, pl. 13, as *Natrix aspera*. Jan, Icon. gén. Ophid. 2, 28, 1868, pl. 4, fig. 1: uncoloured.

One presented 11 May, 1897, by Mr. R. R. Mole, C.M.Z.S.

Genus **Tretanorhinus** Duméril & Bibron,
Erp. gén. 7, p. 348, 1854.

Species:

	Page
1. <i>nigroluteus</i>	179

494. *Tretanorhinus nigroluteus* Cope, Proc. Ac. Nat. Sci. Philad. 1861, p. 298.

Black-and-yellow Snake.

Hab. Central America: Honduras, Nicaragua, Panama.

Fig. Jan, *Icon. gén. Ophid.* 2, 28, 1868, pl. 2, fig. 1,
as *Helicops agassizi*: uncoloured.

One purchased 12 Sept. 1871.

Genus *Storeria* Baird & Girard, *Cat. N. Amer.*

Rept. pt. 1, p. 135, 1853 (Smithsonian

Misc. Coll. 2, Art. 5).

Species:

	Page
1. <i>dekayi</i>	180
2. <i>occipitamaculata</i>	180

495. *Storeria dekayi* (Holbrook), *N. Amer. Herp. ed. 2*,
4, p. 53, 1842.

Ischnognathus dekayi G. A. Boulenger, *Brit. Mus.*
Cat. Snakes, 1, p. 286, 1893.

DeKay's Snake (named after James E. DeKay).

Hab. Eastern North America: from Ontario to
Mexico, west to Kansas.

Figs. Holbrook, *l. c. s.* pl. 14, as *Tropidonotus dekayi*.

Cope, *Ann. Rep. U.S. Nat. Mus.* 1898 (1900),
p. 1001, fig. 268: head, etc., uncoloured.

One purchased 15 Nov. 1880.

496. *Storeria occipitamaculata* (D. H. Storer), *Rep.*
Ichthyol. Herpetol. Massachusetts, p. 230, 1839.

Ischnognathus occipitamaculatus G. A. Boulenger,
Brit. Mus. Cat. Snakes, 1, p. 287, 1893.

Spotted-headed Snake. Red-bellied Snake. Copper
Snake.

Hab. Eastern North America: from Lake Superior
and Ontario to Mexico, west to Kansas.

Fig. Cope, *Ann. Rep. U.S. Nat. Mus.* 1898 (1900),
p. 1004, fig. 269: head, etc., uncoloured.

Six presented 3 Oct. 1871, by Mr. A. Downs,
C.M.Z.S.

Genus **Ablabophis** G. A. Boulenger, Brit.
Mus. Cat. Snakes, 1, p. 318, 1893.

Species :

	Page
1. <i>rufulus</i>	181

497. *Ablabophis rufulus* (Lichtenstein), Verz. Doubl.
Mus. Berlin, p. 105, 1823.

Rufous Snake.

Hab. South Africa : Cape Province to southern
Rhodesia.

Fig. A. Smith, Illustr. Zool. S. Afr. Rept. 1847,
pl. 58, as *Lamprophis rufulus*.

One presented 2 Dec. 1876, by the Rev. G. H. R.
Fisk, C.M.Z.S.

Genus **Lamprophis** Fitzinger, Syst. Rept.
p. 25, 1843.

Species :

	Page
1. <i>aurora</i>	181
2. <i>inornatus</i>	181
3. <i>fiski</i>	182

498. *Lamprophis aurora* (Linnaeus), Syst. Nat. 1, p. 219,
1758.

Aurora Snake.

Hab. South Africa : Cape Province.

Figs. Schlegel, Phys. Sèrp. 2, 1837, pl. 2, figs. 20 &
21, as *Coronella aurora* : head, uncoloured.

One presented 28 May, 1861, by Sir George Grey,
K.C.B.

499. *Lamprophis inornatus* Duméril & Bibron, Erp. gén.
7, p. 464, 1854. v. M. A. Smith, Ann. Mag. Nat.
Hist. (10) 1, p. 495, 1928.

Boodon infernalis Günther, Brit. Mus. Cat. Colubr.
Snakes, p. 199, 1858. G. A. Boulenger, Brit.
Mus. Cat. Snakes, 1, p. 330, 1893.

Dark Snake.

Hab. East and south Africa : from the Cape Province to Damaraland and Tanganyika Territory.

Fig. G. A. Boulenger, *l.c.s.* pl. 21, fig. 1 : head, uncoloured.

One presented 31 Dec. 1883, by the Rev. G. H. R. Fisk, C.M.Z.S.

500. *Lamprophis fiski* G. A. Boulenger, Proc. Zool. Soc. London, 1887, p. 398.

Lamprophis fiskii G. A. Boulenger, Brit. Mus. Cat. Snakes, 1, p. 322, 1893.

Fisk's Snake.

Hab. South Africa : Cape Province.

Fig. P. Z. S. 1887, pl. 34.

One presented 24 March, 1887, by the Rev. G. H. R. Fisk, C.M.Z.S., was the type of the species.

Genus **Boaedon** Duméril, *Mém. Ac. Sci.* Paris, 23, p. 460, 1853, as *Boëdon*.

Species :

	Page
1. <i>lineatum</i>	182
2. <i>fuliginosus</i>	182

501. *Boaedon lineatum* Duméril & Bibron, *Erp. gén.* 7, p. 363, 1854.

Boodon lineatus.

African Lined Snake. Lineated Snake.

Hab. Africa : widely distributed from the Cape of Good Hope, through east and central Africa, to Sierra Leone in the west, and in the east into southern Arabia.

Fig. A. Smith, *Illustr. Zool. S. Afr. Rept.* 1843, pl. 22, as *Lycodon geometricus* [non Schlegel].

One presented 28 May, 1861, by Sir George Grey, K.C.B.

502. *Boaedon fuliginosus* (Boie), *Isis*, 20, p. 551, 1827.

Boodon fuliginosus.

Sooty Snake.

Hab. Africa: Mauritania to Nigeria and the Cameroons, and eastward to the Anglo-Egyptian Sudan.

Figs. Jan, Icon. gén. Ophid. 3, 36, 1870, pl. 2, fig. 1, as *Boaedon unicolor*: uncoloured. K. P. Schmidt, Bull. Amer. Mus. Nat. Hist. 49, 1923, pl. 5: photograph.

Three presented 18 June, 1913, by Mr. G. Aylmer, F.Z.S.

Genus **Lycophidium** Duméril, Mém. Ac. Sci. Paris, 23, p. 462, 1853.

Species:

	Page
1. <i>capensis</i>	183
2. <i>semicinatum</i>	183

503. *Lycophidium capensis* (A. Smith), S. Afr. Quart. Journ. (1) no. 5, p. 18, 1831.

Lycophidium capense.

Cape Wolf-Snake.

Hab. Africa: from the Cape of Good Hope to Egypt (v. P. Z. S. 1923, pp. 1080, 1081).

Fig. A. Smith, Illustr. Zool. S. Afr. Rept. 1838, pl. 5, as *Lycodon capensis*.

One received 5 Aug. 1927, collected by Mr. H. B. Cott, F.Z.S.

504. *Lycophidium semicinatum* Duméril & Bibron, Erp. gén. 7, p. 414, 1854.

Lycophidium semicinatum.

West African Wolf-Snake.

Hab. Tropical Africa: Senegambia to Guinea and northern Nigeria.

Fig. Jan, Icon. gén. Ophid. 3, 36, 1870, pl. 3, fig. 4: uncoloured.

One presented 19 July, 1925, by Capt. C. H. Armitage, C.M.G., D.S.O., F.Z.S.

Genus **Lycodon** Boie, Isis, 20, p. 521,
1827.

Species :

	Page
1. <i>aulicus</i>	184

505. *Lycodon aulicus* (Linnaeus), Syst. Nat. 1, p. 220,
1758.

Indian Wolf-Snake. ✓

Hab. Southern Asia : widely distributed from India and Ceylon to CochinChina and the Philippine Islands, and south through the Malay Peninsula and Archipelago. Introduced into the Mascarene Islands.

Figs. G. A. Boulenger, Faun. Brit. Ind. Rept. 1890, p. 291, fig. 94 : head, uncoloured. Wall, J. Bombay Nat. Hist. Soc. 19, 1910, pl. 9, figs. 1-3 : head, etc.

One presented 20 Oct. 1896, by Mr. W. G. Bligh.

Genus **Pseudaspis** Cope, Proc. Ac. Nat. Sci.
Philad. 1864, p. 168.

Species :

	Page
1. <i>cana</i>	184

506. *Pseudaspis cana* (Linnaeus), Syst. Nat. 1, p. 221,
1758.

Cape Snake. Hoary Snake. Robben-Island Snake.

Hab. South Africa : Cape Province.

Figs. A. Smith, Illustr. Zool. S. Afr. Rept. 1842, pls. 14-17, as *Coluber canus*.

First received between 29 April, 1847, and 29 April, 1848. One, from Robben Island, presented 24 Sept. 1872, by the Rev. G. H. R. Fisk, C.M.Z.S., was the type of *Coronella phocarum* Günther, P. Z. S. 1872, p. 836.

Genus **Ptyas** Fitzinger, Syst. Rept.
p. 26, 1843.

Species :

	Page
1. <i>mucosus</i>	185
2. <i>korros</i>	185

507. *Ptyas mucosus* (Linnaeus), Syst. Nat. 1, p. 226,
1758.

Zamenis mucosus.

Dhama. Greater Indian Rat-Snake.

Hab. Asia : Transcaspia and Afghanistan, through the Himalayas to China and Formosa and throughout India and Indo-China, south to Ceylon and the Malay Peninsula.

Fig. Wall, J. Bombay Nat. Hist. Soc. 17, 1906, pl. 3 : head, etc.

One presented 12 July, 1850, by Capt. Molison : it died 9 Oct. 1851.

508. *Ptyas korros* (Schlegel), Phys. Serp. 2, p. 139, 1837.

Zamenis korros G. A. Boulenger, Brit. Mus. Cat. Snakes, 1, p. 384, 1893.

Lesser Indian Rat-Snake. *or Indo-Chinese Rat-Snake*.

Hab. South-east Asia : from the eastern Himalayas and south China, southward to the Malay Peninsula, Sumatra and Java.

Fig. Jan, Icon. gén. Ophid. 2, 24, 1867, pl. 4, fig. 2, as *Coryphodon korros* : uncoloured.

One presented 30 Nov. 1923, by Sir Reginald E. Stubbs, K.C.M.G., F.Z.S.

Genus **Salvadora** Baird & Girard. Cat. N. Amer.
Rept. pt. 1, p. 104, 1853.

Species :

	Page
1. <i>grahamiae</i>	186

509. *Salvadora grahamiae* Baird & Girard, Cat. N. Amer. Rept. pt. 1, p. 104, 1853.

Zamenis grahami G. A. Boulenger, Brit. Mus. Cat. Snakes, 1, p. 393, 1893.

Patch-nose Snake.

Hab. North America: Utah to Texas and Mexico.

Figs. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 818, fig. 183: head, etc., uncoloured; represents the allied *Salvadora hexalepis* (Cope) 1866, according to Stejneger & Barbour, Check List N. Amer. Rept. 1923.

One purchased 22 July, 1913.

Genus **Lytorhynchus** Peters, Mon. Berlin Ak. 1862, p. 272.

Species:

	Page
1. <i>diadema</i>	186

510. *Lytorhynchus diadema* (Duméril & Bibron), Erp. gén. 7, p. 779, 1854.

Diademed Sand-Snake.

Hab. North Africa and west Asia: from Algeria and Tunisia to Mesopotamia and Persia.

Fig. Anderson, Zool. Egypt, Rept. 1898, pl. 37, fig. 3: head, uncoloured.

One presented 8 June, 1903, by Capt. S. S. Flower, F.Z.S.

Genus **Drymobius** Fitzinger, Syst. Rept. p. 26, 1843.

Species:

	Page
1. <i>boddaerti</i>	186

511. *Drymobius boddaerti* (U. J. Sentzen), in Meyer, Zool. Archiv. (2) p. 59, 1796. *v.* Sherborn, Index Anim. 1, p. 134, 1902.

Drymobius boddaertii G. A. Boulenger, Brit. Mus. Cat. Snakes, 2, p. 11, 1894.

Boddaert's Snake.

Hab. Tropical America : from Mexico to Peru and Brazil, and in Trinidad and some of the Lesser Antilles.

Figs. Jan, Icon. gén. Ophid. 2, 24, 1865, pl. 5, fig. 1, as *Dromicus pleci*; 2, 31, 1869, pl. 4, fig. 3, as *Herpetodryas bilineatus*; 3, 49, 1879, pl. 1, fig. 1, as *Herpetodryas boddaerti*.

One presented 5 Nov. 1891, by Sir Walter F. Hely-Hutchinson, K.C.M.G., F.Z.S.

Genus **Phrynonax** Cope, Proc. Ac. Nat. Sci. Philad. 1862, p. 348.

Species :

	Page
1. <i>sulphureus</i>	187
2. <i>poecilonotus</i>	187
3. <i>fasciatus</i>	188
4. <i>eutropis</i>	188

512. *Phrynonax sulphureus* (Wagler), in Spix, Spec. Nov. Serp. Brasil. p. 26, 1824.

Cananina Snake.

Hab. South America : the Guianas, Brazil, north-eastern Peru and Ecuador.

Figs. Wagler, *l. c. s.* pl. 9, as *Natrix sulphurea*. Jan, Icon. gén. Ophid. 3, 48, 1876, pl. 5, figs. 3 & 4, as *Spilotes poecilostoma* (Wied) 1825 : uncoloured.

One purchased 12 Nov. 1878.

513. *Phrynonax poecilonotus* (Günther), Brit. Mus. Cat. Colubr. Snakes, p. 100, 1858.

Honduran Varied Snake.

Hab. Central America and Colombia.

Fig. Biol. C.-Amer. Rept. 1894, pl. 43, as *Spilotes poecilonotus*.

Two deposited 23 Sept. 1907.

514. *Phrynonax fasciatus* (Peters), Mon. Berlin Ak. 1869, p. 443.
 Peters's Olive-brown Snake.
Hab. South America: the Guianas and Brazil, and into north-east Peru.
Fig.
 Two presented 5 Sept. 1895, by Mr. R. R. Mole, C.M.Z.S.
515. *Phrynonax eutropis* G. A. Boulenger, Brit. Mus. Cat. Snakes, 2, p. 22, 1894.
 Shapely Snake.
Hab. South America: Trinidad.
Fig. G. A. Boulenger, *l.c.s.* pl. 1, fig. 1: head and neck, uncoloured.
 One presented 7 July, 1898, by Mr. R. R. Mole, C.M.Z.S.

Genus **Spilotes** Wagler, Syst. Amphib.
 p. 179, 1830.

Species:

	Page
1. <i>pullatus</i>	188

516. *Spilotes pullatus* (Linnaeus), Syst. Nat. 1, p. 225, 1758.
 Cainana Rat-Snake.
Hab. South America: from Panama and north-eastern Peru to the Guianas and Brazil.
Figs. Schlegel, Phys. Serp. 2, 1837, pl. 6, figs. 1 & 2, as *Coluber variabilis*: head, uncoloured.
 One presented in Sept. 1860, by Dr. Wucherer, C.M.Z.S.

Genus **Drymarchon** Fitzinger, Syst. Rept. p. 26, 1843.

Species:

	Page
1. <i>corais</i>	189

517. *Drymarchon corais* (Boie), Isis 20, p. 537, 1827.

Coluber corais.

Corais Snake. Gopher-Snake (in south-east U.S.A.).

Hab. America: from the southern United States to Brazil and Bolivia. Several subspecies, or geographical races, the most northern being *D. c. couperi* (Holbrook) 1842, the Gopher-Snake or Indigo-Snake, found from the Carolinas to Florida and Texas.

Figs. Holbrook, N. Amer. Herp. 3, 1842, pl. 16, as *Coluber couperi*. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 859, figs. 199, 200, as *Compsomosa corais couperi*: heads, etc., uncoloured.

First received—one, from Brazil, purchased 5 April, 1879.

Genus **Elaphe** Fitzinger, in Wagler,
Descr. Incon. Amphib. pt. 3, text
to plate 27, 1833.

Species :

	Page		Page
1. <i>hodysonii</i>	189	9. <i>obsoleta</i>	192
2. <i>helena</i>	190	10. <i>quadrivittata</i>	192
3. <i>guttata</i>	190	11. <i>longissima</i>	193
4. <i>situla</i>	190	12. <i>oxycephala</i>	193
5. <i>quatuorlineata</i>	190	13. <i>prasina</i>	193
6. <i>taeniura</i>	191	14. <i>quadrivirgata</i>	193
7. <i>vulpina</i>	191	15. <i>radiata</i>	194
8. <i>laeta</i>	191	16. <i>scalaris</i>	194

518. *Elaphe hodgsonii* (Günther), Proc. Zool. Soc. London, p. 1860, 1860.

Coluber hodgsonii G. A. Boulenger, Brit. Mus. Cat. Snakes, 2, p. 35, 1894.

Hodgson's Snake.

Hab. India: the Himalayas.

Figs. P. Z. S. 1860, Rept. pl. 27, as *Spilotes hodgsonii*: uncoloured. G. A. Boulenger, Faun. Brit. Ind. Rept. 1890, p. 330, fig. 99: head, uncoloured.

One presented 26 July, 1923, by Mr. A. A. L. Flynn, C.M.Z.S.

519. *Elaphe helena* (Daudin), Hist. Nat. Rept. 6, p. 277, 1803.

Coluber helena G. A. Boulenger, Brit. Mus. Cat. Snakes, 2, p. 36, 1894.

Helen's Snake. Trinket Snake.

Hab. India and Ceylon.

Figs. Günther, Rept. Brit. Ind. 1864, pl. 21, fig. A, as *Cynophis malabaricus*: uncoloured. Wall, J. Bombay Nat. Hist. Soc. 22, 1913, pl. 19. Wall, Snakes Ceylon, 1921, p. 202, fig. 42: head, uncoloured.

One purchased 10 Feb. 1913.

520. *Elaphe guttata* (Linnaeus), Syst. Nat. 1, p. 385, 1766.

Coluber guttatus.

Corn-Snake.

Hab. North America: United States, Maryland to Florida, Louisiana and Mississippi.

Figs. Cope, Ann. Rep. U. S. Nat. Mus. 1898 (1900), pp. 834, 836, figs. 189, 190: heads, etc., uncoloured.

The first received were presented 1 Sept. 1858, by Mr. Arthur Russell.

521. *Elaphe situla* (Linnaeus), Syst. Nat. 1, p. 223, 1758.

Coluber leopardinus.

Leopard Snake.

Hab. South Europe and west Asia: from Malta, Sicily and south Italy to Istria, the Balkan States, the Crimea and Asia Minor.

Figs. Anderson, Zool. Egypt, Rept. 1898, pl. 37 A, fig. 2, as *Coluber situla*: head, uncoloured. G. A. Boulenger, Snakes Europe, 1913, pl. 7, two lower figs. & p. 192, fig. 25: heads, tail, etc., uncoloured.

Two purchased 8 Aug. 1863.

522. *Elaphe quatuorlineata* (Lacépède), Hist. Nat. Quad. Ovip. Serp. 2, tabl. méth. p. 82, 1789.

Coluber quatuorlineatus G. A. Boulenger, Brit. Mus. Cat. Snakes, 2, p. 45, 1894.

Aldrovandi's Snake.

Hab. South and south-east Europe and west Asia : from Sicily and southern Italy to Istria, Greece, southern Russia, Asia Minor, Transcaucasia and Persia.

Figs. G. A. Boulenger, Snakes Europe, 1913, pl. 6, three upper figs., & p. 182, fig. 22 : heads, uncoloured.

One presented 6 July, 1878, by Lord Lilford, F.Z.S.

523. *Elaphe taeniura* Cope, Proc. Ac. Nat. Sci. Philad. p. 565, 1860.

Coluber taeniurus.

Cope's Band-tail Snake.

Hab. Eastern Asia : from Darjeeling in the west to Formosa and the Amur Province in the east, and south to the Malay Peninsula and islands.

Figs. Stejneger, Bull. U.S. Nat. Mus. 58, 1907, p. 320, figs. 273, 274 : head, uncoloured. G. A. Boulenger, Faun. Malay Pen. Rept. 1912, p. 142, fig. 46 : uncoloured.

First received—one purchased 2 Dec. 1886.

524. *Elaphe vulpina* (Baird & Girard), Cat. N. Amer. Rept. pt. 1, p. 75, 1853.

Coluber vulpinus.

Fox-Snake.

Hab. North America : Indiana, Iowa and Illinois, to Michigan, Minnesota and Lake Superior.

Fig. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 831, fig. 188 : head, uncoloured.

One received in exchange 8 July, 1911.

525. *Elaphe laeta* (Baird & Girard), Cat. N. Amer. Rept. pt. 1, p. 77, 1853.

Coluber laetus.

Southern Wolf-Snake.

Hab. North America: Kansas southward to central Mexico.

Figs. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), pp. 851, 853, figs. 196, 197, as *Coluber lactus* and *C. emoryi* Baird & Girard 1853: heads, etc., uncoloured.

One deposited 29 June, 1914.

526. *Elaphe obsoleta* (Say), in Long, Exp. Rocky Mts. 1, p. 140, 1823.

Coluber obsoletus. *Coluber confinis.*

Pilot Black-Snake.

Hab. North America: United States, from Michigan and southern New England southward to Texas, Louisiana and Florida.

Figs. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), pp. 829, 845, figs. 187, 194: heads, etc., uncoloured.

The typical form appears to have been received for the first time in 1856 or 1857. One presented 22 June, 1926, by Miss Doris Cochran represented *Elaphe obsoleta confinis* (Baird & Girard) 1853. Two purchased 18 Nov. 1927, were referred to *E. o. lindheimerii* (Baird & Girard) 1853.

527. *Elaphe quadrivittata* (Holbrook), N. Amer. Herp. ed. 1, 1, p. 113, 1836. v. Stejneger & Barbour, Check List N. Amer. Rept. ed. 2, p. 92, 1923.

Coluber obsoletus, List, ed. 9, 1896, p. 622.

Chicken-Snake.

Hab. North America: United States, Carolina to Florida, and west to the Mississippi River.

Figs. Holbrook, N. Amer. Herp. ed. 2, 3, 1842, pls. 19 & 20. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 839, fig. 192: head, uncoloured, as *Coluber quadrivittatus*.

First received before 29 Nov. 1851, on which date twelve were born in the Gardens; four of these were sent alive to Paris 8 April, 1852, the other eight averaged a life of 4 months 5 days each.

528. *Elaphe longissima* (Laurenti), Syn. Rept. p. 74, 1768.

Coluber longissimus.

Aesculapian Snake.

Hab. Europe and west Asia: from Italy to south Russia, Transcaucasia and north Persia, south to Sicily, Herzegovina and Roumania, west to parts of France and perhaps Spain, north to Bohemia and Carpathia, and formerly to the Moselle, Hesse and Zealand (Denmark).

Figs. G. A. Boulenger, Snakes Europe, 1913, pl. 7, two upper figs., & p. 187, fig. 24: heads, uncoloured.

Four received in exchange 21 Sept. 1868.

529. *Elaphe oxycephala* (Boie), Isis, 20, p. 537, 1827.

Coluber oxycephalus.

Red-tailed Tree-Snake.

Hab. South-east Asia: eastern Himalayas, Tenasserim, Malay Peninsula, Java, Natuna, Borneo, Philippines.

Figs. Schlegel, Abbild. Amphib. 1884, pl. 44, figs. 1-9, as *Herpetodryas oxycephalus*: scales and skull, uncoloured. Jan, Incon. gén. Ophid. 2, 31, 1869, pl. 1, as *Gonyosoma oxycephalum*: uncoloured.

One purchased 30 Sept. 1927.

530. *Elaphe prasina* (Blyth), J. Asiat. Soc. Bengal, 23, p. 291, 1854.

Coluber prasinus.

Blyth's Leek-green Snake.

Hab. South-east Asia: from the eastern Himalayas to Tonkin and the Malay Peninsula.

Fig. Günther, Rept. Brit. Ind. 1864, pl. 23, fig. D, as *Gonyosoma gramineum*: head, uncoloured.

Two deposited 2 Aug. 1900.

531. *Elaphe quadrivirgata* (Boie), Isis, 18, p. 209, 1826.

Coluber quadrivirgatus.

Four-striped Snake.

Hab. Japan.

Figs. Temminck & Schlegel, Faun. Japon. Rept. 1835, 1837, Ophid. pl. 1, as *Coluber virgatus*: uncoloured—reproduced in Stejneger, Herp. Jap. Bull. U.S. Nat. Mus. 58, 1907, pl. 21; see also Stejneger, *l. c. s.* pp. 329, 330, figs. 279-282: heads, etc., uncoloured.

Six presented 22 July, 1884, by Mr. G. Waller, F.Z.S.

532. *Elaphe radiata* (Schlegel), Phys. Serp. 2, p. 135, 1837.

Coluber radiatus.

Rayed Snake.

Hab. South-east Asia: from eastern India to south China, and southwards to the Malay Peninsula and islands.

Figs. Wall, J. Bombay Nat. Hist. Soc. 23, 1914, pl. 22, figs. 5-7: head, etc.

One presented 20 Oct. 1896, by Mr. W. G. Bligh.

533. *Elaphe scalaris* (Schinz), Cuv. Thierr. 2, p. 123, 1822.

Coluber scalaris G. A. Boulenger, Brit. Mus. Cat. Snakes, 2, p. 65, 1894.

Ladder Snake.

Hab. South-west Europe: Mediterranean coast of France, Spain, Portugal and Minorca.

Figs. G. A. Boulenger, Snakes Europe, 1913, pl. 8, & p. 194, fig. 26: heads, etc., uncoloured.

One purchased 9 June, 1879.

Genus **Coluber** Linnaeus, Syst. Nat. 1,
p. 216, 1758.

Species:

	Page		Page
1. <i>constrictor</i>	195	8. <i>florulentus</i>	197
2. <i>flagellum</i>	195	9. <i>fasciolatus</i>	197
3. <i>taeniatus</i>	195	10. <i>ravergieri</i>	198
4. <i>lateralis</i>	196	11. <i>algerius</i>	198
5. <i>jugularis</i>	196	12. <i>hippocrepis</i>	198
6. <i>dahlui</i>	196	13. <i>diadema</i>	199
7. <i>ventromaculatus</i>	197	14. <i>arenarius</i>	199

534. *Coluber constrictor* Linnaeus, Syst. Nat. 1, p. 216, 1758.

Zamensis constrictor G. A. Boulenger, Brit. Mus. Cat. Snakes, 1, p. 387, 1893.

American Black-Snake. Black-Racer. Blue-Racer. Green-Racer.

Hab. North America: nearly all the United States. Three subspecies are recognized, one of which, *C. c. mormon* (Baird & Girard) 1852, extends into British Columbia.

Figs. Holbrook, N. Amer. Herp. 3, 1842, pl. 11. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 791, fig. 171: head, uncoloured.

Three presented 22 July, 1884, by Mr. G. Waller, F.Z.S.

535. *Coluber flagellum* Shaw, Gen. Zool. 3, p. 475, 1802.

Zamensis flagelliformis G. A. Boulenger, Brit. Mus. Cat. Snakes, 1, p. 389, 1893.

Alternative name *Masticophis flagellum*.

Coach-Whip Snake.

Hab. North America: Virginia to Florida, and westward to the Rocky Mountains.

Figs. Holbrook, N. Amer. Herp. 4, 1842, pl. 2, as *Psammophis flagelliformis*. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), pp. 800, 804, figs. 174, 175: heads, etc., uncoloured.

Two presented 20 Aug. 1873, by Mr. A. Forrer. One, from Texas, presented 23 June, 1926, by Miss Doris Cochran, was referred to *Zamensis flagelliformis flavigularis* (Hallowell) 1852.

536. *Coluber taeniatus* (Hallowell), Proc. Ac. Nat. Sci. Philad. 6, p. 181, 1852.

Zamenis taeniatus.

Striped Racer.

Hab. North America: from Idaho and California to Texas.

Fig. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900)
p. 815, fig. 182: head, uncoloured.
One deposited 19 Jan. 1901.

537. *Coluber lateralis* (Hallowell), Proc. Ac. Nat. Sci. Philad. 6, p. 237, 1853.

Zamenis taeniatus var. *lateralis*.

Alternative name *Masticophis lateralis*.

Hallowell's Striped Racer. California Striped Racer.

Hab. Western North America: southern California and Lower California.

Figs. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 807, fig. 177, as *Zamenis lateralis lateralis*: head, uncoloured.

One presented 26 July, 1926, by Dr. L. M. Klauber.

538. *Coluber jugularis* Linnaeus, Syst. Nat. 1, p. 225, 1758.

Coluber gemonensis (Laurenti), Syn. Rept. p. 76, 1768.

Coluber viridiflavus Lacépède 1799.

Zamenis gemonensis G. A. Boulenger, Snakes Europe, p. 170, 1913.

European Whip-Snake. Dark-green Snake.

Hab. Europe and south-west Asia: from France, Switzerland and Italy, eastward to Syria and western Persia.

Figs. Anderson, Zool. Egypt, Rept. 1898, pl. 37 A, fig. 1: uncoloured. G. A. Boulenger, *l.c.* s. pl. 4 & pl. 5, upper fig., & p. 171, fig. 19: heads, etc., of four varieties, uncoloured.

One purchased 29 Dec. 1862.

539. *Coluber dahlia* (Fitzinger), Neue Classif. Rept. p. 60, 1826.

Zamenis dahlia.

Dahl's Whip-Snake.

Hab. South-east Europe and west Asia: from Dalmatia to Palestine and Persia.

Figs. Anderson, Zool. Egypt, Rept. 1898, p. 251, fig. 10: head and neck, uncoloured. G. A. Boulenger, Snakes Europe, 1913, pl. 5, middle fig., & p. 178; fig. 20: heads, etc., uncoloured.

Four presented 21 Aug. 1876, by Lord Lilford, F.Z.S.

540. *Coluber ventromaculatus* J. E. Gray, Illustr. Ind. Zool. 2, pl. 80, fig. 1, 1834.

Zamenis ventrimaculatus G. A. Boulenger, Brit. Mus. Cat. Snakes, 1, p. 399, 1893.

Gray's Rat-Snake. Spot-bellied Snake.

Hab. Western Asia: from Palestine, through Mesopotamia, Persia, Baluchistan and Afghanistan to western India.

Figs. Wall, J. Bombay Nat. Hist. Soc. 23, 1914, pl. 22, figs. 3 & 4: head, etc. G. A. Boulenger, Faun. Brit. Ind. Rept. 1890, p. 278, fig. 87: head, uncoloured.

One purchased 14 July, 1882.

541. *Coluber florulentus* Schlegel, Phys. Serp. 1, p. 149; 2, p. 166, 1837. v. Sherborn, Index Anim. 2, pt. 10, p. 2468, 1926.

Zamenis florulentus G. A. Boulenger, Brit. Mus. Cat. Snakes, 1, p. 402, 1893.

Flowered Snake.

Hab. North-east Africa: Egypt.

Fig. Anderson, Zool. Egypt, Rept. 1898, pl. 37, fig. 1: head, uncoloured.

Two received in exchange 6 March, 1897.

542. *Coluber fasciolatus* Shaw, Gen. Zool. 3, p. 528, 1802.

Zamenis fasciolatus.

Varied Rat-Snake.

Hab. India: from the base of the Himalayas to Cape Comorin, and in the north of Ceylon.

Figs. Günther, Rept. Brit. Ind. 1864, pl. 21, fig. F: head, uncoloured. Wall, J. Bombay Nat. Hist. Soc. 23, 1914, pl. 22, figs. 1 & 2: head, etc.

Two received in exchange 21 May, 1912.

543. *Coluber ravergeri* Ménétriés, Cat. Rais. Obj. Zool. p. 69, 1832.

Coluber nummifer Reuss, Mus. Senckenb. 1, p. 135, 1834.

Zamenis ravergeri and *Z. nummifer* G. A. Boulenger, Brit. Mus. Cat. Snakes, 1, pp. 405, 407, 1893.

Raverger's Whip-Snake. Coin-marked Snake.

Hab. Western Asia: Transcaucasia, Persia, Transcaspia, Turkestan, Afghanistan, with the southern race *nummifer* in Asia Minor, Cyprus and Syria, and entering north-east Africa in Egypt.

Fig. Anderson, Zool. Egypt, Rept. 1898, pl. 37, fig. 2: head and neck, uncoloured.

One purchased 10 June, 1882, was referred to *nummifer*: one deposited 19 July, 1898, was the first registered as *ravergeri*.

544. *Coluber algirus* (Jan), Elenco sist. Ofidi, p. 60, 1863.

Zamenis algirus G. A. Boulenger, Brit. Mus. Cat. Snakes, 1, p. 408, 1893.

Algerian Snake.

Hab. North Africa: Algeria and Tunisia.

Fig. Jan, Icon. gén. Ophid. 3, 48, 1876, pl. 4, fig. 2, as *Periops algirus*: uncoloured.

One purchased 14 June, 1920.

545. *Coluber hippocrepis* Linnaeus, Syst. Nat. 1, p. 226, 1758.

Zamenis hippocrepis.

Horseshoe Whip-Snake.

Hab. South-west Europe and north-west Africa: Spain, Portugal, Sardinia, Pantellaria, Morocco, Algeria and Tunisia.

Fig. G. A. Boulenger, Snakes Europe, 1913, pl. 5, lower fig., & p. 179, fig. 21: heads, uncoloured.

First received in 1848 or early in 1849.

546. *Coluber diadema* Schlegel, Phys. Serp. 2, p. 148, 1837.

Coluber cliffordii Schlegel, *l. c. s.* p. 163.

Zamenis diadema.

Clifford's Snake. (Named after Mr. Clifford Cocq van Breugel, who discovered this species in Tripoli.)

Hab. North-east Africa and south-west Asia: widely distributed from Algeria to India.

Fig. Anderson, Zool. Egypt, Rept. 1898, pl. 38.

Wall, J. Bombay Nat. Hist. Soc. 23, 1914, pl. 23, figs. 1-6: heads, etc.

One presented 25 May, 1850, by the Hon. Charles A. Murray.

547. *Coluber arenarius* (G. A. Boulenger), Faun. Ind. Rept. p. 329, 1890.

Zamenis arenarius.

Buff Whip-Snake.

Hab. India: Sind and Rajputana.

Fig. G. A. Boulenger, Brit. Mus. Cat. Snakes, 1, 1893, pl. 28, fig. 2: head and neck, uncoloured.

One presented 26 July, 1923, by Mr. A. A. L. Flynn, C.M.Z.S.

Genus **Pituophis** Holbrook, N. Amer. Herp. ed. 2, 4, p. 7, 1842.

Species:

	Page
1. <i>catenifer</i>	199
2. <i>melanoleucus</i>	200
3. <i>sayi</i>	200

548. *Pituophis catenifer* (Blainville), Nouv. Ann. Mus. Hist. Nat. Paris, 4, p. 290, 1835.

Coluber catenifer.

Western Bull-Snake. Chained Snake. Gopher-Snake (in California).

Hab. North America : California to British Columbia, with subspecies extending into Lower California, Nevada, Arizona and Utah.

Figs. Blainville, *l. c. s.* pl. 26, fig. 2. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 877, fig. 208, as *Pityophis catenifer* : head, etc., uncoloured,

One presented 20 Aug. 1873, by Mr. A. Forrer.

549. *Pituophis melanoleucus* (Daudin), Hist. Nat. Rept. 6, p. 409, 1803.

Coluber melanoleucus.

Pine-Snake.

Hab. North America : United States, pine barrens of southern New Jersey to South Carolina.

Figs. Holbrook, N. Amer. Herp. 4, 1842, pl. 1. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 868, fig. 203, as *Pityophis melanoleucus* : head, etc., uncoloured.

Probably first received in 1884.

550. *Pituophis sayi* (Schlegel), Essai Physion. Serp. 2, p. 157, 1837.

Coluber sayi.

Bull-Snake.

Hab. North America : United States, Texas to Minnesota.

Fig. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 870, fig. 204, as *Pityophis sayi sayi* : head, etc., uncoloured.

One purchased 7 June, 1927.

Genus **Arizona** Kennicott, in Baird, U.S. Mex. Bound. Surv. 2, Rept. p. 18, 1859.

Species:

	Page
1. <i>elegans</i>	201

551. *Arizona elegans* Kennicott, in Baird, U.S. Mex. Bound. Surv. 2, Rept. p. 18, 1859.
Coluber arizonae G. A. Boulenger, Brit. Mus. Cat. Snakes, 2, p. 66, 1894.
 Arizona Mole-Snake. Faded Snake.
Hab. North America: from California and Arizona to Oklahoma and Texas, and northern Mexico.
Fig. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 863, fig. 201, as *Rhinechis elegans*: head, etc., uncoloured.
 One purchased 29 June, 1914.

Genus **Chironius** Fitzinger, Neue Classif. Rept. p. 31, 1826.

Species:

	Page
1. <i>carinatus</i>	201

552. *Chironius carinatus* (Linnaeus), Syst. Nat. 1, p. 223, 1758.
Erpetodryas carinatus Boie, Isis, 20, p. 548, 1827.
Herpetodryas carinatus G. A. Boulenger, Brit. Mus. Cat. Snakes, 2, p. 73, 1894.
 Commoody Snake. Harlequin Snake.
Hab. America: widely distributed, from central America and the Lesser Antilles to Argentina and the extreme south of Brazil.
Figs. Wagler, in Spix, Serp. Bras. 1824, pl. 8, as *Natrix scurrula*. Jan, Icon. gén. Ophid. 2, 31, 1869, pl. 2, figs. 2-4: uncoloured.
 One presented between 29 April, 1848, and 30 April, 1849, by Capt. M'Luckie.

Genus **Ahaetulla** J. E. Gray, Ann. Philos. London (2), 10, p. 208, 1825.

Species:

	Page
1. <i>pieta</i>	202
2. <i>punctulata</i>	202

553. *Ahaetulla picta* (J. F. Gmelin), Syst. Nat. 1, p. 1116, 1788.

Dendrophis pictus G. A. Boulenger, Brit. Mus. Cat. Snakes, 2, p. 78, 1894.

Painted Tree-Snake.

Hab. South-east Asia: from India and the eastern Himalayas to Yunnan, Hainan, Cambodia and the Philippine Islands, and south through the Malay Peninsula and Archipelago.

Figs. J. E. Gray, Illustr. Ind. Zool. 2, 1834, pl. 80, as *Ahaetulla bellii*. Wall, J. Bombay Nat. Hist. Soc. 19, 1910, pl. 12: head, etc.

One presented 6 May, 1886, by Mr. C. Hagenbeck.

Synonym. *Ahaetulla boiga* (Lacépède) 1789. K. P. Schmidt, Bull. Amer. Mus. Nat. Hist. 54, p. 445, 1927.

554. *Ahaetulla punctulata* (J. E. Gray), in King, Narrative Survey Coast Australia, 2, p. 432, 1827.

Dendrophis punctulatus G. A. Boulenger, Brit. Mus. Cat. Snakes, 2, p. 82, 1894.

Australian Tree-Snake.

Hab. Australia: widely distributed in eastern and northern districts.

Figs. Krefft, Snakes Austr. 1869, pl. 4, & pl. 5, fig. 6.

One received in exchange 11 June, 1885, from the Zool. Soc. of New South Wales.

Genus **Dendrelaphis** G. A. Boulenger, Faun. Brit. Ind. Rept. p. 339, 1890.

Species:

	Page
1. <i>caudolineatus</i>	202

555. *Dendrelaphis caudolineatus* (J. E. Gray), Illustr. Ind. Zool. 2, pl. 81, 1834.

Tail-lined Tree-Snake.

Hab. South-east Asia: Malay Peninsula and islands.

Fig. J. E. Gray, *l.c.s.*, as *Ahaetulla caudolineata*.

One presented in April 1923 by the Singapore Natural History Society.

Genus **Chlorophis** Hallowell, Proc. Ac. Nat.
Sci. Philad. 1857, p. 53.

Species :

	Page
1. <i>hoplogaster</i>	203
2. <i>neglectus</i>	203
3. <i>irregularis</i>	203

556. *Chlorophis hoplogaster* (Günther), Ann. Mag. Nat.
Hist. (3) 11, p. 284, 1863.

Oldham's Snake.

Hab. Africa : Central, East and South Africa.

Fig. Brit. Mus. Cat. Snakes, 2, 1894, pl. 5, fig. 2 :
head and neck, uncoloured.

Two presented 19 Nov. 1897, by Mr. J. E. Matcham,
C.M.Z.S.

557. *Chlorophis neglectus* (Peters), Mon. Berlin Ak. 1866,
p. 890, footnote.

Peters's Green Snake.

Hab. East Africa : from Somaliland southward to
Portuguese East Africa and southern Rhodesia.

Fig. Peters, Reise Mossamb. Rept. 3, 1882, pl. 19, A,
fig. 2, as *Philothamnus neglectus* : head.

Five received 5 Aug. 1927, collected by Mr. H. B.
Cott, F.Z.S.

558. *Chlorophis irregularis* (Leach), in Bowditch, Miss.
Ashantee, p. 494, 1819.

Spotted Leaf-Snake.

Hab. Tropical Africa : from Senegambia and Uganda
southward to Damaraland and southern Rhodesia.

Figs. A. Smith, Illustr. Zool. S. Afr. Rept. 1840,
pl. 64, fig. 3, & pl. 65, as *Dendrophis albovariatatus*.

Two presented 15 Aug. 1922, by Capt. C. H. Armitage.

Genus **Philothamnus** A. Smith, Illustr.
Zool. S. Afr. Rept., text to
pl. 59, 1840.

Species :

	Page
1. <i>semivariiegatus</i>	204

559. *Philothamnus semivariiegatus* (A. Smith), Illustr
Zool. S. Afr. Rept., text to pl. 59, 1840.

Varied Bush-Snake Spotted Wood-Snake.

Hab. Africa : from Senegambia and British East
Africa southwards to the Cape Province.

Figs. A. Smith, *l. c. s.* pls. 59, 60 & 64, fig. 1, as
Dendrophis semivariiegata.

One presented 12 Oct. 1892, by Dr. W. H. B. MacDonald.

Genus **Gastropyxis** Cope, Proc. Ac. Nat. Sci.
Philad. 1860, p. 556.

Species :

	Page
1. <i>smaragdina</i>	204

560. *Gastropyxis smaragdina* (Schlegel), Phys. Serp. 2,
p. 237, 1837.

Emerald Tree-Snake.

Hab. Tropical Africa : from Sierra Leone and Uganda
southward to the Congo States and northern Angola.

Figs. Jun, Icon. gén. Ophid. 3, 49, 1879, pl. 6, fig. 4,
as *Leptophis smaragdinus* : head, uncoloured. K. P.
Schmidt, Bull. Amer. Mus. Nat. Hist. 49, 1923,
pl. 7 : photograph.

One presented 5 Sept. 1910 by Dr. H. G. F. Spurrell.

Genus **Thrasops** Hallowell, Proc. Ac. Nat.
Sci. Philad. 1857, p. 67.

Species :

	Page
1. <i>flavicularis</i>	205

561. *Thrasops flavigularis* (Hallowell), Proc. Ac. Nat. Sci. Philad. 6, p. 205, 1852,
Yellow-throated Snake.
Hab. West Africa : Sierra Leone to the Congo.
Fig.
One presented 12 Dec. 1910, by Dr. H. G. F. Spurrell.

Genus **Leptophis** Bell, Zool. Journ. London, 2, p. 328, 1825.

Species :

	Page
1. <i>ahaetulla</i>	205

562. *Leptophis ahaetulla* (Linnaeus), Syst. Nat. 1, p. 225, 1758.

Leptophis liocercus (Wied), Abbild. 1824. ^{Pl. tv.}
G. A. Boulenger, Brit. Mus. Cat. Snakes, 2, p. 113, 1894.

Band-tail Tree-Snake.

Hab. South America : countries east of the Andes, Trinidad and Tobago.

Fig. Jan, Icon. gén. Ophid. 3, 49, 1879, pl. 6, fig. 1 : uncoloured.

One presented 22 June, 1882, by Mr. C. A. Craven.

Genus **Dromicus** Cocteau & Bibron, in Ramon de la Sagra, Hist. Cuba, Rept. p. 132, 1838 (1843).

Species :

	Page
1. <i>antillensis</i>	205
2. <i>leucomelas</i>	206

563. *Dromicus antillensis* (Schlegel), Phys. Serp. 2, p. 214, 1837.
Antillean Snake.

Hab. West Indies: the Lesser Antilles from Martinique to the Virgin Islands, and San Domingo.

Fig. Jan, Icon. gén. Ophid. 2, 25, 1867, pl. 1, fig. 1: uncoloured.

Two presented 28 April, 1864, by Capt. Abbott.

564. *Dromicus leucomelas* Duméril & Bibron, Erp. gén. 7, p. 666, 1854.

Demi-deuil. Half-mourning Snake.

Hab. West Indies: Dominica, Guadeloupe, etc.

Fig. Jan, Icon. gén. Ophid. 2, 25, 1867, pl. 2, fig. 1: uncoloured.

One presented 10 July, 1888, by the West Indian Nat. Hist. Explor. Committee.

Genus **Leimadophis** Fitzinger, Syst. Rept.

p. 26, 1843. v. Amaral, Rev. Mus.

Paulista, 15, p. 77, 1925.

Species:

	Page		Page
1. <i>pocilogyrus</i>	206	5. <i>reginae</i>	207
2. <i>melanotus</i>	206	6. <i>cursor</i>	208
3. <i>typhlus</i>	207	7. <i>andreae</i>	208
4. <i>epinephalus</i>	207		

565. *Leimadophis pocilogyrus* (Wied), Abbild. Nat. Bras. Lief. 8, 1824.

Liophis pocilogyrus G. A. Boulenger, Brit. Mus. Cat. Snakes, 2, p. 131, 1894.

Spot-ringed Snake. Cobra de capim (in Brazil).

Hab. South America: Brazil, Paraguay, Uruguay and Argentina.

Figs. Wied, l. c. s. Rept. pl. 34 b, as *Coluber pocilogyrus*. Jan, Icon. gén. Ophid. 1, 17, 1866, pl. 6, fig. 1: uncoloured.

One presented 8 Sept. 1886, by Mr. E. Hunt.

566. *Leimadophis melanotus* (Shaw), Gen. Zool. 3, p. 534, 1802.

Liophis melanotus G. A. Boulenger, Brit. Mus. Cat. Snakes, 2, p. 134, 1894.

Black-backed Snake.

Hab. South America and Lesser Antilles: Colombia, Venezuela, Trinidad, Tobago and Grenada.

Fig. Jan, Icon. gén. Ophid. 2, 1866, pl. 3, fig. 4: uncoloured.

Two presented 4 Aug. 1892, by Messrs. R. R. Mole and F. W. Urich.

567. *Leimadophis typhlus* (Linnaeus), Syst. Nat. 1, p. 218, 1758.

Liophis typhlus G. A. Boulenger, Brit. Mus. Cat. Snakes, 2, p. 136, 1896.

White-lipped Snake.

Hab. South America: the Guianas, Brazil and north-east Peru.

Fig. Jan, Icon. gén. Ophid. 2, 18, 1866, pl. 4, fig. 2: uncoloured.

First received between 29 April, 1861, and 10 Feb. 1862, under the name of *Xenodon typhlus*.

568. *Leimadophis epinephalus* (Cope), Proc. Ac. Nat. Sci. Philad. 14, p. 78, 1862.

Liophis epinephelus G. A. Boulenger, Brit. Mus. Cat. Snakes, 2, p. 137, 1894.

Costa Rica Crossband Snake.

Hab. Tropical America: Central America and Colombia.

Fig. Günther, Biol. C.-Amer. Rept. 1893, pl. 37, fig. B: uncoloured.

One purchased 22 Jan. 1924.

569. *Leimadophis reginae* (Linnaeus), Syst. Nat. 1, p. 219, 1758.

Liophis reginae G. A. Boulenger, Brit. Mus. Cat. Snakes, 2, p. 137, 1894.

Royal Snake.

Hab. South America: the Guianas and Brazil to Ecuador and Peru, also in Trinidad.

Figs. Wagler, in Spix, *Serp. Brasil.* 1824, pl. 11, fig. 2, as *Natrix semilineata*. Jan, *Icon. gén. Ophid.* 1, 16, 1866, pl. 6, fig. 1 : & 2, 18, 1866, pl. 2, fig. 2 : uncoloured.

One presented 4 Aug. 1892, by Messrs. R. R. Mole and F. W. Urich.

570. *Leimadophis cursor* (Lacépède), *Hist. Nat. Quad. Ovip. Serp.* 2, tabl. méth. p. 96, 1789.

Liophis cursor G. A. Boulenger, *Brit. Mus. Cat. Snakes*, 2, p. 139, 1894.

Fugitive Snake.

Hab. West Indies : Guadeloupe, Martinique, St. Lucia.

Fig. Jan, *Icon. gén. Ophid.* 2, 23, 1867, pl. 5, fig. 3, as *Dromicus cursor* : uncoloured.

One purchased 14 Aug. 1876.

571. *Leimadophis andreae* (Reinhardt & Lütken), *Vidensk. Meddel. naturhist. Foren. Kjöbenhavn*, 1862, p. 214, 1863.

Liophis andreae G. A. Boulenger, *Brit. Mus. Cat. Snakes*, 2, p. 140, 1894.

Andréa's Cuban Snake.

Hab. West Indies : Cuba.

Fig. Jan, *Icon. gén. Ophid.* 2, 23, 1867, pl. 5, fig. 2, as *Dromicus cursor* : uncoloured.

One deposited 27 Aug. 1903.

Genus **Cyclagras** Cope, *Proc. Amer. Philos. Soc.* 22, p. 185, 1885.

Species :

	Page
1. <i>gigas</i>	208

572. *Cyclagras gigas* (Duméril & Bibron), *Erp. gén.* 7, p. 761, 1854.

Boipevussú Snake.

Hab. South America : Argentina, Bolivia and Brazil.

Fig. Jan, *Icon. gén. Ophid.* 3, 48, 1876, pl. 3, fig. 6, as *Xenodon gigas* : uncoloured.

Three deposited 23 May, 1924.

Genus **Ophis** Wagler, in Spix, Spec. Nov.
Serp. Brasil. p. 47, 1824.

Species :

	Page
1. <i>rabdocephala</i>	209
2. <i>neuwiedii</i>	209
3. <i>merremii</i>	209

573. *Ophis rabdocephala* (Wied), Beitr. Nat. Bras. 1,
p. 351, 1825.

Xenodon colubrinus G. A. Boulenger, Brit. Mus.
Cat. Snakes, 2, p. 146, 1894.

Striped-headed Snake.

Hab. Tropical America : from Guatemala and Honduras
to Peru and Brazil.

Fig. Ann. Mag. Nat. Hist. (3) 12, 1863, pl. 5, fig. E,
as *Xenodon colubrinus* Günther 1858 : head, un-
coloured.

One received in 1861.

574. *Ophis neuwiedii* (Günther), Ann. Mag. Nat. Hist.
(3) 12, p. 354, 1863.

Xenodon neuwiedii.

Prince Maximilian's Snake.

Hab. South America : Brazil.

Fig. Ann. Mag. Nat. Hist. (3) 12, 1863, pl. 5, fig. C :
head, uncoloured.

One presented in Nov. 1868, by Dr. Wucherer, C.M.Z.S.

575. *Ophis merremii* Wagler, in Spix, Spec. Nov. Serp.
Brasil. p. 47, 1824.

Xenodon merremii.

Merrem's Boipeva Snake.

Hab. South America : the Guianas, Brazil, Paraguay
and Argentina.

Figs. Wagler, *l.c.s.* pl. 17. Günther, Ann. Mag.
Nat. Hist. (3) 12, 1863, pl. 5, fig. B, as *X. rhabdo-*
cephalus : head, uncoloured.

One presented 28 April, 1914, by Mr. W. A. Smithers,
C.M.Z.S.

Genus **Lystrophis** Cope, Proc. Amer. Philos. Soc. 22, p. 193, 1885.

Species :

	Page
1. <i>dorbignyi</i>	210

576. *Lystrophis dorbignyi* (Duméril & Bibron), Erp. gén. 7, p. 772, 1854.

D'Orbigny's Snake.

Hab. South America : southern Brazil, Paraguay, Uruguay, Argentina and Chile.

Figs. Jan, Icon. gén. Ophid. 3, 48, 1876, pl. 3, figs. 3 & 4, as *Heterodon dorbignyi*: head, uncoloured.

One purchased 24 Oct. 1878.

Genus **Heterodon** Latreille, Hist. Nat. Rept. 4, p. 32, 1802. v. Stejneger & Barbour, Check List N. Amer. Rept. ed. 2, p. 84, 1923.

Species :

	Page
1. <i>contortrix</i>	210
2. <i>simus</i>	211
3. <i>nasicus</i>	211

577. *Heterodon contortrix* (Linnaeus), Syst. Nat. 1, p. 373, 1766.

Heterodon platyrhinus G. A. Boulenger, Brit. Mus. Cat. Snakes, 2, p. 154, 1894.

Heterodon platyrhinos, List, ed. 9, p. 626, 1896.

Hog-nosed Snake. Spreading Adder, Puffing Adder, Hog-nose Adder, Blow-snake (in America).

Hab. North America : United States, Massachusetts to Florida, westward to Texas, and northward through the States of the Mississippi basin to Minnesota.

Figs. Holbrook, N. Amer. Herp. 4, 1842, pl. 17, as *Heterodon platyrhinos*. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), pp. 762, 764, figs. 165, 166: heads, etc., uncoloured. E. G. Boulenger, Rept. & Batr. 1914, p. 156: photographs.

One presented 17 May, 1877, by Dr. F. Painter, F.Z.S.

578. *Heterodon simus* (Linnaeus), Syst. Nat. 1, p. 375, 1766.

Short Fat Hog-nosed Snake.

Hab. North America: south-eastern United States, Indiana to Florida.

Figs. Holbrook, N. Amer. Herp. 4, 1842, pl. 15.
Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900),
p. 770, fig. 167: head, etc., uncoloured.

Two purchased 12 June, 1926.

579. *Heterodon nasicus* Baird & Girard, in Stansbury, Expl. Surv. Vall. Great Salt Lake, p. 352, 1852.

Western Hog-nosed Snake.

Hab. North America: south-western Iowa, Kansas and Nebraska, west to Montana and Arizona, south to Texas and northern Mexico.

Fig. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900),
p. 775, fig. 168: head, etc., uncoloured.

One presented 12 Nov. 1883, by Mr. S. Garman, C.M.Z.S.

Genus **Aporophis** Cope, Proc. Amer. Philos. Soc. 17, p. 34, 1877.

Species :

	Page
1. <i>coralliventris</i>	211

580. *Aporophis coralliventris* G. A. Boulenger, Ann. Mag. Nat. Hist. (6) 13, p. 346, 1894.

Coral-bellied Snake.

Hab. South America: Paraguay, and Uruguay?

Fig. Brit. Mus. Cat. Snakes, 2, 1894, pl. 7, fig. 2:
head and neck, uncoloured.

One presented 15 Dec. 1926, by Mr. C. R. Barry.

Genus **Liophis** Wagler, Syst. Amphib.
p. 187, 1830.

Species :

	Page
1. <i>anomala</i>	212
2. <i>cobella</i>	212
3. <i>miliaria</i>	212

581. *Liophis anomala* (Günther), Brit. Mus. Cat. Colubr. Snakes, p. 37, 1858.

Rhadinaea anomala G. A. Boulenger, Brit. Mus. Cat. Snakes, 2, p. 165, 1894.

Parana Beauty Snake.

Hab. South America : southern Brazil, Paraguay and Argentina.

Fig. Jan, Icon. gén. Ophid. 1, 17, 1866, pl. 3, fig. 4, as *Coronella pulchella* : uncoloured.

One presented 22 May, 1890, by Mr. A. E. Derrett.

582. *Liophis cobella* (Linnaeus), Syst. Nat. 1, p. 218, 1758.

Rhadinaea cobella G. A. Boulenger, Brit. Mus. Cat. Snakes, 2, p. 166, 1894.

Cobella Snake.

Hab. South America : the Guianas and Brazil.

Fig. Jan, Icon. gén. Ophid. 1, 16, 1866, pl. 5, fig. 1 : uncoloured.

One presented 5 Aug. 1879, by Mr. G. H. Hawtayne, C.M.Z.S.

583. *Liophis miliaria* (Linnaeus), Syst. Nat. 1, p. 220, 1758.

Rhadinaea merremii (Wied) 1821. G. A. Boulenger, Brit. Mus. Cat. Snakes, 2, p. 168, 1894.

Merrem's Water-Snake.

Hab. South America : Brazil.

Fig. Wagler, in Spix, Serp. Brasil. 1824, pl. 2 B, fig. 2, as *Natrix chiametta*.

One purchased 17 Jan. 1874.

Genus **Hydrops** Wagler, Syst. Amphib.
p. 170, 1830.

Species :

	Page
1. <i>triangularis</i>	213

584. *Hydrops triangularis* (Wagler), in Spix, Spec.
Nov. Serp. Brasil. p. 5, 1824.

Coral Water-Snake. Cobra Coral (in Brazil).

Hab. South America : the Guianas and Brazil.

Figs. Wagler, *l.c.s.* pl. 2 A, fig. 1, as *Elaps triangularis*. Jan, Icon. gén. Ophid. 2, 29, 1868, pl. 4, fig. 1, as *Calopisma martii* (Schlegel) 1837 : uncoloured.

One presented 8 May, 1893, by Mr. S. Bollers.

Genus **Coronella** Laurenti, Syn. Rept.
p. 84, 1768.

Species :

	Page
1. <i>austriaca</i>	213
2. <i>gironдика</i>	213

585. *Coronella austriaca* Laurenti, Syn. Rept. p. 84,
1768.

Smooth Snake.

Hab. Europe : southern England, France, Belgium and Germany, eastward to the Caucasus, south to northern Portugal, Spain, Italy, Sicily and northern Greece, north to southern Norway and Sweden.

Figs. Cooke, Our Reptiles, ed. 2, 1893, pl. 4. G. A. Boulenger, Snakes Europe, 1913, pl. 9, & p. 197, fig. 27 : uncoloured.

First received 28 April, 1849.

586. *Coronella gironдика* (Daudin), Hist. Nat. Rept. 6,
p. 432, 1803.

Bordeaux Snake. Southern Smooth Snake.

Hab. South-west Europe and north-west Africa : southern France, Italy, Spain, Portugal, Morocco and Algeria.

Figs. G. A. Boulenger, Snakes Europe, 1913, pl. 10, & p. 203, p. 28 : uncoloured.

One presented 22 May, 1880, by Lieut. L. L. Fenton.

Genus **Rhinocheilus** Baird & Girard, Cat. N. Amer. Rept. pt. 1, p. 120, 1853.

Species :

	Page
1. <i>lecontei</i>	214

587. *Rhinocheilus lecontei* Baird & Girard, Cat. N. Amer. Rept. pt. 1, p. 120, 1853.

Rhinocheilus lecontei G. A. Boulenger, Brit. Mus. Cat. Snakes. 2, p. 212, 1894.

Leconte's Sharp-nosed Snake.

Hab. North America : from Idaho to Lower California, northern Mexico and Texas.

Figs. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 931, fig. 236 : head, etc., uncoloured.

One deposited 19 Jan. 1901.

Genus **Cemophora** Cope, Proc. Ac. Nat. Sci. Philad. 1860, p. 244.

Species :

	Page
1. <i>coccinea</i>	214

588. *Cemophora coccinea* (Blumenbach), in Voigt, Mag. Neu. Phys. Naturg. 5, pt. 1, p. 11, 1788. v. Stejneger & Barbour, Check List N. Amer. Rept. ed. 2, p. 103, 1923.

Scarlet Snake.

Hab. North America : south-eastern United States, Maryland to Louisiana, Alabama and Florida.

Figs. Holbrook, N. Amer. Herp. 3, 1842, pl. 30, as *Rhinostoma coccinea*. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 929, fig. 235: head, etc., uncoloured.

One presented 6 Oct. 1897, by Mr. J. H. Fleming.

Genus **Lampropeltis** Fitzinger, Syst. Rept. p. 25, 1843.

Species:

	Page
1. <i>getulus</i>	215
2. <i>californiae</i>	215
3. <i>calligaster</i>	216
4. <i>triangulum</i>	216
5. <i>multicincta</i>	217

589. *Lampropeltis getulus* (Linnaeus), Syst. Nat. 1, p. 382, 1766.

Coronella getula.

King-Snake. Chain-Snake (locally, in America).

Hab. North America: the typical subspecies occurs from southern New England to northern Florida; other subspecies extend the range to southern Florida, Texas, Mexico, Lower California, Iowa, etc.

Figs. Holbrook, N. Amer. Herp. 3, 1842, pl. 21. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), pp. 914, 917, figs. 227, 228, as *Ophibolus getulus*: heads, etc., uncoloured.

First received from North Carolina in 1856 or 1857. Individuals from Mexico, received 6 Dec. 1870, from S.W. Dakota 3 Nov. 1882, and from California 25 June, 1926, probably represent, respectively, *L. g. splendida* (Baird & Girard) 1853, *L. g. holbrookii* Stejneger 1902, and *L. g. boylii* (Baird & Girard) 1853.

590. *Lampropeltis californiae* (Blainville), Nouv. Ann. Mus. Hist. Nat. Paris, 4, p. 292, 1835.

Coronella californiae.

California King-Snake.

Hab. Western North America : California and Lower California.

Figs. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 922, fig. 231, as *Ophibolus getulus californiae* : head, etc., uncoloured.

One purchased 25 June, 1926, two 21 July, 1927.

591. *Lampropeltis calligaster* (Harlan), J. Ac. Nat. Sci. Philad. 5, p. 359, 1827.

Coronella calligaster G. A. Boulenger, Brit. Mus. Cat. Snakes, 2. p. 198, 1894.

Red-bellied King-Snake.

Hab. North America : from Wisconsin and Illinois south to Texas.

Figs. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 906, fig. 223, as *Ophibolus calligaster* (Say) 1835 : head, etc., uncoloured.

One presented 11 May, 1897, by Mr. R. R. Mole, C.M.Z.S.

592. *Lampropeltis triangulu* (Lacépède), Hist. Nat. Quadr. Ovip. Serp. 2, tabl. méth. p. 86, 1789.

Coronella triangulum.

Milk-Snake.

Hab. North America : the typical subspecies occurs in the eastern United States from Maine to Iowa, south to Virginia and further south in mountains ; other subspecies extend the distribution of the species to Arkansas, Texas and Mexico.

Figs. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), pp. 885-890, figs. 210-215, as *Osceola doliata triangula* (Boie) 1827, etc. : heads, uncoloured

The first individual received in the Gardens was a female purchased 2 July, 1886, which on 5 Sept. 1886, gave birth to five young.

Three deposited 3 May, 1900, represent *L. t. gentilis* (Baird & Girard) 1853, and one purchased 8 May, 1924, *L. t. amaura* Cope 1860.

593. *Lampropeltis multicincta* (Yarrow), Proc. U.S. Nat. Mus. 5, p. 440, 1882. v. Stejneger & Barbour, Check List N. Amer. Rept. ed. 2, p. 100 & footnote, 1923.

Coronella zonata G. A. Boulenger, Brit. Mus. Cat. Snakes, 2, p. 202, 1894.

Coral King-Snake. Red-ringed Snake.

Hab. North America: California.

Fig.

One deposited 13 Nov. 1919.

Genus **Diadophis** Baird & Girard, Cat. N. Amer. Rept. pt. 1, p. 112, 1853.

Species:

	Page
1. <i>punctatus</i>	217
2. <i>amabilis</i>	217

594. *Diadophis punctatus* (Linnaeus), Syst. Nat. 1, p. 376, 1766.

Coronella punctata.

American Ring-neck Snake.

Hab. North America: widely distributed from southern Canada southwards to Texas and Florida.

Figs. Holbrook, N. Amer. Herp. 3, 1842, pl. 18.
Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 751, fig. 162: head, etc., uncoloured.

Three presented 3 Oct. 1871, by Mr. A. Downs, C.M.Z.S.

595. *Diadophis amabilis* Baird & Girard, Cat. N. Amer. Rept. pt. 1, p. 113, 1853.

Coronella amabilis.

Western Ring-neck Snake.

Hab. North America: California.

Figs. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), pp. 747, 749, figs. 157 & 160: heads, etc., uncoloured.

One deposited 13 Nov. 1919.

Genus **Prosymna** J. E. Gray, Brit. Mus. Cat.
Snakes, p. 80, 1849.

Species :

	Page
1. <i>sundewallii</i>	218
2. <i>meleagris</i>	218

596. *Prosymna sundewallii* (A. Smith), Illustr. Zool.
S. Afr. Rept. App. p. 17, 1849.

Prosymna sundewallii G. A. Boulenger, Brit. Mus.
Cat. Snakes, 2, p. 247, 1894.

Coppery Snake.

Hab. South Africa.

Fig.

One purchased 23 April, 1879.

597. *Prosymna meleagris* (Reinhardt), Kong. Danske
Vidensk. Selsk. Afhandl. 10, p. 238, 1843.

Meleager Snake. Reinhardt's Ground-Snake.

Hab. Tropical Africa : Sierra Leone to Nigeria, the
Congo and the Blue Nile.

Figs. Reinhardt, *l. s. c.* pl. 1, figs. 4-6 : head, un-
coloured.

One presented 2 Sept. 1922, by the Rev. A. Shaw.

Genus **Contia** Baird & Girard, Cat. N. Amer.
Rept. pt 1, p. 110, 1853.

Species :

	Page
1. <i>decemlineata</i>	218
2. <i>rothii</i>	219

598. *Contia decemlineata* (Duméril & Bibron), Erp. gén.
7, p. 327, 1854.

Ten-lined Snake.

Hab. West Asia : Syria and Palestine.

Figs. Jan, *Icon. gén. Ophid.* 1, 15, 1866, pl. 4, figs. 2-4, as *Eirenis collaris* [not of Ménétriés 1832], varieties: uncoloured.

Three deposited 17 May, 1900.

599. *Contia rothii* (Jan), *Arch. Zool. Anat. Fisiol. Genova*, 2, p. 259, 1863.

Contia rothi G. A. Boulenger, *Brit. Mus. Cat. Snakes*, 2, p. 262, 1894.

Roth's Snake.

Hab. West Asia: Syria and Palestine.

Fig. Jan, *Icon. gén. Ophid.* 1, 15, 1866, pl. 5, fig. 1, as *Eirenis rothi*: uncoloured.

Two deposited 2 May, 1901.

Genus **Liopeltis** Fitzinger, *Syst. Rept.*
p. 26, 1843.

Species:

	Page
1. <i>vernalis</i>	219

600. *Liopeltis vernalis* (Harlan), *J. Ac. Nat. Sci. Philad.* 5, p. 361, 1827.

Contia vernalis.

Smooth Green-Snake. Grass Snake (locally, in America).

Hab. North America: from southern Canada, through the eastern and middle United States, to Florida, Texas and New Mexico.

Figs. Holbrook, *N. Amer. Herp.* 3, 1842, pl. 17, as *Coluber vernalis*. Cope, *Ann. Rep. U.S. Nat. Mus.* 1898 (1900), p. 782, fig. 169: head, etc., uncoloured.

One presented 2 Oct. 1863, by Mr. A. Downs, C.M.Z.S.

Genus **Opheodrys** Fitzinger, *Syst. Rept.*
p. 26, 1843.

Species:

	Page
1. <i>aestivus</i>	220

601. *Opheodrys aestivus* (Linnaeus), Syst. Nat. 1, p. 387, 1766.

Contia aestiva.

Rough Green-Snake. Summer Snake.

Hab. North America: widely distributed in the United States, in suitable localities, from New Mexico, Kansas and Illinois to New Jersey, Maryland, the Carolinas and Florida.

Figs. Holbrook, N. Amer. Herp. 4, 1842, pl. 3, as *Leptophis aestivus*. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 785, fig. 170, as *Cyclophis aestivus*: heads, etc., uncoloured,

One presented 9 July, 1888, by Mr. H. E. T. Glover.

Genus **Homalosoma** Wagler, Syst. Amphib.
p. 190, 1830.

Species:

	Page
1. <i>lutrix</i>	220

602. *Homalosoma lutrix* (Linnaeus), Syst. Nat. 1, p. 216, 1758.

Duberria Snake. Smooth-bellied Snake.

Hab. East and South Africa: from Abyssinia to the Cape Province.

Fig. Jan, Icon. gén. Ophid. 1, 13, 1865, pl. 3, fig. 3: uncoloured.

One presented 26 Aug. 1878, by the Rev. G. H. R. Fisk, C.M.Z.S.

Genus **Grayia** Günther, Brit. Mus. Cat.
Colubr. Snakes, p. 50, 1858.

Species:

	Page
1. <i>smythii</i>	220

603. *Grayia smythii* (Leach), in Tuckey, Narr. Exped. explore R. Zaire, App. p. 409, 1818.

Smyth's Snake.

Hab. Tropical Africa: from Sierra Leone to Angola, and eastward to Uganda and Tanganyika.

Fig. Brit. Mus. Cat. Snakes, 2, 1894, pl. 13, fig. 3: head and neck, uncoloured.

One presented 12 Dec. 1910, by Dr. H. G. F. Spurrell.

Genus **Abastor** J. E. Gray, Brit. Mus.
Cat. Snakes, p. 78, 1849.

Species:

	Page
1. <i>erythrogrammus</i>	221

604. *Abastor erythrogrammus* (Daudin), Hist. Nat. Rept. 7, p. 93, 1803.

Rainbow-Snake. Red-striped Wampun Snake.

Hab. North America: south-eastern United States, Virginia to Florida and Alabama.

Figs. Holbrook, N. Amer. Herp. 3, 1842, pl. 25, as *Helicops erythrogrammus*. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 739, fig. 153: head, etc., uncoloured.

One presented between 29 April, 1858, and 29 April, 1859, by Mr. Odo Russell.

Genus **Farancia** J. E. Gray, Zool. Misc.
London, p. 68, 1844.

Species:

	Page
1. <i>abacura</i>	221

605. *Farancia abacura* (Holbrook), N. Amer. Herp. ed. 1, 1, p. 119, 1836. v. Stejneger & Barbour, Check List N. Amer. Rept. ed. 2, p. 81, 1923.

Horn-Snake. Red-bellied Mud-Snake.

Hab. North America: Virginia to Florida and Louisiana, thence up the Mississippi Valley to as far north as Indiana.

Figs. Holbrook, N. Amer. Herp. 3, 1842, pl. 26, as *Helicops abacurus*. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 741, fig. 154: head, uncoloured.

First received between 29 April, 1859, and 29 April, 1860.

Genus **Petalognathus** Duméril, Mém. Ac. Sc.
Paris, 23, p. 466, 1853.

Species :

	Page
1. <i>nebulatus</i>	222

606. *Petalognathus nebulatus* (Linnaeus), Syst. Nat. 1,
p. 222, 1758.

Clouded Snake. Dorme-dorme (in Brazil).

Hab. Tropical America : from Mexico to Ecuador,
Trinidad, Tobago and Brazil.

Fig. Jan, Icon. gén. Ophid. 3, 37, 1870, pl. 5, fig. 3,
as *Leptognathus nebulatus* : uncoloured.

One presented 21 Sept. 1893, by Messrs. R. R. Mole
and F. W. Urich.

Genus **Tropidodipsas** Günther, Brit. Mus.
Cat. Colubr. Snakes, p. 180, 1858.

Species :

	Page
1. <i>fasciata</i>	222

607. *Tropidodipsas fasciata* Günther, Brit. Mus. Cat.
Colubr. Snakes, p. 181, 1858.

Yucatan Banded-Snake.

Hab. America : Mexico.

Fig.

One presented 28 June, 1901, by Mr. H. C. Marsh.

Genus **Atractus** Wagler, Isis, 21,
p. 741, 1828.

Species :

	Page
1. <i>trilineatus</i>	222

608. *Atractus trilineatus* Wagler, Isis, 21, p. 742, 1828.
Three-lined Snake.

Hab. South America : the Guianas and Trinidad.

Figs. Wagler, *l. c. s.* pl. 10, figs. 1-4 : uncoloured.
Jan, *Icon. gén. Ophid.* 1, 11, 1865, pl. 2, fig. 5, &
pl. 3, figs. 1 & 2, as *Rabdosoma lineatum*, *R. trivir-*
gatum and *R. punctatovittatum* : uncoloured.

One purchased 25 Jan. 1923.

Subfamily RHACHIODONTINAE.

Genus :

	Page
1. <i>Dasypeltis</i>	223

Genus **Dasypeltis** Wagler, *Syst. Amphib.*
p. 178, 1830.

Species :

	Page
1. <i>scaber</i>	223

609. *Dasypeltis scaber* (Linnaeus), *Syst. Nat.* 1, p. 223,
1758.

Dasypeltis scabra G. A. Boulenger, *Brit. Mus.*
Cat. Snakes, 2, p. 354, 1894.

Rough-keeled Snake. Egg-eating Snake.

Hab. Africa : widely distributed from the Cape
Province northwards to Sierra Leone on the west
and Abyssinia and Upper Egypt on the east.

Figs. Anderson, *Zool. Egypt, Rept.* 1898, pl. 39, &
pl. 34, fig. 3. E. G. Boulenger, *Rept. & Batr.* 1914,
p. 148, fig. *c* : photograph.

Two presented 15 Sept. 1891, by Messrs. H. M. and C.
Beddington.

Subfamily HOMALOPSINAE.

Genera :

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1. <i>Enhydris</i>	224
2. <i>Cerberus</i>	224
3. <i>Fordonia</i>	224
4. <i>Erpeton</i>	225

Genus **Enhydris** Latreille, Hist. Nat. Rept. 4,
p. 200, 1802.

• Species :

	Page
1. <i>enhydris</i>	224

610. *Enhydris enhydris* (Schneider), Hist. Amphib. 1,
p. 245, 1799.

Hypsirhina enhydris.

Schneider's Water-Snake.

Hab. South-east Asia: India, Ceylon, Burma, Siam,
Cochinchina, south China, Malay Peninsula and
Archipelago.

Fig. Wall, J. Bombay Nat. Hist. Soc. 21, 1912, pl. 18,
fig. 1: head and neck.

Two presented 20 Oct. 1896, by Mr. W. G. Bligh.

Genus **Cerberus** G. Cuvier, Règne Anim.
ed. 2, 2, p. 81, 1829.

Species :

	Page
1. <i>rynchops</i>	224

611. *Cerberus rynchops* (Schneider), Hist. Amphib. 1,
p. 246, 1799.

Cerberus rynchops G. A. Boulenger, Brit. Mus.
Cat. Snakes, 8, p. 16, 1896.

Hurria rynchops Stejneger, Herp. Jap., Bull. U.S.
Nat. Mus. 58, p. 304, 1907.

Cerberus Water-Snake.

Hab. South-east Asia: rivers and coasts from India
and Ceylon to Indo-China, the Philippines, Malay
Peninsula and Archipelago.

Fig. Wall, J. Bombay Nat. Hist. Soc. 26, 1918, pl. 26,
figs. 1-4: head, tail, etc.

Two deposited 14 June, 1901.

Genus **Fordonia** J. E. Gray, Zool. Misc.
p. 67, 1842.

Species :

	Page
1. <i>leucobalia</i>	225

612. *Fordonia leucobalia* (Schlegel), Phys. Serp. 2, p. 345, 1837.

Fordonia Water-Snake.

Hab. South Asia and Australasia : rivers and coasts of Bengal, Burma, Cochinchina, Malaya, New Guinea and northern Australia.

Figs. Schlegel, *l. c. s.* pl. 13, figs. 8 & 9 : head, uncoloured.

One purchased 29 Nov. 1880.

Genus **Erpeton** Lacépède, Bull. Soc. philom. Paris, 2, p. 169, 1800.

Species :

	Page
1. <i>tentaculatus</i>	225

613. *Erpeton tentaculatus* Lacépède, Bull. Soc. philom. Paris, 2, p. 169, 1800.

Herpeton tentaculatum G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, p. 25, 1896.

Tentacled Snake.

Hab. South-east Asia : Siam, Cochinchina and northern part of the Malay Peninsula.

Figs. P.Z.S. 1860, pl. Rept. 23. Jan, Icon. gén. Ophid. 1, 1, 1860, pl. 1.

One presented 26 May, 1920, by Dr. Malcolm A. Smith, F.Z.S.

Subfamily BOIGINAE.

Genera :

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1. <i>Ithycyphus</i>	226	13. <i>Malpolon</i>	236
2. <i>Eteirodipsas</i>	226	14. <i>Rhamphiophis</i>	237
3. <i>Tarbophis</i>	226	15. <i>Psammophis</i>	237
4. <i>Boiga</i>	227	16. <i>Macroprotodon</i>	239
5. <i>Dipsadoboa</i>	229	17. <i>Passerita</i>	240
6. <i>Imantodes</i>	229	18. <i>Thelotornis</i>	241
7. <i>Leptodeira</i>	230	19. <i>Dispholidus</i>	241
8. <i>Pseudoboa</i>	231	20. <i>Oxybelis</i>	242
9. <i>Thamnodynastes</i>	233	21. <i>Chrysopelea</i>	243
10. <i>Tachymenis</i>	233	22. <i>Erythrolamprus</i>	243
11. <i>Chlorosoma</i>	233	23. <i>Tantilla</i>	243
12. <i>Trimerorhinus</i>	235	24. <i>Calamelaps</i>	244

Genus **Ithycyphus** Günther, Ann. Mag. Nat.
Hist. (4) 11, p. 374, 1873.

Species :

	Page
1. <i>miniatus</i>	226

614. *Ithycyphus miniatus* (Schlegel), Phys. Serp. 2,
p. 148, 1837.

Cinnabar Snake.

Hab. Madagascar and Comoro Islands.

Figs. Schlegel, Abbild. Amphib. 1844, pl. 28, figs.
12-16, as *Cöluber miniatus* : head, etc.

One deposited 24 June, 1902.

Genus **Eteirodipsas** Jan, Elenco sist. Ofia.
p. 105, 1863.

Species :

	Page
1. <i>colubrina</i>	226

615. *Eteirodipsas colubrina* (Schlegel), Phys. Serp. 2,
p. 273, 1837.

Anirbuloc Snake.

Hab. Madagascar.

Fig. Jan, Icon. gén. Ophid. 3, 39, 1872, pl. 1, fig. 1 :
uncoloured.

Six deposited 26 Aug. 1901.

Genus **Tarbophis** F. L. Fleischmann, Dalm. nov.
Serp. Gen. p. 17, 1831.

Species :

	Page
1. <i>fallax</i>	227
2. <i>savignyi</i>	227
3. <i>obtusus</i>	227

616. *Tarbophis fallax* F. L. Fleischmann, Dalm. nov. Serp. Gen. p. 18, 1831. v. G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, p. 48, 1896.

Cat-Snake. Vivacious Snake.

Hab. South-east Europe and west Asia: from Istria, Dalmatia and Greece to Asia Minor, Cyprus and northern Syria.

Figs. G. A. Boulenger, Snakes Europe, 1913, pl. 11, lowest fig., & p. 217, fig. 32: heads, uncoloured. E. G. Boulenger, Rept. & Batr. 1914, p. 157: photograph.

One presented 6 July, 1878, by Lord Lilford, F.Z.S.

617. *Tarbophis savignyi* G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, p. 48, 1896.

Savigny's Snake.

Hab. South-west Asia: Syria and Palestine.

Fig. Anderson, Zool. Egypt, Rept. 1898, p. 282, fig. 11: head and neck, uncoloured.

One presented 10 July, 1924, by Prof. E. Hindle, F.Z.S.

618. *Tarbophis obtusus* (Reuss), Mus. Senckenb. 1, p. 137, 1834.

Large-eyed Snake. Fierce-eyed Snake. Blunt-nosed Snake.

Hab. Northern Africa: Mauritania, northern Nigeria, Nubia, Egypt and Somaliland.

Fig. Anderson, Zool. Egypt, Rept. 1898, pl. 34, fig. 4: head and neck, uncoloured.

One presented 25 Jan. 1888, by Capt. W. G. Burrows.

Genus **Boiga** Fitzinger, Neue Classif. Rept. pp. 29, 31, 1826.

Species:

	Page
1. <i>multimaculata</i>	228
2. <i>pulverulenta</i>	228
3. <i>dendrophila</i>	228
4. <i>blandingii</i>	228
5. <i>forstent</i>	229

619. *Boiga multimaculata* (Boie), Isis, 20, p. 549, 1827.
Dipsadomorphus multimaculatus.
 Well-spotted Snake. Blotched Snake.
Hab. South-east Asia: Burma to southern China, Hainan, Indo-China and Siam.
Fig. Jan, Icon. gén. Ophid. 3, 38, 1871, pl. 3, fig. 3, as *Dipsas multimaculata*: uncoloured.
 Two presented 20 Oct. 1896, by Mr. W. G. Bligh.
620. *Boiga pulverulenta* (Fischer), Abh. Nat. Ver. Hamb. 3, p. 81, 1856.
Dipsadomorphus pulverulentus G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, p. 68, 1896.
 Powdered Snake.
Hab. West Africa: from the Gambia to Angola, eastward to the Ituri.
Figs. Jan, Icon. gén. Ophid. 3, 38, 1871, pl. 4, fig. 1, as *Dipsas pulverulenta*: uncoloured. K. P. Schmidt, Bull. Amer. Mus. Nat. Hist. 49, 1923, pl. 10, figs. 1 & 2: photographs.
 One presented 2 Sept. 1926, by Capt. Sir Cecil Armitage, K.B.E., D.S.O., F.Z.S.
621. *Boiga dendrophila* (Boie), Isis, 20, p. 549, 1827
Dipsadomorphus dendrophilus.
 Black-and-gold Tree-Snake.
Hab. South-east Asia: Malay Peninsula and islands, eastward to the Philippines and Celebes.
Fig. Jan, Icon. gén. Ophid. 3, 38, 1871, pl. 4, fig. 2, as *Dipsas dendrophila*: head, uncoloured.
 One purchased 4 June, 1920.
622. *Boiga blandingii* (Hallowell), Proc. Ac. Nat. Sci. Philad. 2, p. 170, 1844.
Dipsadomorphus blandingii G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, p. 77, 1896.
 Blanding's Snake.

Hab. Tropical Africa : from the Senegal to the Congo, Uganda and East Africa.

Figs. Jan, Icon. gén. Ophid. 3, 38, 1871, pl. 6, fig. 2, as *Dipsas cynodon* : uncoloured. K. P. Schmidt, Bull. Amer. Mus. Nat. Hist. 49, 1923, pl. 10, fig. 3 : photograph.

One presented 2 Aug. 1913, by Mr. G. Aylmer, F.Z.S.

623. *Boiga forsteni* (Duméril & Bibron), Erp. gén p. 1077, 1854.

Dipsadomorphus forsteni.

Forsten's Tree-Snake.

Hab. India and Ceylon.

Fig.

One received in exchange 2 June, 1913.

Genus **Dipsadoboa** Günther, Brit. Mus. Cat. Colubr. Snakes, p. 182, 1858.

Species :

	Page
1. <i>unicolor</i>	229

624. *Dipsadoboa unicolor* Günther, Brit. Mus. Cat. Colubr. Snakes, p. 183, 1858.

Günther's Green Snake. Green Night-Snake.

Hab. West Africa : Sierra Leone to the Congo, eastward to the Ituri.

Figs. Jan, Icon. gén. Ophid. 3, 38, 1871, pl. 2, fig. 3 as *Heterurus bicolor* : uncoloured. K. P. Schmidt, Bull. Amer. Mus. Nat. Hist. 49, 1923, pl. 11, fig. 1 : photograph.

Three presented 2 Aug. 1913, by Mr. G. Aylmer, F.Z.S.

Genus **Imantodes** Duméril, Mém. Ac. Sc. Paris, 23, p. 507, 1853,

Species :

	Page
1. <i>cenchoa</i>	230

625. *Imantodes cenchoa* (Linnaeus), Syst. Nat. 1, p. 226, 1758.

Himantodes cenchoa G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, p. 84, 1896.

Cenchoa Snake.

Hab. Tropical America: from Mexico, through Central America, to Brazil and Bolivia.

Figs. Schlegel, Phys. Serp. 2, 1837, pl. 11, figs. 19 & 20, as *Dipsas weigeli* Fitzinger 1826: head, uncoloured.

One presented 10 April, 1893, by Messrs. R. R. Mole and F. W. Urich.

Genus **Leptodeira** Fitzinger, Syst. Rept. p. 27, 1843.

Species:

	Page
1. <i>hotamboeia</i>	230
2. <i>albofusca</i>	230
3. <i>annulata</i>	231

626. *Leptodeira hotamboeia* (Laurenti), Syn. Rept. p. 85, 1768.

Leptodira hotamboeia G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, p. 89, 1896.

Alternative name *Crotaphopeltis hotamboeia*.

Rufescent Snake.

Hab. South and Tropical Africa: from the Cape Province northwards to Senegambia and Nubia.

Figs. Jan, Icon. gén. Ophid. 3, 39, 1872, pl. 2, fig. 1, as *Crotaphopeltis rufescens* (Gmelin) 1789: uncoloured. K. P. Schmidt, Bull. Amer. Mus. Nat. Hist. 49, 1923, pl. 12, fig. 1: photograph.

One presented 28 May, 1861, by Sir George Grey, K.C.B.

627. *Leptodeira albofusca* (Lacépède), Hist. Nat. Quadr. Ovip. Serp. 2, tabl. méth. p. 94, 1789.

Leptodira albofusca G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, p. 95, 1896.

White-and-brown Snake.

Hab. Tropical America : from Mexico to Paraguay.
Fig. Günther, Biol. C.-Amer. Rept. 1895, pl. 55,
 fig. A, as *Leptodira polysticta*.
 One presented 25 April, 1923, by Mr. J. Taylor.

628. *Leptodeira annulata* (Linnaeus), Syst. Nat. 1,
 p. 224, 1758.

Leptodira annulata G. A. Boulenger, Brit. Mus.
 Cat. Snakes, 3, p. 97, 1896.

American Ringed-Snake. Cacaual (in Brazil).

Hab. Tropical America : from Panama southwards to
 Bolivia.

Fig.

One purchased 29 Jan. 1871.

Genus **Pseudoboa** Schneider, Hist. Amphib.
 2, p. 281, 1801.

Species :

	Page
1. <i>trigemina</i>	231
2. <i>doliata</i>	231
3. <i>fitzingeri</i>	232
4. <i>clelia</i>	232
5. <i>coronata</i>	232

629. *Pseudoboa trigemina* (Duméril & Bibron), Erp. gén.
 7, p. 1013, 1854.

Oxyrhopus trigeminus G. A. Boulenger, Brit. Mus.
 Cat. Snakes, 3, p. 104, 1896.

Triply-barred Coral-Snake.

Hab. South America : the Guianas and Brazil.

Fig. Jan, Icon. gén. Ophid. 3, 36, 1870, pl. 1, fig. 4,
 as *Oxyrhopus tergeminus*: uncoloured.

First received in 1859 or 1860.

630. *Pseudoboa doliata* (Duméril & Bibron), Erp. gén.
 7, p. 1020, 1854.

Oxyrhopus doliatus.

Circle-barred Coral-Snake

Hab. South America: Brazil.

Fig.

One presented 16 Feb. 1876, by Mr. J. L. Moore.

631. *Pseudoboa fitzingeri* (Tschudi), Faun. Per. Herp. p. 56, 1846.

Oxyrhopus fitzingeri.

Fitzinger's Cribo-Snake.

Hab. South America: Peru.

Figs. Tschudi, *l. c. s.* pl. 8, as *Siphlophis fitzingeri.*

Jan, Icon. gén. Ophid. 3, 35, 1870, pl. 5, fig. 1, as

Oxyrhopus fitzingeri: uncoloured.

One presented 15 June, 1867, by Prof. Nation, C.M.Z.S.

632. *Pseudoboa cloelia* (Daudin), Hist. Nat. Rept. 6, p. 330, 1803.

Oxyrhopus cloelia G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, p. 108, 1896.

Mussurana. Cloelia Snake. Plumbeous Snake. Black Cribo. Cobra Coral (in Brazil).

Hab. Tropical America: from Mexico, through Central America, to Colombia, Ecuador and Peru, and to Venezuela, the Guianas and the Lesser Antilles, and southwards to southern Brazil.

Fig. Daudin, *l. c. s.* pl. 78, as "La Couleuvre clélie."

One purchased 24 Oct. 1878.

Synonym. *Clelia cloelia.*

633. *Pseudoboa coronata* Schneider, Hist. Amphib. 2, p. 286, 1801.

Oxyrhopus coronatus G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, p. 111, 1896.

Crowned Snake.

Hab. South America: the Guianas and Brazil.

Figs. Schlegel, Phys. Serp. 2, 1837, pl. 4, figs. 12 & 13,

as *Lycodon cloelia*: head, uncoloured.

First received between 29 April, 1861, and 10 Feb. 1862, under the name of *Scytale coronatum.*

Genus **Thamnodynastes** Wagler, Syst.
Amphib. p. 182, 1830.

Species :

	Page
1. <i>pallidus</i>	233

634. *Thamnodynastes pallidus* (Linnaeus), Syst. Nat. 1,
p. 221, 1758.

Thamnodynastes nattereri (Mikan) 1820. G. A.
Boulenger, Brit. Mus. Cat. Snakes, 3, p. 116,
1896.

Natterer's Snake.

Hab. South America : the Guianas, Brazil, Paraguay
and Uruguay.

Fig. Wagler, in Spix, Serp. Bras. 1824, pl. 14, fig. 1,
as *Natrix punctatissima*.

Two purchased 3 May, 1887.

Genus **Tachymenis** Wiegmann, Nova Acta
Ac. Caes. Leop.-Carol. 17, 1,
p. 251, 1835.

Species :

	Page
1. <i>peruviana</i>	233

635. *Tachymenis peruviana* Wiegmann, Nova Acta Ac.
Caes. Leop.-Carol. 17, 1, p. 252, 1835.

Peruvian Snake.

Hab. South America : Peru, Chile and Bolivia.

Fig. Wiegmann, *l. c. s.* pl. 20, fig. 1.

Seven deposited 14 July, 1896.

Genus **Chlorosoma** Wagler, Syst. Amphib.
p. 185, 1830.

Species :

	Page
1. <i>viridissimus</i>	234
2. <i>olfersii</i>	234
3. <i>schottii</i>	234
4. <i>elegans</i>	235
5. <i>serra</i>	235

636. *Chlorosoma viridissimus* (Linnaeus), Syst. Nat. 1, p. 226, 1758.

Philodryas viridissimus G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, p. 129, 1896.

All-green Tree-Snake. Tucana-boia.

Hab. South America: the Guianas, Brazil and eastern Peru.

Figs. Schlegel, Phys. Serp. 2, 1837, pl. 7, figs. 10 & 11, as *Herpetodryas viridissimus*, figs. 14 & 15, as *H. olfersii*: heads, uncoloured. Günther, Ann. Mag. Nat. Hist. (3) 9, 1862, pl. 9, fig. 8: underside of head, uncoloured.

Two purchased in June 1859.

637. *Chlorosoma olfersii* (Lichtenstein), Verz. Doubl. Mus. Berlin, p. 104, 1823.

Philodryas olfersii G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, p. 129, 1896.

Reinhardt's Tree-Snake.

Hab. South America: Brazil, eastern Peru, Paraguay, Uruguay and Argentina.

Fig. Ann. Mag. Nat. Hist. (3) 9, 1862, pl. 9, fig. 7, as *P. reinhardti*: underside of head, uncoloured.

One deposited late in 1861, by Dr. Wucherer, C.M.Z.S., appears to have been the type of *Philodryas reinhardti* Günther, Ann. Mag. Nat. Hist. (3) 9, p. 127, 1862.

638. *Chlorosoma schottii* (Schlegel), Phys. Serp. 2, p. 91, 1837.

Philodryas schotti G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, p. 130, 1896.

Schott's Snake.

Hab. South America: from northern Patagonia to Brazil.

Figs. Schlegel, *l. c. s.* pl. 3, figs. 8 & 9, as *Xenodon schotti*: head, uncoloured.

One received in exchange 18 Jan. 1912.

639. *Chlorosoma elegans* (Tschudi), Faun. Per. Herp. p. 53, 1845.

Philodryas elegans G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, p. 133, 1896.

Elegant small-spotted Tree-Snake.

Hab. South America : Ecuador, Peru, Chile.

Fig. Tschudi, *l. c. s.* pl. 6, as *Lygophis elegans*.

Five presented 21 June, 1927, by Dr. B. Barnett, C.M.Z.S.

640. *Chlorosoma serra* (Schlegel), Phys. Serp. 2, p. 180, 1837.

Philodryas serra G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, p. 134, 1896.

Saw-marked Snake.

Hab. South America : Brazil.

Figs. Schlegel, *l. c. s.* pl. 7, figs. 1 & 2, as *Herpetodryas serra* : head, uncoloured.

One presented 17 March, 1880, by Dr. A. Stradling, C.M.Z.S.

Genus **Trimerorhinus** A. Smith, Illustr. Zool. S. Afr. Rept., text to pl. 56, 1847.

Species :

	Page
1. <i>rhombeatus</i>	235

641. *Trimerorhinus rhombeatus* (Linnaeus), Syst. Nat. 1, p. 220, 1758.

Trimerorhinus rhombeatus and *T. tritaeniatus* G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, pp. 138, 139, 1896 ; & Proc. Zool. Soc. London, 1915, p. 212.

Rhomb-marked Snake. Spotted Three-lined Snake.

Hab. South and East Africa : from the Cape Province to Abyssinia.

Figs. A. Smith, *Illustr. Zool. S. Afr. Rept.* 1847, pl. 56. Günther, *Ann. Mag. Nat. Hist.* (4) 1, 1868, pl. 19, fig. H, as *Rhagerhis tritaeniata*: head, uncoloured.

One presented 7 June, 1876, by the Rev. G. H. R. Fisk. One presented 19 Jan 1917, by Mr. R. Holmes, was referred to *Trimerorhinus tritaeniatus* (Günther) 1868.

Genus **Malpolon** Fitzinger, *Isis*, 19,
p. 892, 1826.

Species :

	Page
1. <i>monspessulana</i>	236
2. <i>moilensis</i>	236

642. *Malpolon monspessulana* (Hermann), *Obs. Zool.* 1,
p. 283, 1804.

Coelopeltis monspessulana G. A. Boulenger, *Brit. Mus. Cat. Snakes*, 3, p. 141, 1896.

Montpellier Snake.

Hab. South Europe, north Africa and west Asia : from Mauritania and Portugal, along the Mediterranean coastlands and islands, eastward to the Caucasus and Persia.

Figs. Anderson, *Zool. Egypt, Rept.* 1898, pl. 37, fig. 4 : head, uncoloured. G. A. Boulenger, *Snakes Europe*, 1913, pl. 11, upper fig., & p. 209, fig. 30 : heads, uncoloured.

One purchased 8 Feb. 1870.

643. *Malpolon moilensis* (Reuss), *Mus. Senckenb.* 1,
p. 142, 1834.

Coelopeltis moilensis G. A. Boulenger, *Brit. Mus. Cat. Snakes*, 3, p. 143, 1896.

Moila Snake.

Hab. North Africa and west Asia : Algeria, Tunisia, Egypt and Nubia to Arabia and Persia.

Fig. Anderson, *Zool. Egypt, Rept.* 1898, pl. 40.

Two presented 6 June, 1895, by Dr. J. Anderson, F.R.S., F.Z.S.

Genus **Rhamphiophis** Peters, Ber. Bekannt.
Verhandl. König. Preuss. Ak. Wiss.
Berlin, 1854, p. 624.

Species :

	Page
1. <i>oxyrhynchus</i>	237
2. <i>multimaculatus</i>	237

644. *Rhamphiophis oxyrhynchus* (Reinhardt), Kong.
Danske Vidensk. Selsk. Afhand. **10**, p. 244, 1843.
African Sharp-snouted Snake.

Hab. Tropical Africa : from the Gold Coast to Kenya
Colony and Nyassaland.

Figs. Peters, Reise Mossamb. Rept. **3**, 1882, pl. 19,
fig. 1, as *R. rostratus* Peters 1854. Günther,
Ann. Mag. Nat. Hist. (4), **1**, 1868, pl. 19, fig. G,
as *Rhagerrhis unguiculata* : head, uncoloured.

One presented 17 Sept. 1892, by Mr. D. Wilson.

645. *Rhamphiophis multimaculatus* (A. Smith), Illustr.
Zool. S. Afr. Rept., text to pl. 61, 1847.

Many-spotted Snake.

Hab. South Africa : Damaraland and Namaqualand.

Figs. A. Smith, *l. c. s.*, as *Coronella multimaculata*.
Jan, Icon. gén. Ophid. **2**, 19, 1866, pl. 2, fig. 1, as
Dipsina multimaculata : uncoloured.

One presented 19 April, 1880, by Mr. E. Pillans.

Genus **Psammophis** Boie, Isis, **20**,
p. 521, 1827.

Species :

	Page		Page
1. <i>leithii</i>	237	5. <i>condanarus</i>	238
2. <i>schokari</i>	238	6. <i>regularis</i>	239
3. <i>subtaeniatus</i>	238	7. <i>elegans</i>	239
4. <i>sibilans</i>	238	8. <i>crucifer</i>	239

646. *Psammophis leithii* Günther, Proc. Zool. Soc. London,
1869, p. 505.

Leith's Snake.

Hab. India and Baluchistan.

Fig. P. Z. S. 1869, pl. 39: uncoloured.

Two purchased 15 Oct. 1912.

647. *Psammophis schokari* (Forskål), Descr. Anim. p. 14, 1775.

Schokari Sand-Snake.

Hab. North Africa and west Asia: from Mauritania to Egypt and Somaliland, Syria and Arabia to Afghanistan and Sind.

Figs. Anderson, Zool. Egypt, Rept. 1898, pls. 41 & 42.

One purchased 25 June, 1896.

648. *Psammophis subtaeniatus* Peters, Reise Mossamb. Rept. 3, p. 121, 1882.

Peters's Long-line Snake.

Hab. East Africa: from Uganda to Nyassaland and Portugese East Africa.

Fig.

One received 5 Aug. 1927, collected by Mr. H. B. Cott, F.Z.S.

649. *Psammophis sibilans* (Linnaeus), Syst. Nat. 1, p. 222, 1758.

African Beauty Snake.

Hab. Africa: from Senegambia and Egypt, southwards to Angola and Nyassaland.

Fig. Anderson, Zool. Egypt, Rept. 1898, pl. 43.

One, from South Africa, presented 25 May, 1861, by Sir George Grey, K.C.B.

650. *Psammophis condanarus* (Merrem), Tent. Syst. Amphib. p. 107, 1820.

Ganjam Snake. Condanar Snake.

Hab. South-east Asia: India and Burma.

Figs. G. A. Boulenger, Faun. Brit. Ind. Rept. 1890, p. 365, fig. 107: head, uncoloured. Wall, J. Bombay Nat. Hist. Soc. 20, 1910-1911, pl. 14, figs. 7-9: head, etc.

One presented 20 Oct. 1896, by Mr. W. G. Bligh.

651. *Psammophis regularis* Sternfeld, Mitt. Zool. Mus. Berlin, 3, p. 412, 1908. v. G. A. Boulenger, Proc. Zool. Soc. London, 1919, p. 290.

Sternfeld's Snake.

Hab. West Africa : Sierra Leone to the Cameroons.

Fig.

One presented 28 July, 1912, by Mr. G. Aylmer, F.Z.S.

652. *Psammophis elegans* (Shaw), Gen. Zool. 3, p. 536, 1802.

West African Slender Snake. Elegant Snake.

Hab. West Africa : Mauritania and Senegambia to Nigeria.

Figs. Schlegel, Abbild. Amphib. 1844, pl. 43, figs. 15 & 16 : head.

Three presented 4 July, 1872, by Mr. C. B. Mosse, C.M.Z.S.

653. *Psammophis crucifer* (Daudin), Hist. Nat. Rept. 7, p. 189, 1803.

Crossed Snake.

Hab. South Africa : Cape Province to Namaqualand and southern Rhodesia.

Fig. Jan, Icon. gén. Ophid. 2, 34, 1870, pl. 4, fig. 3 : uncoloured.

One presented 26 Aug. 1878, by the Rev. G. H. R. Fisk, C.M.Z.S.

Genus **Macroprotodon** Guichenot, Explor. Sc. Alg. Rept. p. 22, 1850.

Species :

	Page
1. <i>cucullatus</i>	239

654. *Macroprotodon cucullatus* (L. Geoffroy), Descr. Égypte, Rept. pp. 148 & 151, 1827. v. G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, p. 175, 1896.
Hooded Snake. "False Smooth Snake."

Hab. North Africa : from Mauritania to Egypt. It also occurs in Spain, Portugal, Majorca, Minorca and Lampedusa, and in Palestine.

Figs. Anderson, Zool. Egypt, Rept. 1898, pl. 34, fig. 5 : head and neck, uncoloured. G. A. Boulenger, Snakes Europe, 1913, pl. 11, top fig. but one, & p. 213, fig. 31 : heads, uncoloured.

One purchased 15 June, 1870.

Genus **Passerita** J. E. Gray, Ann. Philos.
London (2), 10, p. 208, 1825.

Species :

	Page
1. <i>dispar</i>	240
2. <i>prasina</i>	240
3. <i>nasutus</i>	241

655. *Passerita dispar* (Günther), Rept. Brit. Ind. p. 303, 1864.

Dryophis dispar.

South-Indian Tree-Snake.

Hab. India : hills of southern India.

Fig. Günther, *l. c. s.* pl. 23, fig. A, as *Tragops dispar* : uncoloured.

One presented 26 March, 1921, by Mr. A. P. A. H. Kinloch.

656. *Passerita prasina* (Boie), Isis, 20, p. 545, 1827.

Dryophis prasinus.

Grass-green Tree-Snake. Emerald Tree-Snake.

Hab. South-east Asia : eastern Himalayas, Assam, Burma, Indo-China, Malay Peninsula and islands.

Fig. Jan, Icon. gén. Ophid. 2, 33, 1869, pl. 5, fig. 1 : uncoloured.

One presented 15 Aug. 1885, by Dr. F. H. Bauer, C.M.Z.S.

Eight recorded as born in the Menagerie 9 Jan. 1886.

657. *Passerita nasutus* (Lacépède), Hist. Nat. Quadr. Ovip. Serp. 2, tabl. méth. p. 100, 1789. Andersson, Bihang K. Svenska Vet.-Akad. Handl. 24, no. 6, pp. 14, 15, 1899.

Dryophilis mycterizans G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, p. 182, 1896.

Long-nosed Tree-Snake.

Hab. South-east Asia: India, Ceylon, Burma and Siam.

Figs. G. A. Boulenger, Faun. Brit. Ind. Rept. 1890, p. 370, fig. 108: uncoloured. E. G. Boulenger, Rept. & Batr. 1914, p. 160, lower fig.: photograph.

One presented 6 Aug. 1868, by Mr. O. Howell.

Genus **Thelotornis** A. Smith, Illustr. Zool. S. Afr. Rept. App. p. 19, 1849.

Species:

	Page
1. <i>kirtlandii</i>	241

658. *Thelotornis kirtlandii* (Hallowell), Proc. Ac. Nat. Sci. Philad. 1844, p. 62.

Kirtland's Tree-Snake.

Hab. Tropical Africa: from Sierra Leone and Uganda to southern Rhodesia.

Figs. Peters, Reise Mossamb. Rept. 3, 1882, pl. 19, fig. 2: head. E. G. Boulenger, Rept. & Batr. 1914, p. 160, upper fig.: photograph. K. P. Schmidt, Bull. Amer. Mus. Nat. Hist. 49, 1923, pl. 14: photographs.

One presented 21 Aug. 1910, by Dr. H. G. F. Spurrell.

Genus **Dispholidus** Duvernoy, Ann. Sc. Nat. Paris, 26, p. 150, 1832.

Species:

	Page
1. <i>typus</i>	242

659. *Dispholidus typus* (A. Smith), Zool. Journ. London, 4, p. 441, 1829.

Cape Tree-Snake. Boomslang (in South Africa).

Hab. South and Tropical Africa: from the Cape Province northwards to Guinea, the Sudan and Abyssinia.

Figs. A. Smith, Illustr. Zool. S. Afr. Rept. 1841, pl. 3, as *Bucephalus viridis* A. Smith 1841, & pls. 10-13, as *Bucephalus capensis* A. Smith 1841. K. P. Schmidt, Bull. Amer. Mus. Nat. Hist. 49, 1923, pl. 15: photographs.

One presented 25 May, 1861, by Sir George Grey, K.C.B.

Genus *Oxybelis* Wagler, Syst. Amphib.
p. 183, 1830.

Species:

	Page
1. <i>argenteus</i>	242
2. <i>acuminatus</i>	242

660. *Oxybelis argenteus* (Daudin), Hist. Nat. Rept. 6, p. 336, 1803.

Silvery Tree-Snake.

Hab. South America: the Guianas, Brazil and eastern Peru.

Fig. Jan, Icon. gén. Ophid. 2, 33, 1869, pl. 3, fig. 1: uncoloured.

One purchased 22 Jan. 1924.

661. *Oxybelis acuminatus* (Wied), Abbild. Nat. Bras., text to Rept. pl. 31, 1822.

Pike-head Snake. Pointed-nosed Tree-Snake.

Hab. Tropical America: from Mexico, through Central America, Colombia, Ecuador and Venezuela, to Brazil.

Figs. Wied, *l. c. s.* pl. 31. Jan, Icon. gén. Ophid. 2, 33, 1869, pl. 4, fig. 2, as *Oxybelis aeneus* (Wagler) 1824: uncoloured.

One presented 13 Sept. 1880, by Dr. A. Stradling.

Genus **Chrysopelea** Boie, Isis, 20,
p. 520, 1827.

Species :

	Page
1. <i>ornata</i>	243

662. *Chrysopelea ornata* (Shaw), Gen. Zool. p. 477, 1802.

Ornate Tree-Snake. Golden Tree-Snake.

Hab. East Indies : India and Ceylon to Siam and southern China, south to Java and east to Celebes and the Philippine Islands.

Figs. Wall, J. Bombay Nat. Hist. Soc. 18, 1908, pl. 6 : heads, etc. G. A. Boulenger, Faun. Malay Pen. Rept. 1912, p. 177, fig. 54 : head, uncoloured.

One presented 1 July, 1861, by Mr. A. W. W. Baudernaïke.

Genus **Erythrolamprus** Wagler, Syst.
Amphib. p. 187, 1830.

Species :

	Page
1. <i>aesculapii</i>	243

663. *Erythrolamprus aesculapii* (Linnaeus), Syst. Nat. 1,
p. 220, 1758.

Red-and-black Coral-Snake. "Cobra Coral" (in Brazil).

Hab. Tropical America : from Brazil, the Guianas and Peru to Central America.

Figs. Jan, Icon. gén. Ophid. 2, 19, 1866, pl. 2, figs. 2 & 3 : uncoloured.

One presented 2 May, 1871, by Dr. Chyne.

Genus **Tantilla** Baird & Girard, Cat. N. Amer.
Rept. pt. 1, p. 131, 1853.

Species :

	Page
1. <i>melanocephala</i>	244

664. *Tantilla melanocephala* (Linnaeus), Syst. Nat. 1, p. 218, 1758.

Homalocranium melanocephalum G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, p. 215, 1896.

Black-headed Ground-Snake.

Hab. America: Central America, tropical South America and some of the West Indian islands.

Figs. Günther, Ann. Mag. Nat. Hist. (3) 9, 1862, pl. 9, fig. 1, as *Elapomorphus mexicanus*: head, uncoloured. Jan, Icon. gén. Ophid. 1, 15, 1866, pl. 2, fig. 5: uncoloured.

One purchased 24 Oct. 1878.

Genus **Calamelaps** Günther, Ann. Mag. Nat. Hist. (3) 18, p. 26, 1866.

Species:

	Page
1. <i>unicolor</i>	244

665. *Calamelaps unicolor* (Reinhardt), Kong. Danske Vidensk. Selsk. Afhandl. 10, p. 236, 1843.
v. Barbour & Loveridge, Mem. Mus. Comp. Zool. Cambridge, Mass. 50, 2, p. 130, 1928.

Reinhardt's Earth-Snake.

Hab. Tropical Africa: Sierra Leone, Nigeria and British East Africa, south to Angola, Nyasaland, and Portuguese East Africa.

Figs. Bocage, Herp. Angola, 1895, pl. 9, figs. 2 a-2 d, as *C. polylepis* Bocage 1873: head, tail, etc., uncoloured.

One purchased 5 Aug. 1927, was first referred to *Calamelaps warreni*, and later to *C. polylepis*.

Family HYDROPHIIDAE.

Genus:

	Page
1. <i>Enhydrina</i>	244

Genus **Enhydrina** J. E. Gray, Brit. Mus. Cat. Snakes, p. 47, 1849.

Species:

	Page
1. <i>schistosa</i>	245

666. *Enhydrina schistosa* (Daudin), Hist. Nat. Rept. 7, p. 386, 1803. v. M. A. Smith, Brit. Mus. Mon. Sea-Snakes, p. 36, 1926.

Enhydrina valakadien G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, p. 302, 1896.

Boie's Seasnake. Jew-nosed Seasnake.

Hab. Indian Ocean and Malayan seas: from the Persian Gulf to the coast of Cochinchina and the north coast of Australia.

Figs. Fayrer, Thanatophid. Ind. ed. 2, 1874, as *Enhydrina bengalensis*. G. A. Boulenger, Faun. Brit. Ind. Rept. 1890, p. 406, fig. 119: uncoloured. Wall, Snakes Ceylon, 1921, p. 407, fig. 76: head, uncoloured.

Two presented 7 Aug. 1925, by Mr. A. A. L. Flynn, C.M.Z.S.

Family ELAPIDAE.

Genera :

	Page		Page
1. <i>Pseudelaps</i>	245	9. <i>Bungarus</i>	250
2. <i>Demansia</i>	246	10. <i>Naja</i>	251
3. <i>Pseudechis</i>	247	11. <i>Sepedon</i>	253
4. <i>Denisonia</i>	248	12. <i>Furina</i>	253
5. <i>Notechis</i>	248	13. <i>Homoroselaps</i>	254
6. <i>Brachyaspis</i>	249	14. <i>Micrurus</i>	254
7. <i>Acanthophis</i>	249	15. <i>Dendraspis</i>	256
8. <i>Elapsoidea</i>	250		

Genus **Pseudelaps** "Fitzinger," Duméril, Mém. Ac. Sci. Paris, 23, p. 517, 1853.

Species :

	Page
1. <i>diadema</i>	245

667. *Pseudelaps diadema* (Schlegel), Phys. Serp. 2, p. 32, 1837.

Diademèd Adder. Red-naped Snake.

Hab. Australia: widely distributed.

Figs. P. Z. S. 1869, p. 320, fig. 4, as *Cacophis blackmanii* Krefft 1869: head, uncoloured. Krefft, Snakes Austral. 1869, pl. 12, fig. 12, as *Brachysoma diadema*: head.

Two received in exchange 9 June, 1908.

Genus **Demansia** J. E. Gray, Zool. Miscell. London, p. 54, 1842.

Species:

	Page
1. <i>psammophis</i>	246
2. <i>textilis</i>	246
3. <i>nuchalis</i>	247

668. *Demansia psammophis* (Schlegel), Phys. Serp. 2, p. 455, 1837.

Diemenia psammophis G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, p. 322, 1896.

Schlegel's Death-Adder. Grey Whip-Snake (in Australia).

Hab. Australasia: northern, eastern, and western districts of Australia and south-eastern New Guinea.

Figs. Schlegel, Abbild. Amphib. 1844, pl. 46, fig. 14, as *Elaps psammophis*: head. Krefft, Snakes Austral. 1869, pl. 12, fig. 10, as *Diemenia reticulata* J. E. Gray 1842: head, uncoloured.

Four received 11 June 1885, in exchange from the Zool. Soc. of New South Wales.

669. *Demansia textilis* (Duméril & Bibron), Erp. gén. 7, p. 1242, 1854.

Diemenia textilis G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, p. 325, 1896.

Bibron's Death-Adder. Brown Death-Adder. Grey-bellied Snake. Common Brown Snake (in Australia).

Hab. Australia: eastern districts from Cape York to Victoria.

Figs. P. Z. S. 1863, p. 17, fig. *b*: head, uncoloured, as *Diemennia superciliosa* Günther 1863. Krefft, Snakes Austral. 1869, pl. 7 & pl. 11, fig. 10, as *Diemennia superciliosa*. A. H. S. Lucas & W. H. D. Le Souëf, Anim. Australia. 1909, p. 175: photograph.

Three deposited 24 July, 1896.

670. *Demansia nuchalis* (Günther), Brit. Mus. Cat. Colubr. Snakes, p. 227, 1858.

Diemennia nuchalis G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, p. 326, 1896.

Günther's Death-Adder. Australian Banded-Snake.

Hab. Australia: western and north-western districts.

Figs. P. Z. S. 1863, p. 17, fig. *a*: head, uncoloured. Krefft, Snakes Austral. 1869, pl. 12, fig. 13: head.

One purchased 10 June, 1892.

Genus *Pseudechis* Wagler, Syst. Amphib.
p. 171, 1830.

Species:

	Page
1. <i>porphyriacus</i>	247

671. *Pseudechis porphyriacus* (Shaw), Zool. New Holl. p. 27, 1794. G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, p. 328, 1896.

Purplish Death-Adder. Black Snake (in Australia).

Hab. Australia: widely distributed.

Figs. Lesson, in Duperry, Voy. Coquille, Zool. 2, 1826-1830, pl. 6, as *Acanthophis tortor*. Krefft, Snakes Austral. 1869, pl. 8. A. H. S. Lucas & W. H. D. Le Souëf, Anim. Australia, 1909, p. 176: photograph.

Three presented in May 1860 by Mr. E. Wilson.

Genus **Denisonia** Krefft, Proc. Zool. Soc.
London, 1869, p. 321.

Species :

	Page
1. <i>superba</i>	248
2. <i>nigrescens</i>	248

672. *Denisonia superba* (Günther), Brit. Mus. Cat.
Colubr. Snakes, p. 217, 1858.

Superb Death-Adder. Copper-head (in Australia).
Diamond-Snake (in Tasmania).

Hab. Australia : New South Wales, Victoria and
Tasmania.

Figs. Krefft, Snakes Austral. 1869, pl. 11, fig. 9,
as *Hoplocephalus superbus* : head. Jan, Icon. gén.
Ophid. 3, 44, 1873, pl. 1, fig. 4, as *Alecto schmidtii* :
uncoloured. A. H. S. Lucas & W. H. D. Le
Souëf, Anim. Australia, 1909, pp. 177 & 179 :
photographs.

Three presented in May, 1860, by Mr. E. Wilson.

673. *Denisonia nigrescens* (Günther), Ann. Mag. Nat.
Hist. (3) 9, p. 131, 1862.

Black Death-Adder.

Hab. Australia : New South Wales and Queensland.

Figs. Günther, *l. c. s.* pl. 9, fig. 12, as *Hoplocephalus*
nigrescens : head, uncoloured. Krefft, Snakes
Austral. 1869, pl. 6, fig. 4 : head.

One purchased 25 Sept. 1883.

Genus **Notechis** G. A. Boulenger, Brit. Mus.
Cat. Snakes, 3, p. 351, 1896.

Species :

	Page
1. <i>scutatus</i>	248

674. *Notechis scutatus* (Peters), Mon. Berlin Ak. 1861,
p. 690.

Australian Tiger - Snake. Shielded Death - Adder.
Carpet-Snake (in Tasmania).

Hab. Australia, widely distributed, and Tasmania.

Figs. Krefft, Snakes Austral. 1869, pl. 9 as *Hoplocephalus curtus*. A. H. S. Lucas & W. H. D. Le Souëf, Anim. Australia, 1909, pp. 180-182: photographs.

Six deposited 24 July, 1896.

Genus **Brachyaspis** G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, p. 353, 1896.

Species:

	Page
1. <i>curta</i>	249

675. *Brachyaspis curta* (Schlegel), Phys. Serp. 2, p. 486, 1837.

Short Death-Adder.

Hab. Australia: western and southern districts.

Figs. Schlegel, Abbild. Amphib. 1844, pl. 48, figs. 19 & 20, as *Naja curta*: head. Krefft, Snakes Austral. 1869, pl. 6, fig. 5, as *Hoplocephalus temporalis* Günther 1862: head.

One received 11 June, 1885, in exchange from the Zool. Soc. of New South Wales.

Genus **Acanthophis** Daudin, Hist. Nat. Rept. 5, p. 287, 1803.

Species:

	Page
1. <i>antarcticus</i>	249

676. *Acanthophis antarcticus* (Shaw), Nat. Miscell. 13, index to text of pl. 535, 1802.

Shaw's Death-Adder.

Hab. Australia, New Guinea and the Moluccas: from New South Wales to Ceram.

Figs. Schlegel, Phys. Serp. 2, 1837, pl. 21, figs. 21-23, as *Vipera acanthophis*: head, uncoloured. Krefft, Snakes Austral. 1869, pls. 10 & 11, fig. 7.

One deposited 31 Dec. 1896.

Genus **Elapsoidea** Barboza du Bocage, Journ.
Sci. Lisboa, 1, p. 70, 1866.

Species :

	Page
1. <i>güntherii</i>	250

677. *Elapsoidea güntherii* Barboza du Bocage, Journ.
Sci. Lisboa, 1, p. 70, 1866; & Herp. Angola, p. 129,
1895.

Elapechis guentheri G. A. Boulenger, Brit. Mus.
Cat. Snakes, 3, p. 359, 1896.

Günther's Short-tail Adder.

Hab. Tropical Africa : from the Gold Coast, northern
Nigeria and Uganda to Angola and Nyassaland.

Fig. Bocage, Herp. Angola, 1895, pl. 14, fig. 3:
uncoloured.

One presented 18 Aug. 1915, by Capt. C. H. Armitage,
C.M.G., D.S.O., F.Z.S., was referred to *Elapechis*
moebiusi Werner 1897, a synonym of *E. güntherii*,
v. G. A. Boulenger, P. Z. S. 1920, p. 294.

Genus **Bungarus** Daudin, Bull. Soc. philom.
Paris, 3, 72, p. 187, 1803; & Hist. Nat.
Rept. 5, p. 263, 1803.

Species :

	Page
1. <i>fasciatus</i>	250
2. <i>candidus</i>	251

678. *Bungarus fasciatus* (Schneider), Hist. Amphib. 2,
p. 283, 1801.

Banded Krait.

Hab. South-east Asia : India to southern China and
Indo-China, south through the Malay Peninsula to
Sumatra and Java.

Figs. Fayrer, Thanatophid. Ind. ed. 2, 1874, pl. 9.
Wall, J. Bombay Nat. Hist. Soc. 20, 1911,
pl. 15, figs. 4-6 : head and neck.

One presented 20 Oct. 1896, by Mr. W. G. Bligh.

679. *Bungarus candidus* (Linnaeus), Syst. Nat. 1, p. 223, 1758.

Blue Krait.

Hab. South-east Asia : India to southern China and Indo-China, south to the Malay Peninsula, Java and Celebes.

Fig. Fayrer, Thanatophid. Ind. ed. 2, 1874, pl. 10, as *Bungarus coeruleus*.

One presented 3 June, 1868.

Genus **Naja** Laurenti, Syn. Rept. p. 90, 1768.

Species :

	Page
1. <i>haje</i>	251
2. <i>nivea</i>	251
3. <i>melanoleuca</i>	252
4. <i>nigricollis</i>	252
5. <i>naja</i>	252
6. <i>hannah</i>	253

680. *Naja haje* (Linnaeus), Syst. Nat. 1, p. 225, 1758.

Naia haie G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, p. 374, 1896.

Egyptian Cobra.

Hab. North and East Africa : Morocco, Egypt and the Sudan, south to the Transvaal and Zululand.

Fig. Anderson, Zool. Egypt, Rept. 1898, pl. 44.

One presented 29 June, 1849, by the Hon. Charles A. Murray.

681. *Naja nivea* (Linnaeus), Syst. Nat. 1, p. 223, 1758.

Naja flava (Merrem), Tent. Syst. Amphib. p. 154, 1820.

Naia flava.

Yellow Cobra.

Hab. South Africa : Cape Province.

Figs. A. Smith, Illustr. Zool. S. Afr. Rept. 1839, pls. 18-21, as *Naia haje*.

One presented 25 May, 1861, by Sir George Grey, K.C.B.

682. *Naja melanoleuca* Hallowell, Proc. Ac. Nat. Sci. Philad. p. 61, 1857.

Naia melanoleuca G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, p. 376, 1896.

Black-and-white Cobra.

Hab. Tropical Africa: widely distributed from Senegambia to the Upper Nile, and south to Angola, Nyassaland and Portuguese East Africa.

Figs. E. G. Boulenger, Rept. & Batr. 1914, p. 165: photograph. K. P. Schmidt, Bull. Amer. Mus. Nat. Hist. 49, 1923, pl. 16: photographs.

One deposited 31 Aug. 1905.

683. *Naja nigricollis* Reinhardt, Kong. Danske Vidensk. Selsk. Afhand. 10, p. 269, 1843.

Naia nigricollis.

Black-necked Cobra.

Hab. Africa: widely distributed from Senegambia to Upper Egypt and Somaliland, and south to Angola, the Transvaal and Natal.

Figs. Reinhardt, *l. c. s.* pl. 3, figs. 5-7: head, uncoloured. Anderson, Zool. Egypt, Rept. 1898, pl. 45.

One presented 2 Aug. 1913, by Mr. G. Aylmer, F.Z.S.

684. *Naja naja* (Linnaeus), Syst. Nat. 1, p. 221, 1758.

Naia tripudians.

Indian Cobra.

Hab. Southern Asia: from Transcaspia, through India and Ceylon, to China and the Malay Archipelago. Many varieties and subspecies have been described and discussed.

Figs. Fayrer, Thanatophid. Ind. ed. 2, 1874, pls. 1-6. G. A. Boulenger, Faun. Brit. Ind. Rept. 1890, p. 391, fig. 115: uncoloured.

First received in 1838 or 1839.

685. *Naja hannah* (Cantor), *Asiat. Res.* 19, p. 87, 1836.

Naja bungarus. *Ophiophagus elaps*.

Alternative names: *Hamadryas hannah*. *Ophiophagus hannah*.

Hamadryad, or King-Cobra.

Hab. South-eastern Asia: from India to southern China, south to the Malay Peninsula and islands.

Figs. Fayrer, *Thanotophid. Ind.* ed. 2, 1874, pls. 7 & 8. G. A. Boulenger, *Faun. Brit. Ind. Rept.* 1890, p. 390, fig. 114: head, uncoloured.

One purchased 5 March, 1875, from Mr. W. Jamrach, is said to have been the first ever brought alive to Europe. It died 25 Oct. 1887, having lived in the Gardens 12 years 7 months 20 days.

Genus **Sepedon** Merrem, *Tent. Syst. Amphib.*
p. 146, 1820.

Species:

	Page
1. <i>haemachata</i>	253

686. *Sepedon haemachata* (Lacépède), *Hist. Nat. Quadr.*
Ovip. Serp. 2, tabl. méth. p. 120, 1789.

Sepedon haemachates.

Ring-hals Snake.

• *Hab.* South Africa: Cape Province and Namaqualand.

Figs. A. Smith, *Illustr. Zool. S. Afr. Rept.* 1843, pl. 34, as *Naja haemachates*. E. G. Boulenger, *Rept. & Batr.* 1914, p. 172, upper fig.: photograph.

Three presented 5 Nov. 1876, by the Rev. G. H. R. Fisk, C.M.Z.S. Five recorded as born in the Gardens 5 Feb. 1883.

Genus **Furina** Duméril, *Mém. Ac. Sc. Paris*?
23, p. 517, 1853.

Species:

	Page
1. <i>occipitalis</i>	254

687. *Furina occipitalis* (Duméril & Bibron), Erp. gén. 7, p. 1220, 1854.

Black-and-white Ringed Snake.

Hab. Australia: widely distributed.

Figs. Günther, P. Z. S. 1859, Rept. pl. 17, fig. B, as *Vermicella occipitalis*: head, uncoloured. A. H. S. Lucas & W. H. D. Le Souëf, Anim. Australia, 1909, p. 185: photograph.

One purchased 25 Sept. 1883.

Genus **Homoroselaps** Jan, Rev. Mag. Zool. Paris (2), 10, p. 518, 1858.

Species:

	Page
1. <i>lacteus</i>	254

688. *Homoroselaps lacteus* (Linnaeus), Syst. Nat. 1, p. 220, 1758.

Homorelaps lacteus G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, p. 409, 1896.

Hygian Snake.

Hab. South Africa: Cape Province and Natal.

Fig. Jan, Icon. gén. Ophid. 3, 43, 1873, pl. 2, fig. 3, as *Elaps hygeae*: uncoloured.

One presented 8 Oct. 1885, by the Rev. G. H. R. Fisk, C.M.Z.S.

Genus **Micrurus** Wagler, in Spix, Nov. Spec. Serp. Brasil. p. 48, 1824.

Species:

	Page
1. <i>corallinus</i>	255
2. <i>tschudii</i>	255
3. <i>fulvius</i>	255
4. <i>lemniscatus</i>	256

689. *Micrurus corallinus* (Wied), Nov. Acta Ac. Caes. Leop.-Carol, 10, 1, p. 108, 1820.
Elaps corallinus G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, p. 420, 1896.
 Wied's Coral-Snake. Cobra Coral (in Brazil).
Hab. South America: Argentina, Paraguay, Brazil and Peru, with local races in Ecuador, Colombia, Venezuela and Trinidad.
Figs. Jan, Icon. gén. Ophid. 3, 42, 1872, pl. 1, fig. 1, & pl. 6, figs. 2 & 3, as *Elaps ornatissimus*, *E. rüsei* and *E. bocourti*: uncoloured.
 One presented 6 April, 1894, by Mr. R. R. Mole.
690. *Micrurus tschudii* (Jan), Rev. Mag. Zool. Paris (2), 10, p. 524, 1858.
Elaps tschudii.
 Tschudi's Coral-Snake.
Hab. South America: Peru.
Fig. Jan, Icon. gén. Ophid. 3, 42, 1872, pl. 6, fig. 1: uncoloured.
 Three presented 30 July, 1926, by Dr. B. Barnott, C.M.Z.S.
691. *Micrurus fulvius* (Linnaeus), Syst. Nat. 1, p. 381, 1766.
Elaps fulvius.
 Harlequin Coral-Snake.
Hab. North and Central America: from North Carolina and Florida westward through the Gulf States and Mississippi Valley to Mexico and Central America.
Figs. Holbrook, N. Amer. Herp. 3, 1842, pl. 10. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), pp. 1120, 1121, figs. 321, 322: heads, etc., uncoloured.
 One presented 30 May, 1893, by Mr. C. E. Brewerton.

692. *Micrurus lemniscatus* (Linnaeus), Syst. Nat. 1, p. 224, 1758.

Elaps lemniscatus.

Chequered Coral-Snake. Cobra Coral (in Brazil).

Hab. South America: the Guianas and Brazil.

Fig. Jan, Icon. gén. Ophid. 3, 42, 1872, pl. 5, fig. 1: uncoloured.

One purchased 28 April, 1869.

Synonym. *Micrurus ibiboboca* (Merrem) 1820.

Genus **Dendraspis** Fitzinger, Syst. Rept. p. 28, 1843.

Species:

	Page
1. <i>viridis</i>	256
2. <i>angusticeps</i>	256

693. *Dendraspis viridis* (Hallowell), Proc. Ac. Nat. Sci. Philad. 2, p. 172, 1844.

Hallowell's Green Mamba.

Hab. West Africa: from the Senegal to the Niger.

Figs. Bocage, Herp. Angola, 1895, pl. 15, fig. 1, as *D. jamesonii* (non Traill): head, uncoloured. E. G. Boulenger, Rept. & Batr. 1914, p. 172, lower fig.: photograph.

One presented 26 April, 1897, by the Rev. Canon J. Taylor Smith.

694. *Dendraspis angusticeps* (A. Smith), Illustr. Zool. S. Afr. Rept., text to pl. 70, 1849.

Andrew Smith's Green Mamba.

Hab. South and Tropical Africa: from Natal northwards to Kenya Colony and in Angola.

Fig. A. Smith, *l. c. s.* pl. 70, as *Naia angusticeps*.

One purchased 11 Aug. 1922.

Family VIPERIDAE.

Genera :

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1. <i>Causus</i>	257	5. <i>Echis</i>	262
2. <i>Vipera</i>	257	6. <i>Atheris</i>	263
3. <i>Bitis</i>	260	7. <i>Atractaspis</i>	263
4. <i>Cerastes</i>	261		

Genus **Causus** Wagler, Syst. Amphib.
p. 172, 1830.

Species :

	Page
1. <i>rhombeatus</i>	257

695. *Causus rhombeatus* (Lichtenstein), Verz. Doubl.
Mus. Berlin, p. 106, 1823.

Cape Viper. Night-Viper.

Hab. Tropical and South Africa: from the Gambia
to the Upper Nile, and southwards to the Cape
Province.

Figs. Schlegel, Phys. Serp. 2, 1837, pl. 17, figs. 12 &
13, as *Naja rhombeata*: head, uncoloured. E. G.
Boulenger, Rept. & Batr. 1914, p. 173, fig. a:
photograph.

One purchased in July 1860.

One born in the Gardens in 1901.

Genus **Vipera** Laurenti, Syn. Rept. p. 99, 1768.

Species :

	Page		Page
1. <i>ursinii</i>	257	5. <i>ammodytes</i>	259
2. <i>berus</i>	258	6. <i>lebetina</i>	259
3. <i>aspis</i>	258	7. <i>russelii</i>	259
4. <i>latasti</i>	258		

696. *Vipera ursinii* (Bonaparte), Iconografia Fauna Italica
Anim. Vert. 2, Anfibi, p. 60 **, 1832-1841 (1835).

Orsini's Viper.

Hab. South-central Europe : from south-east France and north Italy to Hungary, Bosnia and Montenegro.

Fig. G. A. Boulenger P. Z. S. 1893, pl. 51: uncoloured.

One purchased 4 May, 1912.

697. *Vipera berus* (Linnaeus), Syst. Nat. 1, p. 217, 1758.
Northern Viper, or Adder.

Hab. Europe and northern Asia : from England and Scotland eastward to Amurland and Sakhalien Island, north to within the Arctic Circle in Norway, Sweden, Finland and Russia, south to Spain, Italy and Bosnia.

Figs. Cooke, Our Reptiles, ed. 2, 1893, pl. 5. Stejneger, Bull. U.S. Nat. Mus. 58, 1907, p. 446, figs. 358-360, as *Coluber berus*: head, uncoloured. G. A. Boulenger, Snakes Europe, 1913, pl. 12, lowest fig., & p. 231, fig. 35: uncoloured.

Twelve received in exchange 28 April, 1849, but probably others earlier.

At least fifteen born in the Gardens 1849-1885.

698. *Vipera aspis* (Linnaeus), Syst. Nat. 1, p. 218, 1758.
Asp Viper.

Hab. Europe : France, south Germany, Switzerland, Tyrol, Italy, to as far south as Calabria and Sicily, Croatia and Bosnia.

Figs. G. A. Boulenger, Snakes Europe, 1913, pl. 13, upper figs., & p. 240, fig. 36: heads, uncoloured.

One purchased 13 May, 1884.

699. *Vipera latasti* E. Bosca, Bull. Soc. Zool. France, 3, p. 116, 1878.

Vipera latastii G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, p. 484, 1896.

Lataste's Viper.

Hab. South-west Europe and north-west Africa : Spain, Portugal, Morocco and Algeria.

Figs. G. A. Boulenger, Snakes Europe, 1913, pl. 13, lower fig., & p. 247, fig. 37: heads, etc., uncoloured.

Two presented 14 Oct. 1883 by Lord Lilford, F.Z.S.

700. *Vipera ammodytes* (Linnaeus), Syst. Nat. 1, p. 216, 1758.

Long-nosed Viper.

Hab. South-east Europe and west Asia: from the southern Tyrol, Carinthia, Styria and Hungary to Greece, Turkey, Asia Minor, Transcaucasia and Syria.

Figs. G. A. Boulenger, Snakes Europe, 1913, pl. 14, middle fig. p. 250, fig. 38, & p. 253, figs. 39 & 40: heads, etc., uncoloured.

Two purchased 8 Aug. 1863.

701. *Vipera lebetina* (Linnaeus), Syst. Nat. 1, p. 218, 1758:

Daudin's Viper. Blunt-nosed Viper. Kufi.

Hab. North Africa and west Asia: Morocco, Algeria, Tunisia, Syria, Cyprus, Asia Minor and Greek islands, and eastward to Transcaucasia, Mesopotamia, Persia, Baluchistan, Afghanistan and Kashmir.

Figs. Tristram, Faun. & Flor. Palestine, 1884, pl. 15, as *Daboia xanthina* J. E. Gray 1849. Anderson, P. Z. S. 1892, pl. 1, figs. 6 & 7: head, uncoloured. G. A. Boulenger, Snakes Europe, 1913, pl. 14, upper fig., & p. 258, fig. 41: heads, uncoloured.

Two deposited 19 Aug. 1920.

702. *Vipera russellii* (Shaw), Nat. Miscell. 8, index to text of pl. 291, 1797.

Vipera russellii.

Russell's Viper. Russelian Snake. Daboia. Tic polonga (Sinhalese).

Hab. South Asia: India, west to Sind and Baluchistan, north to the western Himalayas, south to Ceylon, east to Burma, Siam and the islands of Komodo and Endeh, in the Malay Archipelago.

Figs. Fayrer, Thanatophid. Ind. ed. 2, 1874, pl. 11, as *Daboia russellii* G. A. Boulenger, Faun. Brit. Ind. Rept. 1890, p. 420, fig. 123: uncoloured. E. A. Boulenger, Rept. & Batr. 1914, p. 173, fig. b: photograph.

One presented 18 July, 1871, by Mr. E. W. H. Holdsworth, F.Z.S. Young born in the Gardens—five 22 Sept. 1875, two 16 Sept. 1876, twelve (dead) in June, 1912, eight 27 June, 1927.

706. *Bitis gabonica* (Duméril & Bibron), *Erp. gén.* 7, p. 1428, 1854.
 River-Jack Viper.
Hab. Tropical Africa: from Liberia to Tanganyika Territory and southwards to Damaraland and Portuguese East Africa.
Figs. Duméril & Bibron, *l.c.s.* pl. 80 bis, as "Echidnée du Gabon." E. G. Boulenger, *Rept. & Batr.* 1914, p. 176, fig. *b*: photograph.
 First received between 29 April, 1854, and 29 April, 1855.
707. *Bitis nasicornis* (Shaw), *Nat. Miscell.* 3, index to text of pl. 94, 1792.
 Nose-horned Viper. Horn-nosed Snake.
Hab. West Africa: from Liberia to the Gaboon and Congo Forest.
Figs. Wolf, *Zool. Sketches* (2), 1865, pl. 50. Novit. *Zool. Tring.* 12, 1905, pl. 11. K. P. Schmidt, *Bull. Amer. Mus. Nat. Hist.* 49, 1923, pl. 21: photographs.
 One purchased in Jan. 1862.
 Sixty-seven born in the Gardens—forty-six 6 Nov. 1881, and twenty-one in 1905.

Genus **Cerastes** Wagler, *Syst. Amphib.*
 p. 178, 1830.

Species:

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1. <i>cerastes</i>	261
2. <i>vipera</i>	262

708. *Cerastes cerastes* (Linnaeus), *Syst. Nat.* i. p. 217, 1758.
Cerastes cornutus.
 Horned Cerastes-Viper.
Hab. North Africa and south-west Asia: borders of the Sahara, the Sudan, Sinai, Palestine and Arabia.
Fig. Anderson, *Zool. Egypt, Rept.* 1898, pl. 48.
 Some presented 29 June, 1849, by the Hon. Charles A. Murray.

709. *Cerastes vipera* (Linnaeus), Syst. Nat. 1, p. 216, 1758.

Lesser Cerastes-Viper.

Hab. North Africa: northern border of the Sahara from Algeria to Egypt, and Sinai.

Fig. Anderson, Zool. Egypt, Rept. 1898, pl. 47.

Some presented 29 June, 1849, by the Hon. Charles A. Murray.

Genus **Echis** Merrem, Tent. Syst. Amphib.
p. 149, 1820.

Species :

	Page
1. <i>carinatus</i>	262
2. <i>coloratus</i>	262

710. *Echis carinatus* (Schneider), Hist. Amphib. 2, p. 285, 1801.

Carpet-Viper. Saw-scaled Viper. Phoorsa (in parts of India).

Hab. North Africa and south-west Asia: from Upper Senegal, Egypt and Somaliland to Syria, Persia, India and northern Ceylon.

Figs. Fayerer, Thanatophid. Ind. ed. 2, 1874, pl. 12. Anderson, Zool. Egypt, Rept. 1898, pl. 49. E. G. Boulenger, Rept. & Batr. 1914, p. 182, fig. a: photograph.

Three presented 19 May, 1875, by Dr. J. Shortt, F.Z.S.

711. *Echis coloratus* Günther, Proc. Zool. Soc. London, 1878, p. 978.

Burton's Carpet-Viper.

Hab. North-east Africa and south-west Asia: Egypt, Socotra, Sinai, Palestine, Arabia.

Fig. G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, 1896, pl. 25, fig. 1: head and neck, uncoloured.

One presented 30 Jan. 1927, by Mr. R. F. Sullens.

Genus **Atheris** Cope, Proc. Ac. Nat. Sci. Philad.
1862, p. 337

Species :

	Page
1. <i>chlorocephis</i>	263

712. *Atheris chlorocephis* (Schlegel), Versl. Ak. Amst. 3,
p. 317, 1855.

Atheris chlorechis G. A. Boulenger, Brit. Mus.
Cat. Snakes, 3, p. 508, 1896.

African Green Tree-Viper.

Hab. West Africa: Liberia to the Gaboon.

Fig. E. G. Boulenger, Rept. & Batr. 1914, p. 182,
fig. c: photograph.

One presented 23 Dec. 1909 by Dr. H. G. F. Spurrel

Genus **Atractaspis** A. Smith, Illustr. Zool.
S. Afr. Rept., text to pl. 71, 1849.

Species :

	Page
1. <i>irregularis</i>	263

713. *Atractaspis irregularis* (Reinhardt), Kong. Danske
Vidensk. Selsk. Afhand, 10, p. 264, 1843.

Reinhardt's Mole-Viper.

Hab. Tropical Africa: from Sierra Leone and the
Gold Coast to the Congo and eastward to Uganda.

Figs. Jan, Icon. gén. Ophid. 43, 1873, pl. 3, fig. 1:
uncoloured. K. P. Schmidt, Bull. Amer. Mus. Nat
Hist. 49, 1923, pl. 18, fig. 2: photograph.

One presented 6 Aug. 1914 by Mr. G. Aylme
F.Z.S.

Family CROTALIDAE.

Genera :

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1. <i>Agkistrodon</i>	264
2. <i>Trimeresurus</i>	265
3. <i>Lachesis</i>	266
4. <i>Bothrops</i>	267
5. <i>Sistrurus</i>	268
6. <i>Crotalus</i>	269

Genus **Agkistrodon** Palisot de Beauvois, Trans.
Amer. Philos. Soc. Philad. 4,
p. 381, 1799.

Species :

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1. <i>piscivorus</i>	264
2. <i>mokasen</i>	264
3. <i>Bomhoffii</i>	265

714. *Agkistrodon piscivorus* (Lacépède). Hist. Nat. Quad.
Ovip. Serp. 2, tab. méth. p. 130, 1789.

Ancistrodon piscivorus.

Cotton-mouth Moccasin. Water Moccasin, or Mo-
cassin. Water-Viper.

Hab. North America : United States, West Virginia
to Florida and the Gulf States.

Figs. Holbrook, N. Amer. Herp. 3, 1842, pl. 7,
as *Trigonocephalus piscivorus*. Cope, Ann. Rep:
U.S. Nat. Mus. 1898 (1900), p. 1134, fig. 325:
head, etc., uncoloured. E. G. Boulenger, Rept. &
Batr. 1914, p. 183, fig. a : photograph.

One presented in 1858 by Mr. Odo Russell.

One, or more, born in the Gardens between 29 April,
1860, and 29 April, 1861.

715 *Agkistrodon mokasen* Palisot de Beauvois, Trans.
Amer. Philos. Soc. Philad. 4, p. 370, footnote,
1799.

Ancistrodon contortrix.

Copperhead.

Hab. North America: United States, Massachusetts southward to northern Florida, and westward to Illinois, Arkansas and Texas.

Figs. Holbrook, N. Amer. Herp. **3**, 1842, pl. 8, as *Trigonocephalus contortus*. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 1136, fig. 326: head, uncoloured.

First received in 1850.

716. *Agkistrodon blomhoffii* (Boie), Isis, 1826, p. 214.

Ancistrodon blomhoffii G. A. Boulenger, Brit. Mus. Cat. Snakes, **3**, p. 525, 1896.

Agkistrodon halys blomhoffii Stejneger, Proc. U.S. Nat. Mus. **66**, no. 2562, p. 96, 1925.

Blomhoff's Pit-Viper. Mamushi.

Hab. Eastern Asia: Japan, Korea, eastern Siberia, Mongolia and China.

Figs. Temminck & Schlegel, Faun. Japon. Rept. 1835, Ophid. pl. 6, as *Trigonocephalus blomhoffii*: uncoloured. Stejneger, Herp. Japan, Bull. U.S. Nat. Mus. **58**, 1907, pl. 26, & p. 458, figs. 362-364: uncoloured.

One presented 22 July, 1884, by Mr. G. Waller, F.Z.S.

Genus **Trimeresurus** Lacépède, Ann. Mus. Hist. Nat. Paris, **4**, p. 209, 1804.

Species:

	Page
1. <i>purpureomaculatus</i>	265
2. <i>gramineus</i>	266
3. <i>wagleri</i>	266

717. *Trimeresurus purpureomaculatus* (J. E. Gray), Illustr. Ind. Zool. **1**, pl. 81, 1832.

Lachesis purpureomaculatus.

Gray's Pit-Viper, or Temple Viper.

Hab. South-east Asia: Himalayas, Bengal, Assam, Burma, Malay Peninsula and islands.

Fig. Gray, *l.c.s.*, as *Trigonocephalus purpureomaculatus*. One purchased 30 Sept. 1927.

718. *Trimeresurus gramineus* (Shaw), Gen. Zool. 3, pt. 2, p. 420, 1802.

Lachesis gramineus.

Green Pit-Viper, or Temple-Viper.

Hab. South and east Asia: widely distributed from India to China and Formosa, and south to Sumatra, Java and Timor.

Figs. Stejneger, Herp. Japan, Bull. U.S. Nat. Mus. 58, 1907, p. 481, figs. 370-372: head, uncoloured. K. P. Schmidt, Bull. Amer. Mus. Nat. Hist. 54, 1927, p. 545, fig. 21: head, uncoloured.

Eleven presented 20 Oct. 1896, by Mr. W. G. Bligh.

719. *Trimeresurus wagleri* (Boie), Isis, 20, p. 561, 1827.

Lachesis wagleri.

Wagler's Pit-Viper, or Temple-Viper.

Hab. South-east Asia: Malay Peninsula and Archipelago.

Figs. Schlegel, Phys. Serp. 2, 1837, pl. 19, figs. 16-18, as *Trigonocephalus wagleri*: head, uncoloured.

Two presented 30 Sept. 1903, by Mr. A. Herbert.

Genus **Lachesis** Daudin, Hist. Nat. Rept. 5, p. 349, 1803.

Species:

	Page
1. <i>mutus</i>	266

720. *Lachesis mutus* (Linnaeus), Syst. Nat. 1, p. 373, 1766.

Bush-master. Surucucu. Mapepiré Z'Ananna (in Trinidad).

Hab. Central and South America, south to eastern Peru, Bolivia and Brazil.

Figs. Wagler, in Spix, Serp. Bras. 1824, pl. 23, as *Bothrops surucucu*. E. G. Boulenger, Rept. & Batr. 1914, p. 183, fig. c: photograph.

First received in 1850.

Genus **Bothrops** Wagler, in Spix, Spec. Nov.
Serp. Brasil. p. 50, 1824.

Species :

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1. <i>atrox</i>	267
2. <i>alternatus</i>	267
3. <i>neuwiedi</i>	267
4. <i>bilineatus</i>	268
5. <i>schlegelii</i>	268

721. *Bothrops atrox* (Linnaeus), Syst. Nat. 1, p. 222, 1758.

Lachesis atrox. Lachesis lanceolatus.

Fer-de-Lance. Rat-tailed Serpent. Death-Adder
Echis (pronounced "X" in Spanish-America).
Barba amarilla (in Central America). Caissaca and
Mapepiré balsayn (in Brazil). Barcin (in Trinidad).

Hab. Central and South America: from Mexico to
Peru, Bolivia and Brazil, and in Trinidad, Mar-
tinique, St. Lucia and Tobago.

Fig. Amaral, Neotropical Pit-Vipers. Contrib. Harvard
Inst. Tropical Biology Medicine, 2, 1925, pl. 1.

First received in 1849.

Fifteen born in the Gardens 26 Nov. 1864.

722. *Bothrops alternatus* Duméril & Bibron, Erp. gén. 7,
p. 1512, 1854.

Lachesis alternatus.

Crossed Viper.

Hab. South America: Argentina, Uruguay, Paraguay
and southern Brazil.

Figs. Duméril & Bibron, *l. c. s.* pl. 82 bis, figs. 1 & 1 a.
Two purchased 8 June, 1886.

723. *Bothrops neuwiedi* Wagler, in Spix, Spec. Nov.
Serp. Brasil. p. 56, 1824.

Lachesis neuwiedii G. A. Boulenger, Brit. Mus.
Cat. Snakes, 3, p. 542, 1896.

Prince Maximilian's Pit-Viper.

Hab. South America: Brazil, and probably Paraguay
and north Argentina.

Fig. Wagler, *l.c.s.* pl. 22, fig. 1.

One presented 28 April, 1914, by Mr. W. A. Smithers, C.M.Z.S.

724. *Bothrops bilineatus* (Wied), Beitr. Naturges. Brasil. 1. p. 483, 1825.

Lachesis bilineatus.

Two-lined Pit-Viper.

Hab. South America: Brazil, Bolivia, Peru, Ecuador.

Figs. Wied, Abbild. Naturges. Brasil. 1831, pl. unnumbered, as *Cophias bilineatus*. Jan, Icon. gén. Ophid. 47, 1875, pl. 1, figs. 2 & 3: uncoloured.

One presented 1 Oct. 1864, by Dr. Wucherer, C.M.Z.S.

725. *Bothrops schlegelii* (A. A. Berthold), Abh. König. Ges. Wiss. Göttingen, 3, p. 13, 1846.

Lachesis schlegelii.

Horned Palm-Viper. Schlegel's Pit-Viper. Eyelash Viper.

Hab. Central and South America: from Guatemala to Colombia and Ecuador.

Fig. P. Z. S. 1859, Rept. pl. 20, fig. C, as *Lachesis nitidus* Günther 1859.

One presented 23 Aug. 1906, by Mr. A. M. Rodger.

Genus **Sistrurus** Garman, Mem. Mus. Comp. Zoöl. Cambridge, Mass. 8, pt. 3, p. 110, 1883.

Species :

	Page
1. <i>miliarius</i>	268
2. <i>catenatus</i>	269

726. *Sistrurus miliarius* (Linnaeus), Syst. Nat. 1, p. 372, 1766.

Ground Rattlesnake. Pygmy Rattlesnake.

Hab. North America: United States from North Carolina and Florida, westward to Oklahoma and Texas.

Figs. Holbrook, N. Amer. Herp. 3, 1842, pl. 4, as *Crotalophorus miliarius*. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 1141, fig. 327: head, etc., uncoloured. E. G. Boulenger, Rept. & Batr. 1914, p. 186, fig. c: photograph.

One presented 30 Oct. 1873, by Mr. J. W. James.
Six born in the Gardens 19 Aug. 1913.

727. *Sistrurus catenatus* (Rafinesque), Amer. Month. Mag. Crit. Rev. New York, 4, no. 1, p. 41, 1818.

Massasauga Rattlesnake.

Hab. North America: from Ontario, Michigan and western New York, west to Nebraska, and south to Texas and Mexico.

Figs. Holbrook, N. Amer. Herp. 3, 1842, pl. 5, as *Crotalophorus tergeminus*. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 1146, fig. 329: head, uncoloured.

First received in 1856 or 1857.

Genus **Crotalus** Linnaeus, Syst. Nat. 1,
p. 214, 1758.

Species:

	Page		Page
1. <i>terrificus</i>	269	6. <i>adamanteus</i>	271
2. <i>atrox</i>	270	7. <i>horridus</i>	271
3. <i>confluentus</i>	270	8. <i>mitchellii</i>	272
4. <i>exsul</i>	270	9. <i>cerastes</i>	272
5. <i>oreganus</i>	270		

728. *Crotalus terrificus* (Laurenti), Syn. Rept. p. 93, 1768.

Cascavel Rattlesnake. Dog-faced Rattlesnake.

Hab. South and Central America: in dry or semi-dry areas from N. Argentina and S. Brazil to central Mexico.

Fig. Wagler, in Spix, Serp. Bras. 1824, pl. 24, as *C. cascavella*.

First received in 1878.

Twenty born in the Gardens 24 Feb. 1923.

729. *Crotalus atrox* (Baird & Girard), Cat. N. Amer. Rept. pt. 1, p. 5, 1853.

Crotalus scutulatus.

Texas Rattlesnake. Western Diamond-back Rattlesnake. Desert Diamond Rattler.

Hab. North America: Texas and northern Mexico to Arizona, also Lower California.

Fig. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 1165, fig. 334, as *Crotalus adamanteus atrox*: head, etc., uncoloured.

Two received in exchange 29 Oct. 1901.

Three born in the Gar lens 3 Sept. 1912.

730. *Crotalus confluentus* Say, in Long, Exp. Rocky Mts. 2, p. 48, 1823.

Alternative name *Crotalus confluentus confluentus*.

Prairie Rattlesnake.

Hab. North America: the Great Plains, from about the 96th Meridian to the Rocky Mountains, north into Canada, south to Texas and Mexico.

Figs. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), pp. 1171, 1174 & 1175, figs. 336-338: heads, etc., uncoloured.

One received 25 Oct. 1870.

731. *Crotalus exsul* Garman, Mem. Mus. Comp. Zool. Cambridge, Mass. 8, pt. 3, p. 114, 1883.

Red Rattlesnake. Red Diamond Rattler.

Hab. North America: southern California and the mainland and islands of Lower California.

Fig. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 1168, fig. 335, as *Crotalus ruber* (Cope) 1892.

Three purchased 12 June, 1926.

732. *Crotalus oregonus* Holbrook, N. Amer. Herp. ed. 1 4, p. 115, pl. 29 (=24), 1840. v. Stejneger & Barbour, Check List N. Amer. Rept. ed. 2, p. 125, 1923.

Alternative name *Crotalus confluentus oregonus*.

Oregon Rattlesnake. Pacific Rattler.

Hab. Western North America : from British Columbia to Lower California.

Figs. Holbrook, N. Amer. Herp. 3, 1842, pl. 3, *Crotalus oregonus*, but in text, p. 21, *Crotalus oregonus*. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 1177, fig. 339, as *Crotalus confluentus lucifer* Baird & Girard 1853 : head, etc., uncoloured. One presented 6 June, 1925, by Dr. T. Barbour, C.M.Z.S.

733. *Crotalus adamanteus* Palisot de Beauvois, Trans. Amer. Philos. Soc. Philad. 4, p. 368, 1799.

Crotalus durissus G. A. Boulenger, Brit. Mus. Cat. Snakes, 3, p. 578, 1896.

Diamond Rattlesnake. Eastern Diamond-back Rattlesnake.

Hab. North America : south-east United States, Arkansas and Louisiana to North Carolina and Florida.

Figs. Holbrook, N. Amer. Herp. 3, 1842, pl. 2. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 1162 fig. 333 : head, uncoloured.

First received before 29 April, 1859.

One born in the Gardens 9 Nov. 1867.

734. *Crotalus horridus* Linnaeus, Syst. Nat. 1, p. 214, 1758.

Timber Rattlesnake. Black Rattlesnake. Banded Rattlesnake. Canebrake Rattlesnake.

Hab. North America : Maine to Georgia and westward to the Great Plains.

Figs. Holbrook, N. Amer. Herp. 3, 1842, pl. 1, as *Crotalus durissus*. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900), p. 1186, fig. 342 : head, etc., uncoloured.

First received in 1842 or 1843.

Twenty born in the Gardens 25 Jan. 1888.

735. *Crotalus mitchellii* (Cope), Proc. Ac. Nat. Sci. Philad. 1861, p. 293.

Alternative name *Crotalus tigris mitchellii*.

Mitchell's Rattlesnake. Bleached Rattler.

Hab. Western North America: Colorado De s
Lower California.

Figs. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900),
pp. 1194, 1195, figs 345, 346: heads, etc., un-
coloured.

One purchased 17 July, 1925.

736. *Crotalus cerastes* Hallowell, Proc. Ac. Nat. Sci. Philad. 7, p. 95, 1854.

Sidewinder. Horned Rattler.

Hab. Western North America: Utah, Nevada,
Arizona, California and Lower California.

Fig. Cope, Ann. Rep. U.S. Nat. Mus. 1898 (1900),
p. 1197, fig. 347: head, etc., uncoloured.

Three purchased 12 June, 1926.

AMPHIBIA.

BY

MALCOLM A. SMITH, M.R.C.S., L.R.C.P., F.Z.S.

Class **AMPHIBIA.**

Orders :

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III. Salientia	285

Order I. **APODA.**

Family :

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1. Coeciliidae	275

Family 1. **COECILIIDAE.**

Genus **Siphonops** Wagler, Isis, 1828, p. 740.

1. *Siphonops annulatus* (Mikan), Delect. Flor. Faun. Bras., 1820, tab. 11.
Mikan's Coecilian.
Range. Tropical S. America.
Fig. Blgr., Cat. Batr. Grad., 1882, pl. 8.

Order II. **GRADIENTIA.**

Families :

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1. Sirenidae	276	5. Cryptobranchidae	277
2. Proteidae	276	6. Salamandridae	278
3. Amphiumidae	277	7. Plethodontidae	282
4. Hynobiidae	277	8. Ambystomidae	284

Family 1. SIRENIDAE.

Genus **Siren** Linn., Syst. Nat., ed. 12,
1766, Addenda.

2. *Siren lacertina* Linn., Syst. Nat. 1766, Addenda.

Siren ; Mud-Eel.

Range. Southern U.S.A.

Fig. Barbour, Rept. & Amphib., 1926, fig. 131 ; Gadow,
Amph. & Rept., 1901, fig. 27.

Family 2. PROTEIDAE.

Genus **Proteus** Laurenti, Syn. Rept.,
1768, p. 37.

3. *Proteus anguinus* Laurenti, Syn. Rept., 1768. p. 37.

Olm ; Proteus.

Range. Carniola ; Carinthia ; Dalmatia.

Fig. Gadow, Amphib. & Rept., 1901, fig. 26. E. G. Blgr. ;
Rept. & Batr., 1914, p. 269.

Genus **Necturus** Rafinesque, J. Phys. Chim.
Nat. Hist. vol. 88, 1819, p. 418.

4. *Necturus maculosus* (Rafinesque), Amer. Month. Mag.
Crit. Rev., vol. 4, 1818, p. 41.

Necturus maculatus, Blgr., Cat. Batr. Grad., 1882,
p. 84.

Mud-puppy ; Water-dog.

Range. U.S.A.

Fig. E. G. Blgr., Rept. & Batr., 1914, p. 269.

Family 3. AMPHIUMIDAE.

Genus **Amphiума** Garden, Smith's Corresp.
Linn., vol. 1, 1821, p. 599.

5. *Amphiума means* Garden, Smith's Corresp. Linn.
vol. 1, 1821, pp. 333, 599.
Amphiума; Blind Eel.
Range. Southern U.S.A.
Fig. Gadow, Amphib. & Rept., 1901, fig. 18; E. G. Blgr.,
Rept. & Batr., 1914, p. 269.

Family 4. HYNOBIIDAE.

Family 5. CRYPTOBRANCHIDAE.

Genus **Cryptobranchus** Leuckart, Isis,
1821, p. 259.

6. *Cryptobranchus alleganiensis* (Daudin), Hist. Nat.
Rept., vol. 8, 1803, p. 231.
Hell-bender.
Range. U.S.A.
Fig. Dum. & Bib., Erp. Gén., Atlas, 1854, pl. 94;
Holbrook, N. Amer. Herpet., 1842, pl. 32.

Genus **Megalobatrachus** Tschudi, Neues Jahrb.
Mineral. Geol. Palaeon., 1837, p. 547.

7. *Megalobatrachus japonicus* (Temminck), Fauna Japon.,
Coup. d'oeil, 1837, p. 26.
Megalobatrachus maximus, Blgr., Cat. Batr. Grad.,
1882, p. 80.
Giant Salamander.
Range. Japan.
Fig. Schlegel, Fauna Japon., 1837, pls. 6, 7, 8; Barbour,
Rept. & Amphib., 1926, fig. 130.

8. *Megalobatrachus sligoi* E. G. Blgr., P. Z. S., 1924,
p. 173.
Sligo's Giant Salamander.
Range. China.

Family 6. SALAMANDRIDAE.

- Genus **Triturus** Rafinesque, Ann. Nat. 1815, p. 78.
Molge, Blgr., Cat. Batr. Grad., 1882, p. 6.
9. *Triturus cristatus* (Laur.), Syn. Rept., 1768, p. 39.
Molge cristata, Blgr., Cat. Batr. Grad., 1882, p. 8.
Crested Newt.
Range. England; Europe.
Fig. Gadow, Amphib. & Rept., 1901, fig. 23; E. G.
Blgr., Rept. & Batr., 1914, p. 245.
Four hybrid *T. cristatus* × *marmoratus* presented in Feb.
1912.
- a. *Triturus cristatus* var. *carniflex* (Laurenti), Syn. Rept.,
1768, p. 38.
Range. Austria; Italy; Yugo-Slavia.
10. *Triturus marmoratus* (Latreille), Hist. Salam., 1800,
p. 33, pl. 3.
Molge marmorata, Blgr., Cat. Batr. Grad., 1882,
p. 11.
Marbled Newt.
Range. France; Spain.
Fig. Dum. & Bib., Erp. Gén., Atlas 1854, pl. 106;
E. G. Blgr., Rept. & Batr., 1914, p. 252.
11. *Triturus alpestris* (Laurenti), Syn. Rept., 1768,
pp. 38, 142, pl. 2.
Molge alpestris, Blgr., Cat. Batr. Grad., 1882, p. 12.
Alpine Newt.
Range. Central Europe.
Fig. Dürigen, Deutsch. Amph. und Rept., 1897, pl. 5;
Schreiber, Herp. Eur., 1912, p. 96.

12. *Triturus vulgaris* (Linn.), Syst. Nat., 1758, p. 206.
Molge vulgaris, Blgr., Cat. Batr. Grad., 1882,
p. 14.
Common Smooth Newt.
Range. England; Europe.
Fig. Gray, Our Reptiles, 1865, pl. 9; Dürigen,
Deutsch. Amphib. und Rept., 1897, pl. 6.
13. *Triturus palmatus* (Schneid.), Hist. Amphib., 1799,
p. 72.
Molge palmata, Blgr., Cat. Batr. Grad., 1882, p. 16.
Palmated Newt.
Range. England; Europe.
Fig. Schreiber, Herpet. Eur., 1912, p. 74.
14. *Triturus montandoni* (Blgr.), Bull. Soc. Zool. Fr.,
1880, pp. 37, 157, pl. 7.
Molge montandoni, Blgr., Cat. Batr. Grad., 1882,
p. 17.
Montandon's Newt.
Range. Roumania.
15. *Triturus boscai* (Lataste), Rev. Intern. Sc., vol. 3,
1879, p. 275.
Molge boscae, Blgr., Cat. Batr. Grad., 1882, p. 18.
Bosca's Newt.
Range. Spain.
Fig. Tournville, Bull. Soc. Zool. Fr., 1879, pl. 7.
16. *Triturus pyrrhogaster* (Boie), Isis, 1826, p. 215.
Molge pyrrhogaster, Blgr., Cat. Batr. Grad., 1882,
p. 19.
Japanese Newt.
Range. Japan.
Fig. Stejneger, Herpet. Japan, 1907, pl. 2.

17. *Triturus torosus* (Eschscholtz), Zool. Atlas, 1833,
p. 12, pl. 21.
Molge torosa, Blgr., Cat. Batr. Grad., 1882, p. 20.
Californian Newt.
Range. U.S.A.
Fig. Cope, U.S. Explor. Exp., 1858, pl. 1, fig. 18 (as
Taricha torosa).
18. *Triturus viridescens* (Rafin.), Ann. Nat., Lexington,
No. 1, 1820, p. 5.
Molge viridescens, Blgr., Cat. Batr. Grad., 1882,
p. 21.
Green Newt; Ebbet.
Range. U.S.A.
Fig. Cope, Bull. U.S. Nat. Mus., 1889, figs. 52, 53 ;
Ditmars, Amer. Mus. J., 1905, vol. 5, p. 180.
19. *Triturus poireti* (Gervais), Bull. Soc. Sci. Nat., 1835,
p. 313.
Molge poireti, Blgr., Cat. Batr. Grad., 1882, p. 25.
Poiret's Newt.
Range. Algeria.
Fig. Dum. & Bib., Erp. Gen., Atlas, 1854, pl. 107.
- Genus **Euproctus**. Gené, Mem. Acc. Torino,
vol. 1, 1838, p. 281.
20. *Euproctus asper* (Dugès), Ann. Sci. Nat. 1852, p. 266,
pl. 1.
Molge aspera, Blgr., Cat. Batr. Grad., 1882, p. 24.
Rough Newt; Pyrenean Newt.
Range. Pyrenees.
Fig. Dum. & Bib., Erp. Gén., Atlas, 1854, pl. 106.
21. *Euproctus platycephala* (part.) Gravenh., Delic. Mus.
Zool. Vratisl., 1829, p. 84.
Molge rusconii, Blgr., Cat. Batr. Grad., 1882, p. 24.
Rusconi's Newt.
Range. Sardinia.

Genus **Pleurodeles** Michahelles, Isis,
1830, p. 195.

22. *Pleurodeles waltli* Michahelles, Isis, 1830, p. 195.
Molge waltlii, Blgr., Cat. Batr. Grad., 1882, p. 27.
Pleurodele Newt.
Range. Spain ; N. Africa.
Fig. Gadow, Amphib. & Rept., 1901, fig. 25 ; E. G.
Blgr., Rept. & Batr., 1914, p. 260.

Genus **Tylototriton** Anderson, P. Z. S.,
1871, p. 423.

23. *Tylototriton verrucosus* Anders., P. Z. S., 1871, p. 423.
Burmese Newt.
Range. E. Himalayas to Yunnan.
Fig. Anders., Zool. Res. Yunnan, 1878-79, pl. 76 ;
Blgr., Fauna Brit. Ind., Rept., 1890, fig. 141.
Thirty born in the Gardens, Sept. 17, 1908.

Genus **Salamandrina** Fitz., Neue Class.
Rept., 1826, p. 41.

24. *Salamandrina terdigitata* (Bonnaterre), Tabl. Encycl.
Méth. Erpet., 1789, p. 64, pl. 12.
Salamandrina perspicillata, Blgr., Cat. Batr. Grad.,
1882, p. 28.
Spectacled Newt.
Range. Italy.
Fig. Schreiber, Herpet. Eur., 1912, p. 31.

Genus **Salamandra** Laurenti, Syn.
Rept., 1768, p. 41.

25. *Salamandra salamandra* (Linn.), Syst. Nat., 1758,
p. 204.
Salamandra maculosa, Blgr., Cat. Batr. Grad., 1882,
p. 3.
Spotted Salamander.

Range. Europe.

Fig. E. G. Blgr., Rept. & Batr., 1914, p. 245.

26. *Salamandra atra* Laurenti, Syn. Rept., 1768, p. 42,
pl. 1.

Black Salamander.

Range. The Alps.

Fig. E. G. Blgr., Rept. & Batr., 1914, p. 245.

Genus **Chioglossa** Bocage, P. Z. S.,
1864, p. 264.

27. *Chioglossa lusitanica* Bocage, P. Z. S., 1864, p. 264,
pl. 21.

Spanish Salamander.

Range. Spain; Portugal.

Fig. Schreiber, Herpet. Eur., 1912, p. 122.

Family 7. PLETHODONTIDAE.

Genus **Hemidactylum** Tschudi, Mem. Soc.
Sci. Nat. Neuchâtel, 1838, p. 94.

Batrachoseps, Blgr., Cat. Batr. Grad., 1882, p. 58.

28. *Hemidactylum scutatatum* (Schlegel), Fauna Japon.,
Saur. Batr., 1838, p. 119.

Batrachoseps scutatus, Blgr., Cat. Batr. Grad., 1882,
p. 59.

Four-toed Salamander.

Range. U.S.A.

Genus **Plethodon** Tschudi, Mem. Soc. Sci. Nat.
Neuchâtel, 1838, p. 92.

29. *Plethodon glutinosus* (Green), J. Acad. Nat. Sci.
Philad., vol. 1, 1818, p. 357.

Slimy Salamander

Range. U.S.A.

Fig. Ditmars, Amer. Mus. J., 1905, vol. 5, p. 172.

30. *Plethodon cinereus* (Green), J. Acad. Nat. Sci. Philad., vol. 1, 1818, p. 356.

Plethodon erythronatus, Blgr., Cat. Batr. Grad., 1882, p. 57.

Red-backed Salamander; Dusky Salamander.

Range. U.S.A.

Fig. Holbrook, N. Amer. Herpet., 1842, pl. 11;
Ditmars, Amer. Mus. J., 1905, vol. 5, pp. 70-71.

Genus **Eurycea** Rafinesque, Kentucky Gazette, Lexington, vol. 1, 1822, p. 3.

Spelerpes (part.), Blgr., Cat. Batr. Grad., 1882, p. 60.

31. *Eurycea longicauda* (Green), J. Acad. Nat. Sci. Philad., 1818, p. 361.

Spelerpes longicauda, Blgr., Cat. Batr. Grad., 1882, p. 64.

Long-tailed Spelerpes; Cave Salamander.

Range. U.S.A.

Fig. Ditmars, Amer. Mus. J., 1905, vol. 5, p. 175.

32. *Eurycea guttolineata* (Holbrook), N. Amer. Herpet., vol. 5, 1842, p. 29, pl. 7.

Spelerpes guttolineatus, Blgr., Cat. Batr. Grad., 1882, p. 65.

Striped Spelerpes.

Range. Southern U.S.A.

Genus **Aneides** Baird, Iconogr. Encycl., vol. 2, 1849, p. 257.

Anaides, Blgr., Cat. Batr. Grad., 1882, p. 52.

33. *Aneides lugubris* (Hallowell), Proc. Acad. Nat. Sci. Philad., vol. 4, 1849, p. 126.

Anaides lugubris, Blgr., Cat. Batr. Grad., 1882, p. 52.

Brown Salamander.

Range. Southern U.S.A.

Fig. Cope, U.S. Explor. Exp., 1858, pl. 1, fig. 26.

Genus **Hydromantes** Gistel, Naturges.,
1848, p. 11.

Spelerpes (part.) Blgr., Cat. Batr. Grad., 1882, p. 60.

34. *Hydromantes fuscus* (Bonap.), Fauna Ital., 1837,
fasc. 19.

Spelerpes fuscus, Blgr., Cat. Batr. Grad., 1882,
p. 69.

Brown Spelerpes; European Spelerpes.

Range. Italy; South France; Sardinia.

Fig. Schreiber, Herpet. Eur., 1912, p. 24.

Genus **Pseudotriton** Tschudi, Mem. Soc.
Sci. Nat. Neuchâtel, 1838, p. 60.

Spelerpes (part.), Blgr., Cat. Batr. Grad., 1882, p. 60.

35. *Pseudotriton ruber* (Sonnini), in Latr., Hist. Nat.
Rept., 1802, p. 305.

Spelerpes ruber, Blgr., Cat. Batr. Grad., 1882, p. 62.

Red Spelerpes; Red Salamander.

Range. U.S.A.

Fig. Ditmars, Amer. Mus. J., vol. 5, 1905, p. 176.

Family 8. AMBYSTOMIDÆ.

Genus **Ambystoma** Tschudi, Mem. Soc. Sci.
Nat. Neuchâtel, 1838, p. 92.

36. *Ambystoma macrodactylum* Baird, J. Acad. Nat. Sci.
Philad., vol. 1, 1849, p. 292.

Long-toed Salamander.

Range. U.S.A.

Fig. Ditmars, Amer. Mus. J., vol. 5, 1905, p. 169.

37. *Ambystoma maculatum* (Shaw), Gen. Zool., vol. 3,
1802, p. 304.

Amblystoma punctatum, Blgr., Cat. Batr. Grad.,
1882, p. 41.

Spotted Salamander.

Range. U.S.A.

Fig. Ditmars, Amer. Mus. J., 1905, p. 166.

38. *Ambystoma tigrinum* (Green), J. Acad. Nat. Sci. Philad., vol. 5, 1825, p. 116.
 Tiger Salamander; Axolotl (larval form).
 Range. U.S.A.
 Fig. E. G. Blgr., Rept. & Batr., 1914, p. 261;
 Ditmars, Amer. Mus. J., vol. 5, 1905, p. 167.

Genus **Dicamptodon** Strauch, Mem. Acad. Sci. St. Petersb. (7), vol. 16, 1870, p. 68.

39. *Dicamptodon aterrimus* (Cope), Proc. Acad. Nat. Sci. Philad., 1867, p. 201.
Amblystoma aterrimum, Blgr., Cat. Batr. Grad., 1882, p. 49.
 Rocky Mountains Salamander.
 Range. Northern Rocky Mountains.

Order III. SALIENTIA.

Sub-order AGLOSSA.

Families:

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Sub-order PHANEROGLOSSA.

2. Discoglossidae	287
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8. Ranidae	299
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AGLOSSA.

Family 1. PIPIDAE.

Genus **Xenopus** Wagler, Isis, 1827, p. 726.

40. *Xenopus laevis* (Daudin), Hist. Nat. Rain., 1803,
p. 85, pl. 30.
Smooth-clawed Xenopus.
Range. Tropical Africa.
Fig. Gadow, Amphib. & Rept., 1901, fig. 29. E. G.
Blgr., Rept. & Batr., p. 244.
41. *Xenopus muelleri* (Peters), Mon. Berl. Akad., 1844,
p. 37.
Müller's Xenopus.
Range. Tropical Africa.
Fig. Peters, Reise nach Mossambique, vol. 3, 1882,
pls. 25, 26.
42. *Xenopus gilli* Rose & Hewitt, Trans. R. Soc. S. Africa,
vol. 14, 1927, p. 343, pl. 16.
Gill's Xenopus.
Range. Cape of Good Hope.

Genus **Pipa** Laurenti, Syn. Rept., 1768, p. 25.

43. *Pipa pipa* (Linn.), Syst. Nat., 1758, p. 210.
Pipa americana, Blgr., Cat. Batr. Sal., 1882, p. 459.
Surinam Toad.
Fig. Gadow, Amphib. & Rept., 1901, fig. 30; Barbóur,
Rept. & Amphib., 1926, fig. 114.
Bred in the Gardens, 1 Dec., 1895.

PHANEROGLOSSA.

Family 2. DISCOGLOSSIDAE.

Genus **Discoglossus** Otth., Neue Denkschr.
Schweiz. Naturf. Ges., vol. 1, 1837, p. 6.

44. *Discoglossus pictus* Otth., Neue Denkschr. Schweiz.
Naturf. Ges., vol. 1, 1837, p. 6.

Painted Frog.

Range. S.W. Europe ; N.W. Africa.

Fig. Blgr., Tailless Batr. Eur., vol. 1, 1896, pl. 4.

Genus **Bombina** Oken, Lehrb. Zool., vol. 2, 1816, p. 207.
Bombinator, Blgr.

45. *Bombina bombina* (Linn.), Fauna Suec., 1761, p. 211.
Bombinator igneus, Blgr., Tailless Batr. Eur., vol. 1,
1896, p. 142, pls. 5, 6.

Fire-bellied Toad.

Range. Eastern Europe.

46. *Bombina salsa* (Schrank), Naturh. Briefe, vol. 1,
1785, p. 308.

Bombinator pachypus, Blgr., Tailless Batr. Eur.,
vol. 1, 1896, p. 151, pl. 6.

Yellow-bellied Toad.

Range. Europe.

Genus **Alytes** Wagler, Syst. Amphib., 1830,
p. 206.

47. *Alytes obstetricans* (Laur.), Syn. Rept., 1768, pp.
28, 128.

Midwife Toad.

Range. Europe.

Fig. Blgr., Tailless Batr. Eur., vol. 1, 1896, pl. 7.

Family 3. PELOBATIDAE

Genus **Pelobates** Wagler, Syst. Amphib.,
1830, p. 206.

48. *Pelobates fuscus* (Laurenti), Syn. Rept., 1768, pp. 28,
122.

Common Spade-Foot; Brown Mud-Frog.

Range. Europe.

Fig. Blgr., Tailless Batr. Eur., vol. 1, 1896, pl. 9.

49. *Pelobates cultripes* (Cuvier), Reg. An., 1829, p. 105.

Southern Spade-Foot; Southern Mud-Frog.

Range. W. and S. France; Spain.

Fig. Blgr., Tailless Batr. Eur., vol. 1, 1896, pl. 10.

Genus **Pelodytes** Fitz., in Bonap., Fauna
Ital., 1838, p. 23.

50. *Pelodytes punctatus* (Daudin), Hist. Nat. Rain., 1803,
p. 51, pl. 16.

Parsley Frog; Spotted Mud-Frog.

Range. France; Spain.

Fig. Blgr., Tailless Batr. Eur., vol. 1, 1896, pl. 8.

Genus **Megophrys** Kuhl & v. Hass., Isis, 1822,
p. 475.

Megalophrys, Blgr.

51. *Megophrys robusta* Blgr., P. Z. S., 1908, p. 418, pl. 24.

Himalayan Bull-Toad.

Range. Eastern Himalayas.

52. *Megophrys feae* Blgr., Ann. Mus. Civ. Genova (2),
vol. 4, 1887, p. 512.

Fea's Bull-Toad.

Range. Northern Burma; Tonkin.

Fig. Blgr., Ann. Mus. Civ. Genova, vol. 5, 1887, pl. 5.

Family 4. BUFONIDAE.

Genus **Bufo** Laurenti, Syn. Rept.
1768. p. 25.

53. *Bufo calamita* Laurenti, Syn. Rept., 1768, p. 27.
Natter-jack.
Range. England ; Europe.
Fig. Blgr., Tailless Batr. Eur., vol. 2, 1898, p. 236, pl. 13.
54. *Bufo boreas* Baird & Gir., Proc. Acad. Nat. Sci. Philad., vol. 6, 1852, p. 174.
Californian Toad.
Range. Western N. America.
Fig. Girard, U.S. Explor. Exp., 1858, pl. 5, fig. 4.
55. *Bufo viridis* Laurenti, Syn. Rept., 1768, p. 27, pl. 1.
Green Toad.
Range. Europe ; N. Africa ; Western Asia.
Fig. Blgr., Tailless Batr. Eur., vol. 2, 1898, p. 227, pls. 11, 12.
56. *Bufo mauritanicus* Schleg., in Wagn., Reis Alg., vol. 3, 1841, p. 134.
Moroccan Toad.
Range. N.W. Africa.
Fig. Blgr., P. Z. S., 1880, pl. 51.
57. *Bufo regularis* Reuss, Mus. Senckenb., vol. 1, 1834, p. 60.
Common African Toad.
Range. Africa.
Fig. Blgr., P. Z. S., 1880, pl. 52 ; Anderson, Zool. Egypt, vol. 1, 1898, pl. 50, fig. 3.
58. *Bufo latifrons* Blgr., P. Z. S., 1900, p. 435, pl. 27, fig. 7.
Thorny-flanked Toad.
Range. W. Africa.

59. *Bufo angusticeps* A. Smith, Ill. Zool. S. Afr., Rept., 1848, pl. 69.
Narrow-headed Toad.
Range. S. Africa.
60. *Bufo carens* A. Smith, Ill. Zool. S. Afr., Rept., 1848, pl. 68.
Slender Toad.
Range. South Africa.
61. *Bufo bufo* (Linn.), Syst. Nat., 1758, p. 210.
Bufo vulgaris, Blgr., Tailless Batr. Eur., vol. 2, 1898, p. 213, pl. 11.
Common European Toad.
Range. England; Europe; Temperate Asia.
62. *Bufo melanosticus* Schneid., Hist. Amphib., 1801, p. 216.
Common Asiatic Toad.
Range. Tropical Asia; Malaya.
Fig. Blgr., Fauna Malay Pen., Rept., 1912, p. 272, fig. 76.
63. *Bufo americanus* Holbrook, N. Amer. Herpet., vol. 1, 1836, p. 75, pl. 2.
Bufo lentiginosus (part.), Blgr. Cat. Batr. Sal., 1882, p. 308.
American Toad.
Range. Eastern N. America.
64. *Bufo fowleri* Garman, Bull. Essex Inst., vol. 16, 1884, p. 42.
Bufo lentiginosus (part.), Blgr., Cat. Batr. Sal., 1882, p. 310.
Fowler's Toad.
Range. U.S.A.
Fig. Dickerson, The Frog Book, 1906, p. 93, pl. 27.
65. *Bufo asper* Gravenh., Delic. Mus. Zool. Vratisl., 1829, p. 59.
Malayan Giant Toad.
Range. Malaya.
Fig. Schlegel, Abbild. Amphib., Atlas, 1839, pl. 20 (bad).

66. *Bufo arenarum* Hensel, Arch. Naturgesch., 1867, p. 148.
South American Sand Toad.
Range. Brazil; Argentine.
67. *Bufo marinus* (Linn.), Syst. Nat., 1758, p. 211.
Giant Toad.
Range. Tropical America.
Fig. U.S. Explor. Exp., 1858, pl. 5, fig. 1; pl. 6, fig. 1.
68. *Bufo crucifer* Weid, Reise Bras., vol. 2, 1821, p. 132.
Cross-backed Toad.
Range. Brazil.
Fig. Mir.-Rib., Arch. Mus. nac. Rio J., vol. 27, 1926, pl. 18.
69. *Bufo valliceps* Wiegmann, Isis, 1833, p. 657.
Helmet-headed Toad.
Range. Southern U.S.A.; Mexico.
Fig. Girard, U.S. Mex. Bound. Surv., vol. 2, 1859, pl. 40.
70. *Bufo canaliferus* Cope, Proc. Amer. Phil. Soc., vol. 17, 1877, p. 85.
Mexican Toad.
Range. Mexico.
- Genus **Rhinophrynus** Dum. & Bib., Erp. Gén., vol. 8, 1841, p. 127.
71. *Rhinophrynus dorsalis* Günth., Cat. Batr. Sal., 1858, p. 127, pl. 12.
Mexican Digger Toad.
Range. Mexico.
- Genus **Pseudophryne** Fitz., Syst. Rept., 1843, p. 32.
72. *Pseudophryne australis* (Gray), P. Z. S., 1835, p. 57.
Swan-River Toad.
Range. S.E. Australia.
Fig. Dum. & Bib., Erp. Gén., Atlas, 1854, pl. 100 (as *P. albifrons*).

Genus **Batrachophrynus** Peters, Mon. Berl.
Akad., 1873, p. 411.

73. *Batrachophrynus macrostomus* Peters, Mon. Berl.
Akad., 1873, p. 412, pl. 2.
South American Bull-Frog.
Range. Chili and Peru.

Family 5. HYLIDAE.

Genus **Hyla** Laurenti, Syn. Rept.,
1768, p. 32.

74. *Hyla arborea* (Linn.), Syst. Nat., 1758, p. 213.
European Tree-Frog.
Range. Europe ; Temperate Asia ; N. Africa.
Fig. Blgr., Tailless Batr. Eur., vol. 2, 1898, pls. 14, 15.
- Hyla arborea* var. *meridionalis* Boettger, Abh.
Senck. Ges., 1874, p. 66.
Canary Islands Hyla.
Range. Canary Islands ; Maderia.
75. *Hyla stephensi* Blgr., P. Z. S., 1887, p. 579, pl. 51.
Stephen's Hyla.
Range. Korea.
76. *Hyla cinerea* (Schneider), Hist. Amphib. vol. 1, 1799,
p. 174.
Hyla carolinensis, Blgr., Cat. Batr. Sal., 1882,
p. 377.
Carolina Tree-Frog.
Range. Southern U.S.A.
Fig. Dickerson, The Frog Book, 1906, pl. 51.

77. *Hyla crucifer* Wied, Reise Nord-Amer., vol. 1, 1838, p. 275.
Hyla pickeringii, Blgr., Cat. Batr. Sal., 1882 p. 399.
Spring-Peeper.
Range. U.S.A.
Fig. Cope, Bull. U.S. Nat. Mus., no. 34, 1889, fig. 88.
78. *Hyla versicolor* Le Conte, Ann. Lyc. Nat. Hist. N. York, vol. 1, 1825, p. 281.
Rain-Hyla; Rain-Toad.
Range. U.S.A.
Fig. Holbrook, N. Amer. Herpet., 1842, pl. 28; Cope, Bull. U.S. Nat. Mus., 1889, fig. 95.
79. *Hyla squirella* Latreille, Hist. Nat. Rept., vol. 2, 1802, p. 181.
Southern Hyla; Southern Tree-Frog.
Range. South-eastern U.S.A.
Fig. Dickerson, The Frog Book, 1906, p. 148, pl. lvi.
80. *Hyla gratiosa* Le Conte, Proc. Acad. Nat. Sci. Philad., 1856, p. 146, p. 4.
Florida Hyla; Florida Tree-Frog.
Range. Southern U.S.A.
Fig. Dickerson, The Frog Book, 1906, p. 124, pl. l. & col. pl. x.
81. *Hyla regilla* Baird & Gir., Proc. Acad. Nat. Sci. Philad., vol. 6, 1852, p. 174.
Pacific Coast Hyla.
Range. Western N. America.
Fig. Cope, Bull. U.S. Nat. Mus., 1889, fig. 89.
82. *Hyla andersoni* Baird, Proc. Acad. Nat. Sci. Philad., vol. 7, 1854, p. 60.
Anderson's Hyla.
Range. South Carolina.
Fig. Cope, Bull. U.S. Nat. Mus., no. 34, 1889, pl. 83.

83. *Hyla venulosa* (Laurenti), Syn. Rept., 1768, p. 31.
 Warty Hyla.
 Range. W. Indies.
 Fig. Spix, Sp. Nov. Ran. Brasil., 1824, col. pl. 12 (as *H. bufonia*).
84. *Hyla albomarginata* Spix, Sp. Nov. Ran. Brasil., 1824, p. 9, pl. 8.
 Spix's Hyla.
 Range. Tropical S. America.
85. *Hyla dominicensis* (Tschudi), Class. Batr., 1838, p. 30.
 Dominican Hyla.
 Range. W. Indies.
86. *Hyla rubra* Daudin, Hist. Nat. Rain., 1803, p. 26, pl. 9.
 Daudin's Hyla.
 Range. Brazil.
 Fig. Mir.-Rib., Arch. Mus. nac. Rio J., vol. 27, 1926, pl. 7.
87. *Hyla crepitans* Wied, Beitr. Naturg. Brasil., 1825, p. 525.
 Doumerc's Hyla.
 Range. Brazil.
88. *Hyla raddiana* Fitz., Neue Class., Rept., 1826, p. 63.
Hyla pulchella, Blgr., Cat. Batr. Sal., 1882, p. 375.
 White-lipped Hyla.
 Range. Brazil; Argentine.
 Fig. Bell, Zool. Beagle, Rept., 1842, pl. 19 (as *H. agrestis*).
89. *Hyla leucophyllata* Beiris, Schrift, Berl. nat. Freunde, vol. 4, 1873, p. 182, pl. 41.
 White-spotted Hyla.
 Range. Tropical S. America.
 Fig. Mir.-Rib., Arch. Mus. nac. Rio J., vol. 27, 1926, pl. 10.

90. *Hyla aurea* (Lesson), Voy. Coquille, Zool., vol. 2, 1830,
p. 60, pl. 7.
Golden Hyla.
Range. S. Australia ; Tasmania.
Fig. E. G. Blgr., Rept. & Batr., 1914, p. 225.
91. *Hyla ewingii* Dum. & Bib., Erp. Gén., vol. 8, 1841,
p. 597.
Ewing's Hyla.
Range. S. Australia ; Tasmania.
92. *Hyla krefftii* Günth., Ann. Mag. Nat. Hist. (3), vol. 11,
1863, p. 28, pl. 4.
Krefft's Hyla.
Range. S. Australia.
Fig. Günther, P. Z. S., 1863, pl. 30.
93. *Hyla peronii* (Tschudi), Class. Batr., 1838, p. 75.
Peron's Hyla.
Range. E. Australia ; Tasmania.
Fig. Günther, P. Z. S., 1863, pl. 30.
94. *Hyla citropus* (Tschudi), Class. Batr., 1838, p. 75.
Yellow-footed Hyla.
Range. E. Australia.
Fig. Keferst, Arch. Naturgesch., 1868, pl. 7.
95. *Hyla caerulea* White, J. New South Wales, App.,
1790, p. 248.
White's Hyla.
Range. E. Australia.
Figs. Keferst, Arch. Naturgesch., 1868, pl. 8 ; E. G.
Blgr., Rept. & Batr., 1914., p. 225.
96. *Hyla phyllochroa* Günth., P. Z. S., 1863, p. 251, pl. 30.
Leaf-green Hyla.
Range. E. Australia.

97. *Hyla goughi* E. G. Blgr., P. Z. S., 1911, p. 1082, pl. 64.
Gough's Hyla.
Range. Trinidad.
98. *Hyla blandsuttoni* Procter, P. Z. S., 1924, p. 1127, pl. 3.
Bland Sutton's Hyla.
Range. Queensland.

Genus **Acris** Dum. & Bib., Erp. Gén., 1841,
vol. 8, p. 506.

99. *Acris gryllus* (Le Conte), Ann. Lyc. Nat. Hist.
N. York, vol. 1, 1825, p. 282.
Cricket-Frog.
Range. U.S.A.
Fig. Dickerson, The Frog Book, 1906, pl. 58.

Genus **Pseudacris** Fitz., Syst. Rept., 1843, p. 31.

100. *Pseudacris feriarum* (Baird), Proc. Acad. Nat. Sci.
Philad., vol. 7, 1854, p. 60.
Chlorophilus nigrinus, Blgr., Cat. Batr. Sal., 1882,
p. 333.
Swamp Tree-Frog.
Range. U.S.A.
Fig. Dickerson, The Frog Book, 1906, pl. 58.

Genus **Phyllomedusa** Wagler, Syst. Amphib.,
1830, p. 201.

101. *Phyllomedusa dacnicolor* Cope, Proc. Acad. Sci.
Philad. 1864, p. 181.
Violet Hyla.
Range. Mexico.
102. *Phyllomedusa hypochondrialis* (Daudin), Hist.
Rain., 1803, p. 29, pl. 10.
Orange-legged Leaf-Frog.
Range. Brazil.
Fig. Blgr., P. Z. S., 1882, pl. 13.

103. *Phyllomedusa sauvagii* Blgr., Cat. Batr. Sal., 1882,
p. 429, pl. 29.
Sauvage's Leaf-Frog.
Range. Argentina.

Family 6. AMPHIGNATHODONTIDAE.

Family 7. LEPTODACTYLIDAE.

Genus **Pseudis** Laur., in Wagl., Syst. Amphib.
1830, p. 203.

104. *Pseudis paradoxa* (Linn.), Syst. Nat., 1758, p. 212.
Demerara Frog.
Range. Brazil.
Fig. Rib.-Mir., Arch. Mus. nac. Rio J., vol. 27, 1926,
col. pl. 2.

Genus **Calyptocephalus** Dum. & Bib., Erp.
Gén., vol. 8, 1841, p. 447.

105. *Calyptocephalus quoyi* (Tschudi), Class. Batr., 1838,
p. 81.
Calyptocephalus gayi, Blgr., Cat. Batr. Sal., 1882,
p. 189.
Gay's Frog.
Range. Tropical America.
Fig. Guichen, in Gay, Hist. Chile, vol. 9, 1848, pl. 6.

Genus **Eleutherodactylus** Dum. & Bib.,
Erp. Gén., vol. 8, 1841, p. 620.

106. *Eleutherodactylus martinicensis* (Tschudi), Class.
Batr., 1838, p. 77.
Hylodes martinicensis (part.), Blgr., Cat. Batr. Sal.,
1882, p. 214.
Madiana Tree-Frog.
Range. West Indies.
Fig. Peters, Mons. Berl. Acad., 1876, pl. 1.

Genus **Ceratophrys** Boie, in Wied., Abbild.
Naturg. Brasil., 1823, p. 569.

107. *Ceratophrys ornata* (Bell), Zool. Beagle, Rept., 1842,
p. 50, pl. 20.

Painted Escuerzo.

Range. Argentina.

Fig. Gadow, Amphib. & Rept., 1901, figs. 43, 44.

108. *Ceratophrys cornuta* (Linn.), Syst. Nat., 1758, p. 212.

Horned Escuerzo.

Range. Brazil.

Fig. E. G. Blgr., Rept. & Batr., 1914, p. 218.

109. *Ceratophrys cultripes* Reinh. & Lütck., Vidensk.
Med., 1861, p. 159.

Shovel-footed Escuerzo.

Range. Brazil.

Fig. Rib.-Mir., Arch. Mus. nac. Rio J., vol. 27, 1926,
pl. 17.

Genus **Pleurodema** Tschudi, Class. Batr.,
1838, p. 85.

110. *Pleurodema bibroni* Tschudi, Class. Batr., 1838,
p. 85.

Paludicola bibroni, Blgr., Cat. Batr. Sal., 1882,
p. 231.

Bibron's Frog.

Range. Chili.

Fig. Girard, U.S. Explor. Exp., Herp., 1858, pl. 4.

Genus **Leptodactylus** Fitz., Class. Rept.,
1826, p. 38.

111. *Leptodactylus ocellatus* (Linn.), Syst. Nat., 1758,
p. 211.

Whistling Frog ; Spotted Bladder-frog.

Range. Brazil.

Fig. Girard, U.S. Explor. Exp., Herp., 1858, pl. 3,
fig. 1.

112. *Leptodactylus pentadactylus* (Laur.), Syn. Rept., 1768, p. 32.

Slender-fingered Bladder-frog.

Range. Tropical S. America.

113. *Leptodactylus pygmaeus* (Spix), Sp. Nov. Ran. Brasil., 1824, p. 6, pl. 6.

Leptodactylus mystacinus, Blgr., Cat. Batr. Sal., 1882, p. 244.

Green Bladder-frog.

Range. Brazil.

Genus **Limnodynastes** Fitz., Syst. Rept., 1843, p. 31.

114. *Limnodynastes peronii* (Dum. & Bib.), Erp. Gén., vol. 8, 1841, p. 409.

Peron's Frog.

Range. W. Australia.

Fig. Arch. Naturgesch., 1868, pl. 5.

Genus **Crinia** Tschudi, Class. Batr., 1838, p. 78.

115. *Crinia signifera* Girard, Proc. Acad. Sci. Philad., 1853, p. 422.

Australian Pigmy Toad.

Range. S.E. Australia.

Fig. Keferst, Arch. Naturgesch., 1868, pl. 6 (as *C. varia*).

Family 8. RANIDAE.

Genus **Rana** Linn., Syst. Nat., 1758, p. 210.

116. *Rana cyanophlyctis* Schneider, Hist. Amphib., 1799, vol. 1, p. 137.

Water-Skipper.

Range. India; Siam.

Fig. Günth., P. Z. S., 1860, pl. 28 (as *D. adolphi*).

117. *Rana hexadactyla* Lesson, in Bélang., Voy. Or.,
Rept., 1834, p. 331.
Six-fingered Frog.
Range. Southern India ; Ceylon.
118. *Rana tigrina* Daudin, Hist. Rain., 1803, p. 64,
pl. 20.
Rana tigrina Blgr., Rec. Ind. Mus., vol. 20, 1920,
p. 17.
Indian Bull-Frog.
Range. India ; Indo-China.
Fig. Blgr., Fauna Brit. India, 1890, p. 449.
119. *Rana occipitalis* Günther, Cat. Batr. Sal., 1858,
p. 130, pl. 11.
African Bul-Frog.
Range. W. Africa.
120. *Rana esculenta* Linn., Syst. Nat., 1758, p. 212.
Edible Frog.
Range. England ; Europe.
Fig. Blgr., Tailless Batr. Eur., vol 2, 1898, p. 265,
col. pl. 17.
121. *Rana rugosa* Schleg., Fauna Japon., Rept., 1838,
p. 110, pl. 3.
Japanese Wart Frog.
Range. Japan.
122. *Rana temporaria* Linn., Syst. Nat., 1758, p. 212.
Common Frog
Range. England ; Europe ; Northern Asia.
Fig. Blgr., Tailless Batr. Eur., vol. 2, 1898, p. 301,
pl. 21.
123. *Rana latastei* Blgr., Bull. Soc. Zool. Fr., 1879, p. 180,
Lataste's Frog.
Range. Italy.
Fig. Blgr., Tailless Batr. Eur., vol. 2, 1898, p. 326,
col. pl. 23.

124. *Rana terrestris* Andrzejowski, N. Mém. Soc. Nat. Moscou, vol. 2, 1832, p. 342.
Rana arvalis, Blgr., Tailless Batr. Eur., vol. 2, 1898, p. 288, pl. 18.
 Field Frog.
 Range. Eastern Europe and Western Asia.
125. *Rana macrodon* Dum. & Bib., Erp. Gén., vol. 8, 1841, p. 382.
 Malayan Giant Frog.
 Range. Indo-China; Malaya.
 Fig. Blgr., Cat. Batr. Sal., 1882, pl. 1 (not good).
126. *Rana dalmatina* Fitz., Mem. Acc. Torino, 2, 1839, p. 249.
Rana agilis, Blgr., Tailless Batr. Eur., vol. 2, 1898, p. 332, pl. 24.
 Agile Frog.
 Range. Europe.
127. *Rana angolensis* Blgr., Cat. Batr. Sal., 1882, p. 50; and Trans. R. Soc. S. Africa, vol. 7, 1918, p. 131.
 Angola Frog.
 Range. S. and C. Africa.
128. *Rana mascarenjensis* Dum. & Bib., Erp. Gén., vol. 8, 1841, p. 350.
 Dumeril's Frog.
 Range. Tropical Africa.
 Fig. Anderson, Zool. Egypt, Rept., vol. 1, 1898, pl. 50, fig. 1.
129. *Rana fuscigula* Dum. & Bib., Erp. Gén., vol. 8, 1841, p. 386.
 Brown-throated Frog.
 Range. W., C., and S. Africa.
 Fig. Blgr., P.Z.S., 1894, pl. 39, fig. 1 (as *R. queckettii*).

130. *Rana grayi* A. Smith, Ill. Zool. S. Afr., Rept., 1849,
pl. 78, fig. 2.
Gray's Frog.
Range. S. Africa.
131. *Rana adpersa* Tschudi, Class. Batr., 1838, p. 84.
Speckled Frog.
Range. C. & S. Africa.
Fig. A. Smith, Ill. Zool. S. Afr., Rept., 1845, pl. 49.
132. *Rana catesbiana* Shaw, Gen. Zool., vol. 3, 1802,
p. 106, pl. 33.
American Bull-Frog.
Range. North America.
Fig. Dickerson, The Frog Book, 1906, p. 227, pls. 89-
90.
133. *Rana grylio* Stejneger, Proc. U.S. Nat. Mus., vol. 24,
1901, p. 212.
Southern Bull Frog.
Range. Southern U.S.A.
Fig. Dickerson, The Frog Book, 1906, p. 226, pl. 85.
134. *Rana aesopus* Cope, Proc. Amer. Phil. Soc., vol. 23,
1886, p. 517.
Rana areolata (part.), Blgr., Proc. Amer. Acad.
Arts & Sci., vol. 55, 1920, p. 465.
Gopher Frog.
Range. Southern U.S.A.
Fig. Dickerson, The Frog Book, 1906, p. 193, pl. 74.
135. *Rana areolata* Baird & Gir., Proc. Acad. Nat. Sci.
Philad., vol. 6, 1852, p. 173.
Rana areolata (part.), Blgr., Proc. Amer. Acad.
Arts & Sci. vol. 55, 1920, p. 465.
Rana capito, Blgr., Cat. Batr. Sal., 1882, p. 34.
Girard's Frog.
Range. Southern U.S.A.
Fig. Dickerson, The Frog Book, 1906, pl. 73.

136. *Rana pipiens* Schreber, Naturforscher, vol. 18, 1782, p. 185, pl. 4.
Rana halcina (part.), Blgr., Cat. Batr. Sal., 1882, p. 41.
 Leopard-Frog.
 Range. North America.
 Fig. Dickerson, The Frog Book, 1906, pl. 11.
137. *Rana palustris* Le Conte, Ann. Lyc. Nat. Hist. N. York, vol. 1, 1825, p. 282.
 Pickerel-Frog.
 Range. N. America.
 Fig. Dickerson, The Frog-Book, 1906, p. 188, pl. 72.
138. *Rana clamitans* Latreille, Hist. Nat. Rept., vol. 2, 1802, p. 137.
Rana clamata, Blgr., Catr. Batr. Sal., 1882, p. 36.
 Spring-Frog.
 Range. North America.
 Fig. Dickerson, The Frog Book, 1906, p. 198, pl. 13, fig. 1.
139. *Rana boylei* Baird, Proc. Acad. Sci. Philad., vol. 7, 1854, p. 62.
 Yellow-legged Frog.
 Range. California.
 Fig. Dickerson, The Frog Book, 1906, p. 221, pl. 84.
140. *Rana sphenoccephala* (Cope), Proc. Amer. Phil. Soc., vol. 23, 1886, p. 517.
Rana halcina (part.), Blgr., Cat. Batr. Sal., 1882, p. 41.
 Southern Leopard-Frog.
 Range. South-eastern U.S.A.
 Fig. Dickerson, The Frog Book, 1906, pls. 59 & 60.
141. *Rana sylvatica* Le Conte, Ann. Lyc. Nat. Hist. N. York, vol. 1, 1825, p. 282.
 Eastern Wood-Frog.
 Range. Canada; U.S.A.
 Fig. Dickerson, The Frog Book, 1906, p. 205, pl. 78.

142. *Rana septentrionalis* Baird, Proc. Acad. Nat. Sci. Philad., vol. 7, 1854, p. 61.
Mink-Frog; Northern Frog.
Range. Northern U.S.A.; Canada.
Fig. Cope, Bull. U.S. Nat. Mus., 1889, pl. 86.

Genus **Rhacophorus** Kuhl & Van Hasselt,
Isis, 1822, p. 475.

143. *Rhacophorus maculatus* (Gray), Ill. Ind. Zool., vol. 1, 1832, pl. 82, fig. 1.
Chunam Frog.
Range. India.
144. *Rhacophorus leucomystax* (Gravenh.), Delic. Mus. Vratisl., 1829, p. 26.
Common Malayan Tree-Frog.
Range. Malaya; Indo-China.
Fig. Van Kampen, Amphib. Indo-Austral. Arch., 1923, fig. 27.
145. *Rhacophorus buergeri* (Schleg.), Fauna Japon., Rept., 1838, p. 113.
Buerger's Tree-Frog.
Range. Japan.
Fig. Stejneger, Herpet. Japan, 1907, pl. 12.

Genus **Chiromantis** Peters, Arch. Naturgesch., 1855, p. 56.

146. *Chiromantis xerampelina* Peters, Arch. Naturgesch., 1855, p. 56.
Braided Tree-Frog.
Range. E. & S. Africa.

Genus **Hyperolius** Rapp, Arch. Naturgesch.,
1842, p. 289.

Rappia, Blgr., Cat. Batr. Sal., 1882, p. 119.

147. *Hyperolius horstockii* (Schleg.), Abbild. Amphib.,
1837, p. 24.

Rappia horstockii, Blgr., Cat. Batr. Sal., 1882,
p. 120.

Horstock's Tree-Frog.

Range. S. Africa; Madagascar.

148. *Hyperolius argus* Peters, Arch. f. Naturg., 1855,
p. 57.

Rappia argus, Blgr., Cat. Batr. Sal., 1882, p. 122.

Argus-eyed Tree-Frog.

Range. East Africa.

149. *Hyperolius marmoratus* Rapp, Arch. Naturgesch.,
1842, p. 289, pl. 6.

Rappia marmorata, Blgr., Cat. Batr. Sal., 1882,
p. 121.

Marbled Tree-Frog.

Range. Tropical Africa.

150. *Hyperolius concolor* (Hallow.), Proc. Acad. Philad.,
1844, p. 60.

Rappia concolor, Blgr., Cat. Batr. Sal., 1882,
p. 124.

Hallowell's Tree-Frog.

Range. Tropical Africa.

151. *Hyperolius puncticulatus* Pfeff., Jahrb. Hamburg
Wiss. Aust., vol. 10, 1893, p. 99, pl. 2.

Pfeffer's Tree-Frog.

Range. Tanganyika Territory.

Fig. Procter, P. Z. S., 1920, p. 415, text-fig.

Genus **Arthroleptis** A. Smith, Ill. Zool. S. Afr.,
Rept., App., 1849, p. 24.

152. *Arthroleptis minutus* Blgr., P. Z. S., 1895, p. 539,
pl. 30.
Smith's Pigmy Frog.
Range. Somaliland.

Genus **Megalixalus** Günther, P. Z. S., 1868,
p. 485.

153. *Megalixalus fornasinii* (Banc.), Spec. Zool. Mos-
samb., Rept., 1850, pl. 5, fig. 1.
Fornasin's Tree-Frog.
Range. Tropical E. Africa.
Fig. Noble, Bull. Amer. Mus. Nat. Hist., 1924,
vol. 49, pl. 41.

154. *Megalixalus loveridgii* Procter, P. Z. S., 1920,
p. 418, fig.
Loveridge's Tree-Frog.
Range. Tanganyika Territory.

Genus **Hylambates** Duméril, Ann. Sci. Nat. (3),
vol. 19, 1853, p. 162.

155. *Hylambates maculatus* Dum., Ann. Sci. Nat. (3),
vol. 19, 1853, p. 165, pl. 7.
Spotted Tree-Frog.
Range. E. Africa.
156. *Hylambates johnstoni* Blgr., P. Z. S., 1897, p. 803,
pl. 46, fig. 4.
Johnston's Tree-Frog.
Range. E. Africa.

157. *Hylambates bocagii* (Günther), P. Z. S., 1864,
p. 481, pl. 33.
Bocage's Tree-Frog.
Range. Tropical E. Africa.

Genus **Dendrobates** Wagler, Syst. Nat.
Amphib., 1838, p. 202.

158. *Dendrobates typographicus* Keferst, Gotting.
Nachr., 1867, p. 300, pl. 8.
Scarlet Poison-Frog.
Range. Central America.
159. *Dendrobates tinctorius* (Schneid.), Hist. Amphib.,
1799, p. 175.
South American Poison-Frog.
Range. Tropical America.
Fig. Barbour, Rept. & Amphib., 1926, fig. 122 ;
Gadow, Amphib. & Rept., 1901, fig. 53.

Family 9. BREVICIPITIDAE.

Genus **Kaloula** Gray, Zool. Misc., 1842, p. 38.

160. *Kaloula pulchra* Gray, Zool. Misc., 1842, p. 38.
Malayan Bull-Frog.
Range. Malaya ; Indo-China.
Fig. Blgr., Fauna Malay Pen., Rept., 1912, p. 264,
fig. 73.

Genus **Breviceps** Merrem, Tent. Syst. Amphib.,
1820, p. 178.

161. *Breviceps gibbosus* (Linn.), Syst. Nat., 1758, p. 211.
Pig-Toad.
Range. S. Africa.

- Genus **Phrynomerus** Noble, Amer. Mus. Nov.,
1926, no. 212, p. 20.
- Phrynomantis* (part.), Blgr., Cat. Batr. Sal., 1882,
p. 172.
162. *Phrynomerus bifasciata* (A. Smith), Ill. Zool.
S. Afr., Rept., 1847, pl. 63.
Phrynomantis bifasciata, Blgr., Cat. Batr. Sal.,
1882, p. 172.
Orange-banded Wood-Toad.
Range. S. Africa.
163. *Phrynomerus microps* (Peters), Mon. Berl. Akad.,
1875, p. 210, pl. 4.
Phrynomantis microps, Blgr., Cat. Batr. Sal.,
1882, p. 173.
Pigmy Wood-Toad.
Range. W. Africa.
- Genus **Hemisis** Günther, Cat. Batr. Sal.,
1858, p. 47.
164. *Hemisis guttatum* (Rapp), Arch. Naturgesch.,
1842, p. 290, pl. 6.
Spotted Pug-Frog.
Range. S.E. Africa.
165. *Hemisis marmoratum* (Peters), Arch. Naturgesch.,
1855, p. 58.
Pug-faced Frog.
Range. Tropical Africa.
Fig. Noble, Bull. Amer. Mus. Nat. Hist., vol. 49,
1924, pl. 42.

Genus **Phrynisus** Wiegmann, Nov. Act.,
1834, p. 264.

166. *Phrynisus nigricans* Weigm., Nov. Act., 1834,
p. 264.

Argentine Dwarf-Toad.

Range. Argentina.

Fig. E. G. Blgr., Rept. & Batr., 1914, p. 215.

Genus **Gastrophryne** Fitz., Syst. Rept.,
1843, pl. 33.

167. *Gastrophryne carolinensis* (Holbrook), N. Amer.
Herpet., 1836, vol 1, p. 83, pl. 11.

Engystoma carolinensis, Blgr., Cat. Batr. Sal.,
1882, p. 162.

Narrow-mouthed Toad.

Range. Southern U.S.A.

Fig. Dickerson, The Frog Book, 1906, p. 166, pl. 60.

Genus **Rhinoderma** Dum. & Bib., Erp. Gén.
vol. 8, 1841, p. 657.

168. *Rhinoderma darwini* Dum. & Bib., Erp. Gén.,
vol. 8, 1841, p. 659.

Darwin's Dwarf-Frog.

Range. Argentina.

Fig. E. G. Blgr., Rept. & Batr., 1914, p. 215.

PISCES.

BY

E. G. BOULENGER, F.Z.S.

(Director of the Aquarium.)

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PETROMYZONIDAE.

Petromyzon Linnaeus, Syst. Nat. 1758.1. *Petromyzon marinus* Linnaeus, Syst. Nat. 1758.

Sea Lamprey.

Coasts and rivers of Europe and N. America.

Fig. Regan, British Freshwater Fishes, 1911, pl. i.**Lampetra** Gray, P. Z. S. 1851, p. 237.2. *Lampetra fluviatilis* (Linnaeus), Syst. Nat. 1758.*Petromyzon fluviatilis*, List of Animals, 1896.

River Lamprey or Lampern.

Coasts and rivers of Europe, Siberia, and Western N. America.

Figs. Regan, British Freshwater Fishes, 1911, pl. i.

Walter, Süßwasser Fische, 1913, coloured pl. i.

3. *Lampetra planeri* Bloch, Nat. Fische Deutschl. iii, 1784, p. 47.

Petromyzon branchialis, List of Animals, 1896.

Brook Lamprey.

Streams of Europe, Siberia, and Japan.

Fig. Regan, British Freshwater Fishes, 1911, p. 12, fig. 2.

Sub-class SELACHII.

Orders :

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1. Pleurotremata	314
2. Hypotremata	315
3. Holocephali	316

Order PLEUROTREMATA.

Families :

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1. Chlamydoselachidae	—	7. Carchariidae	—
2. Hexanchidae	—	8. Cestraciontidae ..	—
3. Odontaspidae	—	9. Pristiophoridae ..	—
4. Lamnidae	—	10. Squalidae	315
5. Orectolobidae	—	11. Squatinidae	315
6. Scyliorhinidae	314		

SCYLIORHINIDAE.

Scyliorhinus Blainville, Journ. Phys. 1816, p. 263.

4. *Scyliorhinus canicula* (Linnaeus), Syst. Nat. 1758.

Scyllium canicula, List of Animals, 1896.

Small Spotted Dogfish.

European Seas.

Fig. Day, British Fishes, 1880-1884, ii, fig. 1, pl. clxix.

Frequently bred in the Aquarium. Young have never survived more than six months.

5. *Scyliorhinus stellaris* (Linnaeus), Syst. Nat. 1758.
Scyllium stellare, List of Animals, 1896.
 Nurse-Hound.
 European Seas.
Fig. Day, British Fishes, 1880-1884, ii, fig. 2, pl. clix.
 Bred in the Aquarium, but young were not reared to maturity.

SQUALIDAE.

Squalus Linnaeus, Syst. Nat. 1758.

6. *Squalus acanthias* Linnaeus, Syst. Nat. 1758.
Acanthias vulgaris, List of Animals, 1896.
 Picked Dogfish.
 Temperate Seas, Northern and Southern Hemispheres.
Fig. Day, British Fishes, 1880-1884, ii, fig. 2, pl. clx.

SQUATINIDAE.

Squatina Duméril, Zool. Anal. 1806, p. 102.

7. *Squatina squatina* (Linnaeus), Syst. Nat. 1758.
 • *Rhina squatina* Günther, B. M. Cat. Fishes, viii, 1870, p. 430.
 Monk-Fish.
 Temperate and Tropical Seas.
Figs. Day, British Fishes, 1880-1884, ii, pl. clxiii.

Order HYPOTREMATA.

Families:

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1. Narcobatidae	316	5. Dasybatidae	316
2. Rhinobatidae	—	6. Myliobatidae	—
3. Pristidae	—	7. Mobulidae	—
4. Raïidae	316		

NARCOBATIDAE.

- Narcobatus** Blainville, Prodrôme Nouvelle Distrib.
Syst. du Règne Animal., Bull. Soc.
Philomatique, 1816, p. 121.
8. *Narcobatus torpedo* (Linnaeus), Syst. Nat. 1758.
Torpedo marmorata Günther, B. M. Cat. Fishes, viii.
1870, p. 448.
Electric Ray.
Mediterranean, Eastern Atlantic, India Ocean.
Fig. Day, British Fishes, 1880–1884, ii. pl. clxv.

RAIIDAE.

- Raja** Linnaeus, Syst. Nat. 1758.
9. *Raja clavata* Linnaeus, Syst. Nat. 1758.
Thornback Ray.
Coasts of Europe.
Fig. Day, British Fishes, 1880–1884, ii, pl. clxxi.
10. *Raja maculata* Montagu, Wernerian Mem. ii. 1812,
p. 426.
Spotted Ray.
Coasts of Europe.
Fig. Day, British Fishes, 1880–1884, ii, pl. clxxii.

DASYBATIDAE.

- Dasybatis** Serville, Faune Française, 1829, p. 12.
11. *Dasybatis pastinaca* (Linnaeus), Syst. Nat. 1758.
Trygon pastinaca Günther, B. M. Cat. Fishes, viii.
1870.
Common Sting-Ray.
Coasts of Europe, America, China, and Japan.
Fig. Day, British Fishes, 1880–1884, ii, pl. clxxvi.

Order HOLOCEPHALI.

Family :

Chimaeridae

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Sub-class TELEOSTOMI.

Orders :

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1. Palaeopterygii.....	317	15. Allotriognathi	350
2. Cladistia	318	16. Solenichthyes	351
3. Ginglymodi	319	17. Berycomorphi.....	352
4. Isospondyli	320	18. Zeomorphi	353
5. Haplomi	324	19. Percomorphi	353
6. Iniomi	324	20. Discocephali	381
7. Lyomeri	325	21. Scleroparei	381
8. Ostariophysi	325	22. Hypostomides	384
9. Apodes	340	23. Heterosomata	384
10. Heteromi	341	24. Plectognathi	386
11. Synentognathi	341	25. Xenopterygii	388
12. Myrcocyprini	342	26. Symbranchii	388
13. Salmopereae	349	27. Pediculati	389
14. Anacanthini	349	28. Ophisthomi	389

Order PALAEOPTERYGII.

Families :

	Page
1. Acipenseridae	317
2. Polyodontidae	—

ACIPENSERIDAE.

Acipenser Linnaeus, Syst. Nat. 1758.

12. *Acipenser sturio* Linnaeus, Syst. Nat. 1758.

Common Sturgeon.

European Seas and Atlantic Coast of N. America.

Figs. Day, British Fishes, 1880-1884, ii, pl. cl.

Walter, Süßwasser Fische, 1913, coloured pl. 2.

13. *Acipenser ruthenus* Linnaeus, Syst. Nat. 1758.
 Sterlet.
 Rivers of Eastern Europe.
Fig. Seeley, Freshwater Fishes of Europe, 1886,
 fig. 177.
 Sterlets presented to Capt. J. A. M. Vipan by the
 Czar of Russia in 1888 are still alive in his aquarium
 at Sibbingdon Hall, Northamptonshire.

Order CLADISTIA.

Families :

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1. Polypteridae.....	318
2. Erpetoichthyidae.....	318
3. Amiidae.....	319

POLYPTERIDAE.

Polypterus Geoffroy, Ann. Mus. Paris,
 i, 1802, p. 57.

14. *Polypterus senegalus* Cuvier, Règne Anim. ii, 1829,
 p. 330.
 Sail-finned Fish.
 Tropical Africa.
Figs. Anderson, Zoology of Egypt, 1907, pl. iii.
Literature. Budgett, Proc. Cambr. Philos. Soc. x, 1900,
 p. 236 ; and P. Z. S. 1903, i, p. 10. (Habits.)

ERPETOICHTHYIDAE.

Erpetoichthys J. A. Smith, Proc. R. Phys.
 Soc. Edinb. 1865, p. 273.

15. *Erpetoichthys calabaricus* J. A. Smith, Proc. R.
 Phys. Soc. Edinb. 1865, p. 273.
Calamoichthys calabaricus.

Reed Fish.

Rivers of West Africa.

Fig. Boulenger, B. M. Cat. Freshwater Fishes of Africa, i, 1909, p. 18, fig. 13.

AMIIDAE.

Amia Linnaeus, Syst. Nat. 1766.

16. *Amia calva* Linnaeus, Syst. Nat. 1766.

Bowfin.

Lakes and swamps of N. America.

Figs. Camb. Nat. Hist., Fishes, fig. 295.

Literature. Bashford Dean, Q. J. M. S. 1906, xxxviii.
p. 413. (Habits.)

One of these fish lived 14 years 7 months (1901-1914)
in a small tank in the old Fish House.

Order GINGLYMODI.

LEPISOSTEUS.

Lepisosteus Lacépède, Hist. Nat. Poissons,
v, 1803.

17. *Lepisosteus osseus* (Linnaeus), Syst. Nat. 1758.

Lepidosteus osseus.

Long-nosed Gar-Pike.

Fresh waters of the Eastern United States: N. E.
Mexico.

Fig. Jordan, Guide to the Study of Fishes, ii, 1905,
fig. 18.

Order ISOSPONDYLI.

Families :		Page	Page
1. Elopidae	—	16. Galaxiidae	322
2. Albulidae	—	17. Haplochitonidae	—
3. Clupeidae	320	18. Gonostomatidae	—
4. Alepocephalidae	—	19. Sternoptychidae	—
5. Chanidae	—	20. Astronesthidae	—
6. Kneriidae	—	21. Chauliodontidae	—
7. Phractolaemidae	—	22. Stomiidae	—
8. Cromeriidae	—	23. Malacosteidae	—
9. Salmonidae	320	24. Osteoglossidae	—
10. Opisthoptocidae	—	25. Pantodontidae	323
11. Argentinidae	—	26. Hiodontidae	—
12. Microstomidae	—	27. Notopteridae	323
13. Osmeridae	322	28. Mormyridae	—
14. Retropinnatidae	—	29. Gonorhynchidae	—
15. Salangidae	—		

CLUPEIDAE.

Clupea Linnaeus, Syst. Nat. 1758.

18. *Clupea harengus* Linnaeus Syst. Nat. 1758.

Herring.

Arctic Ocean, Northern Atlantic, Channel, Baltic, and Northern Pacific.

Fig. Day, British Fishes, 1880-1884, ii, pl. cxxxifi, fig. 2.

Literature. Hardy & Hodgson, Ministry of Agric. & Fish., Fishery Invest., Series ii, (7) 1924, No. 3, and Series ii, (7) 1925, No. 8. (Investigations into feeding-habits, age, length, and maturity.)

SALMONIDAE.

Salmo Linnaeus, Syst. Nat. 1758.

19. *Salmo salar* Linnaeus, Syst. Nat. 1758.

Salmon.

N. Atlantic Ocean and rivers of Western Europe and N. America.

Fig. Malloch, Life-history and Habits of the Salmon, Sea-Trout, and other Freshwater Fish, 1910, figs. 1-120.

20. *Salmo trutta* Linnaeus, Syst. Nat. 1758.

Salmo fario, List of Animals, 1896.

Common Trout.

European and Eastern Asiatic coasts, rivers, and streams.

Fig. Malloch, Life-history and Habits of the Salmon, Sea-Trout, and other Freshwater Fish, 1910, figs. 121-199.

21. *Salmo irideus*, Gibbons, Proc. Cal. Ac. Nat. Sc. 1855, p. 36.

Rainbow Trout.

Rivers of Western N. America.

Fig. Jordan & Evermann, American Food and Game Fishes, 1902, fig. p. 194.

Salvelinus Nilsson, Richardson's Fauna
Boreali-Americana, 1836.

22. *Salvelinus umbla* (Linnaeus), Syst. Nat. 1758.

Swiss Charr.

Lakes of Switzerland.

Fig. Seeley, Freshwater Fishes of Europe, 1886, fig. 162.

23. *Salvelinus fontinalis* Mitchell, Trans. Lit. & Phil. Soc. New York, i, 1814, p. 435

Salmo fontinalis, List of Animals, 1896.

Common American Charr.

Rivers and lakes of North America.

Fig. Jordan & Evermann, American Food and Game Fishes, 1902, fig. p. 207.

Salvelinus fontinalis × *Salmo trutta*.

Hybrid Common American Charr and Common Trout.
Bred in Scotland.

24. *Salvelinus namaycush* J. J. Walbaum, Artedi, Ichth. (3) ed. 2, 1792, p. 68.
Great Lake Trout.
Lakes of North America.
Fig. Jordan & Evermann, American Food and Game Fishes, 1902, fig. p. 203.

Thymallus Cuvier, Règne Anim. 1817, p. 420.

25. *Thymallus thymallus* (Linnaeus), Syst. Nat. 1758.
Thymallus vulgaris, List of Animals, 1896.
Grayling.
Fresh waters of Northern and Central Europe.
Fig. Maxwell, Woburn Library, British Freshwater Fish, 1904, pl. xi.

OSMERIDAE.

Osmerus Linnaeus, Syst. Nat. 1758.

26. *Osmerus eperlanus* Linnaeus, Syst. Nat. 1758.
Smelt.
Coasts of Northern and Central Europe.
Fig. Day, British Fishes, ii, pl. cxxi, 1880-1884, fig. 1.

GALAXIIDAE.

Galaxias Cuvier, Règne Anim. 1817, p. 183.

27. *Galaxias attenuatus* Jenyns, Zool. Beagle, Fishes, 1842, p. 121.
Australian "Trout."
Fresh waters of Australia.
Fig. Jenyns, Zool. Beagle, Fishes, 1842, pl. 22, fig. 5.

Neochanna Günther, Ann. & Mag. Nat. Hist.
xx, 1867, p. 305.

28. *Neochanna apoda* Günther, Ann. & Mag. Nat. Hist.
xx, 1867, p. 305.

New Zealand Mud-Fish.

Fresh waters of New Zealand.

Figs. Hutton, Fish. N. Zealand, 1872, pl. x, fig. 97.
Phillips, N. Zealand J. Sci. Tech. vii, 1924, fig. p. 62.

PANTODONTIDAE.

Pantodon Peters, Monatsb. Akad. Wiss.
Berlin, 1876, p. 196.

29. *Pantodon buchholzi* Peters, Monatsb. Akad. Wiss.
Berlin, 1876, p. 1895.

Butterfly Fish.

Fresh waters of West Africa.

Fig. Boulenger, B. M. Cat. Freshwater Fishes of Africa,
i, 1909, p. 152, fig. 122.

Specimens exhibited in the Gardens remained on the
surface of the water. They were fed entirely on flies
and mosquitos.

NOTOPTERIDAE.

Notopterus Lacépède, Hist. Nat. Poissons,
ii, 1800, p. 189.

30. *Notopterus kaperat* Lacépède, Hist. Nat. Poissons,
ii, 1800, p. 190.

Razor-finned Fish.

Fresh waters of India.

Fig. Day, Fishes of India, 1878, pl. clix, fig. 4.

Order HAPLOMI.

Families :

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1. Esocidae	324
2. Umbridae.....	324
3. Dallidae	—

ESOCIDAE.

Esox Linnaeus, Syst. Nat. 1758.

31. *Esox lucius* Linnaeus, Syst. Nat. 1758.

Pike.

Fresh waters of Europe, Northern Asia, and northern N. America.

Fig. Maxwell, Woburn Library, British Freshwater Fish, 1904, coloured pl. viii, p. 163.

UMBRIDAE.

Umbra Gronovius, Zoophyl. 1763, p. 114.

32. *Umbra krameri* Müller, Abhandl. Akad. Wiss. Berlin, 1842, p. 188.

Freshwater Dog-Fish.

Fresh waters of Central Europe.

Fig. Seeley, Freshwater Fishes of Europe, 1886, fig. 89, p. 366.

Order INIOMI.

Families :

1. Aulopidae.	6. Omosudidae.
2. Synodontidae.	7. Alepedosauridae.
3. Sudidae.	8. Ateleopidae.
4. Myctophidae.	9. Giganturidae.
5. Scopelarchidae.	

Order LYOMERI.

Families :

Eupharyngidae. | 2. Saccopharyngidae.

Order OSTARIOPHYSI.

Sub-orders :

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1. Cyprinoidea	325
2. Siluroidea	336

Sub-order CYPRINOIDEA.

Families :

	Page		Page
1. Characidae	325	8. Sternarchidae	—
2. Gastropolecidae	—	9. Gymnotidae	329
3. Xiphostomatidae	—	10. Electrophoridae	329
4. Anostomidae	328	11. Catostomidae	—
5. Hemiodontidae	—	12. Cyprinidae	329
6. Citharinidae	—	13. Cobitidae	336
7. Rhamphichthyidae	—	14. Homalopteridae	—

CHARACIDAE.

Pyrrhulina Cuvier & Valenciennes, Hist. Nat.
Poissons, xix, 1846, p. 535.

33. *Pyrrhulina brevis* Steindachner, Sitzungsber. Akad.
Wien, lxxxii, 1876, p. 11.

Spotted-finned Fish.

Amazon River.

Fig. Steindachner, Sitzungsber. Akad. Wien, lxxxii,
1876, pl. i, figs. 3 & 4.

Copeina Fowler, Proc. Acad. Philad.
1906, p. 294.

34. *Copeina guttata* (Steindachner), Sitzungs. Akad.
Wien, lxxii, 1876, p. 15.
Pale Blue Fish.
Amazon River.
Fig. Steindachner, Sitzungs. Akad. Wien, 1876, lxxii,
pl. ii, fig. 6.
35. *Copeina arnoldi* Regan, Ann. & Mag. Nat. Hist. x,
1912, p. 393.
Arnold's Slender Fish.
Amazon River.
Fig. Stausch, Exotischen Zierfische, 1914, fig. p. 273.

Tetragonopterus Cuvier, Règne Anim. ii,
1817, p. 166.

36. *Tetragonopterus fasciatus* Cuvier, Mém. Mus. v,
1819, p. 352.
Red-Eyed Fish.
Rivers of Central and Northern South America.
Fig. Jenyns, Zool. Beagle, Fishes, 1842, pl. 23, fig. 2.

Hemigrammus Gill, Ann. Lyceum Nat. Hist.
N.Y. vi, 1858, p. 416.

37. *Hemigrammus unilineatus* Gill, Ann. Lyceum Nat.
Hist. N.Y. vi, 1858, p. 60.
Transparent Fish.
Rivers of Central and Northern South America.
Fig. Eigenmann, Freshwater Fishes of British Guiana,
v, 1912, pl. xlvi, fig. 1.
38. *Hemigrammus ocellifer* Steindachner, Flussfische
Südamerika's, iv, 1882, p. 32.
Beacon Fish.
Rivers of Northern South America.
Fig. Eigenmann, Freshwater Fishes of British Guiana,
v, 1912, pl. xlvi, fig. 4.

Astyanax Baird & Girard, Proc. Acad. Nat. Sci. Philad. 1854, p. 26.

39. *Astyanax mexicanus* Filippi, Rev. Mag. Zool. 1853, p. 166.

Mexican River Fish.

Fresh waters of Mexico.

Fig. Regan, Biol. Centr.-Amer., Fishes, 1906-1908, pl. xxvi, figs. 2 & 3.

Hyphessobrycon Durbin, Bull. M. C. Z. 1908, (52) p. 100.

40. *Hyphessobrycon flammeus* Myers, Fish Culturist (4), 1924, p. 330.

Flame Fish.

Fresh waters of Brazil.

Fig. Portielje, Mijn Aquarium, 1925, p. 72, coloured fig. 88 (*H. bifasciatus*).

Pristella Eigenmann, Bull. Mus. Comp. Zool. Harvard Coll. lii, 1908, p. 99.

41. *Pristella riddlei* (Meek), Proc. U.S. Nat. Mus. 1907, p. 11.

Translucent Fish.

Venezuela, Guiana, and Lower Amazon.

Fig. Eigenmann, Mem. Mus. Comp. Zool. xliiii, 1908, pt. 2, pl. 13, fig. 2.

Aphycharax Günther, P. Z. S. 1868, p. 245.

42. *Aphycharax rubropinnis* Pappenheim, Sitzungsber. Ges. natf. Freunde, Berlin, 1921, p. 36.

Red-tailed Fish.

Rivers of La Plata.

Fig. Rachow, Trop. Aquar. Cat. 1927, col. pl. xi.

Ctenobrycon Eigenmann, Bull. Mus. Comp.
Zool. Harvard Coll. lii, 1908, p. 94.

43. *Ctenobrycon spilurus* (Cuvier & Valenciennes), Hist.
Nat. Poissons, xxii, 1849, p. 156.
Knife Fish.
Fresh waters of Tropical S.E. America.
Fig. Rachow, Trop. Aquar. Cat. 1927, pl. v.

Metynnis Cope, Proc. Amer. Phil. Soc. xvii,
1878, pp. 673-701.

44. *Metynnis maculatus* (Kner), Denkschr. K. Ak. Wiss.
Wien, xviii, 1860, p. 26.
Moon Fish.
Fresh waters of Tropical America.
Figs. Bade, Süßwasser Aquar. 1923, p. 368, fig. 295.
Kner, Denkschr. K. Ak. Wiss. Wien, xviii, 1860,
pl. ii, fig. 5.

ANOSTOMIDAE.

Anostomus Gronovius, Zoophyl. i, 1763, p. 122.

45. *Anostomus trimaculatus* (Kner), Denkschr. K. Ak.
Wiss. Wien, xvii, 1859, p. 161.
Three-spotted Fish.
Fresh waters of Brazil.
Fig. Kner, Denkschr. K. Ak. Wiss. Wien, xvii, 1859,
pl. 5, fig. 12.

Pseudocorynopoma Perugia, Ann. Mus. Civ.
Storia Nat. Genova, x, 1891 (2), p. 605.

46. *Pseudocorynopoma doriae* Perugia, Ann. Mus. Civ.
Storia Nat. Genova, x, 1891 (2), p. 646.
Dragon-finned Fish.
Fresh waters of Brazil.
Fig. Perugia, Ann. Mus. Civ. Storia Nat. Genova, x,
1891 (2), fig. p. 647.

GYMNOTIDAE.

Gymnotus Linnaeus, Syst. Nat. 1766.

47. *Gymnotus fasciatus* Pallas, Spicil. Zool. vii, 1767,
p. 35.
South American Razor Fish.
Fresh waters of Tropical S.E. America.
Fig. Rachow, Trop. Aquar. Cat. 1927, pl. cvi, fig. 2.

ELECTROPHORIDAE.

Electrophorus Gill, Proc. Acad. Nat. Sci.
Philad. xvi, 1864, p. 151.

48. *Electrophorus electricus* (Linnaeus), Syst. Nat. 1766.
Gymnotus electricus, List of Animals, 1896.
Electric Eel.
Fresh waters of Brazil and the Guianas.
Fig. G. St. Hilaire, Ann. Mus. d'Hist. Nat. i, 1802,
pl. p. 15.

CYPRINIDAE.

Danio Hamilton-Buchanan, Fishes Ganges,
1822, p. 390.

49. *Danio rerio* Hamilton-Buchanan, Fishes Ganges, 1822,
pp. 323, 390.
Small Zebra Fish.
Fresh waters of India.
Fig. Day, Fishes of India, 1878, pl. cli, fig. 4.
Frequently bred in the Aquarium.

50. *Danio malabaricus* (Jerdon), Madr. Journ. Lit. & Sc.
xv, 1849, p. 325.
Large Zebra Fish.
Fresh waters of Western India and Ceylon.
Fig. Day, Fishes of India, 1878, pl. cl, fig. 7.
51. *Danio albolineatus* (Blyth), Journ. Asiat. Soc. Bengal,
1860, p. 163.
Opalescent Fish.
Fresh waters of South-Eastern Asia.
Fig. Day, Fishes of India, 1878, pl. cl, fig. 1.
52. *Danio analipunctatus* Boulenger, Wochenschr. Aquar-
rienk. viii, 1911.
Speckled Zebra Fish.
Fresh waters of Rangoon.
Fig. Rachow, Trop. Aquar. Cat 1927, pl. xxxiii,
fig. 1 (*Brachydanio analipunctatus*).
- Rasbora** Bleeker, Nat. Tijdschr. Nederl. Ind.
xx, 1859-1860, p. 435.
53. *Rasbora heteromorpha* Duncker, Mitt. Naturhist.
Mus. Hamburg, xxi, 1904, p. 182.
Harlequin Fish.
Fresh waters of the Malay Peninsula and Archipelago.
Fig. Portielje, Mijn Aquarium, 1925, fig. 91.

Esomus Swainson, Nat. Hist. Fishes, ii, 1839,
p. 285.

54. *Esomus danrica* (Hamilton-Buchanan), Fishes Ganges,
1822, pp. 325, 390.
Barbed Fish.
Fresh waters of South-Eastern Asia.
Fig. Day, Fishes of India, 1878, pl. cxlv, figs. 7 & 8.

Leuciscus (ex Klein), J. J. Walbaum, Artedi,
Ichth. (3) ed. 2, 1792, p. 586.

55. *Leuciscus leuciscus* (Linnaeus), Syst. Nat. 1758.

Leuciscus vulgaris, List of Animals, 1896.

Dace.

Rivers of Northern and Central Europe.

Fig. Regan, British Freshwater Fishes, 1911, pl. xxvi,
fig. 1.

56. *Leuciscus cephalus* (Linnaeus), Syst. Nat, 1758.

Chub.

Rivers of Europe and Asia Minor.

Fig. Regan, British Freshwater Fishes, 1911, pl. xxvi,
fig. 2.

57. *Leuciscus idus* (Linnaeus), Syst. Nat. 1758.

Ide.

Fresh waters of Central and Northern Europe.

Fig. Seeley, Freshwater Fishes of Europe, 1886,
p. 139, fig. 68.

The domesticated golden variety of this fish, known as
the Golden Orfe, is usually on exhibition in the
Aquarium.

Rutilus Rafinesque, Ichth. Ohiensis, 1820,
p. 50.

58. *Rutilus rutilus* (Linnaeus), Syst. Nat. 1758.

Leuciscus rutilus, List of Animals, 1896.

Roach.

Rivers of Northern and Central Europe.

Fig. Regan, British Freshwater Fishes, 1911, pl. xxvii,
fig. 1.

Scardinius Bonaparte, Faun. Ital. 1832-1841,
Pesci, p. 146.

59. *Scardinius erythrophthalmus* (Linnaeus) Syst. Nat.
1758.

Rudd.

Fresh waters of Europe and Asia Minor.

Fig. Regan, British Freshwater Fishes, 1911, pl. xxvii,
fig. 3.

Alburnus Rafinesque, Ichth. Obiensis, 1820.

60. *Alburnus alburnus* (Linnaeus), Syst. Nat. 1758.

Bleak.

Fresh waters of Northern and Central Europe.

Fig. Regan, British Freshwater Fishes, 1911, pl. xxx,
fig. 1.

Abramis Cuvier, Règne Anim. ii, 1817, p. 194.

61. *Abramis brama* (Linnaeus), Syst. Nat. 1758.

Common Bream.

Fresh waters of Northern and Central Europe ;
Western Siberia.

Fig. Regan, British Freshwater Fishes, 1911, pl. xxix.
Walter, Süßwasser Fische, 1913, coloured pl. 39.

Rhodeus Agassiz, Mem. Soc. Sc. Nat.
Neufchatel, i, p. 37, 1835.

62. *Rhodeus amarus* (Bloch), Fische Deutschl. i, 1782,
p. 52.

Bitterling.

Fresh waters of Central Europe.

Fig. Seeley, Freshwater Fishes of Europe, 1886,
fig. 114, p. 208. Walter, Süßwasser Fische, 1913,
coloured pl. 38.

Phoxinus Agassiz, Mém. Soc. Sc. Nat.
Neufchatel. i, p. 37, 1835.

63. *Phoxinus phoxinus* (Linnaeus), Syst. Nat. 1758.
Leuciscus phoxinus, List of Animals, 1896.
Common Minnow.
Fresh waters of Europe.
Fig. Regan, British Freshwater Fishes, 1911, pl. xxxii,
fig. 3.

Cyprinus Linnaeus, Syst. Nat. 1758.

64. *Cyprinus carpio* Linnaeus, Syst. Nat. 1758.
Common Carp.
Fresh waters of Europe and Temperate Asia.
Fig. Regan, British Freshwater Fishes, 1911, pl. xxxiii.
"8 March 1828.—Received thirteen Carp from Lord
Gaga." This is the first record of live fish in the
possession of the Society.
Note. The Golden Carp, the Scaleless Leather Carp,
and the Mirror Carp, with the scales often enlarged
and reduced to one or two series only on each side,
are domesticated varieties which are usually on
exhibition in the Aquarium.

Carassius Nilsson, Prod. Ichth. Scand. 1832,
p. 32.

65. *Carassius carassius* (Linnaeus), Syst. Nat. 1758.
Crucian Carp.
Fresh waters of Europe and North-Eastern Asia.
Fig. Regan, British Freshwater Fishes, pl. xxiv.
66. *Carassius auratus* (Linnaeus), Syst. Nat. 1758.
Gold Fish.
Fresh waters of Eastern Asia.
Figs. Chen, Biol. Lab. Science Society, China, i, 1925,
pp. 1-64, 9 coloured pls. and numerous figs.

A large number of varieties of this fish, including the forms known to fanciers as Fan-Tails, Veil Tails, Star Gazers, Lion Heads, etc., have been exhibited in the Aquarium.

Barbus Cuvier, Tab. Elém. 1798, p. 234.

67. *Barbus barbatus* (Linnaeus), Syst. Nat. 1758.
Barbus vulgaris, List of Animals, 1896.
 Common Barbel.
 European fresh waters.
Fig. Regan, British Freshwater Fishes, 1911, pl. xxv.
 Walter, Süßwasser Fische, 1913, coloured pl. 36.
68. *Barbus ticto* (Hamilton-Buchanan), Fishes Ganges, 1822, pp. 314, 389.
 Two-spotted Barbel.
 Fresh waters of India and Ceylon.
Figs. Bade, Süßwasser Aquarium, 1923, pl. p. 408, fig. 3. Day, Fishes of India, 1878, pl. cxliv, fig. 7.
69. *Barbus conchonioides* (Hamilton-Buchanan), Fishes Ganges, 1892, pp. 317, 380.
 Rosy Barbel.
 Fresh waters of India.
Figs. Bade, Süßwasser Aquarium 1923, pl. p. 408, fig. 2. Day, Fishes of India, 1878, pl. cxliii, fig. 7.
70. *Barbus phutunio* (Hamilton-Buchanan), Fishes Ganges, 1822, pp. 319, 390.
 Dwarf Barbel.
 Fresh waters of India.
Fig. Day, Fishes of India, 1878, pl. cxlv, fig. 4.
71. *Barbus semifasciolatus* Günther, B. M. Cat. Fishes, vii, 1868, pp. 140 & 484.
 Striped Barbel.

Fresh waters of S. E. Asia.

Fig. Bade, Süßwasser Aquarium, 1923, fig. 319.

72. *Barbus chola* (Hamilton-Buchanan), Fishes Ganges, 1822, pp. 312, 389.

Bitter Barbel.

Fresh waters of India.

Figs. Bade, Süßwasser Aquarium, 1923, pl. p. 408, fig. 5. Day, Fishes of India, 1878, pl. cxlii, fig. 4.

73. *Barbus lateristriga* Cuvier & Valenciennes, Hist. Nat. Poissons, xvi, 1842, p. 161.

Blotched Barbel.

Fresh waters of the East Indian Archipelago.

Fig. Portielje, Mijn Aquarium, 1925, coloured fig 118, p. 89.

Tinca Cuvier, Règne Anim. ii, 1817, p. 193.

74. *Tinca tinca* (Linnaeus) Syst. Nat. 1758.

Tinca vulgaris, List of Animals, 1896.

Tench.

Fresh waters of Europe, Asia Minor, and Western Siberia.

Fig. Regan, British Freshwater Fishes, 1911, pl. xxv, fig. 2.

The Golden Tench, a domesticated variety of this fish, is usually on exhibition in the Aquarium.

Gobio Cuvier, Règne Anim. ii, 1817, p. 193.

75. *Gobio gobio* (Linnaeus), Syst. Nat. 1758.

Gobio fluviatilis, List of Animals, 1896.

Common Gudgeon.

Rivers of Europe.

Fig. Regan, British Freshwater Fishes, 1911, fig. 19.

Walter, Süßwasser Fische, 1913, coloured pl. 37.

COBITIDAE.

Nemacheilus van Hasselt, Allgemeine Konst. en Letterb. ii, 1823, p. 133.

76. *Nemacheilus barbatulus* (Linnaeus), Syst. Nat. 1758.
Stone Loach.
Fresh waters of Europe.
Fig. Regan, British Freshwater Fishes, 1911, pl. xxxii, fig. 1.

Misgurnus Lacépède, Hist. Nat. Poissons, v, 1803, p. 16.

77. *Misgurnus fossilis* (Linnaeus), Syst. Nat. 1758.
Thunder Fish.
Fresh waters of Central and Eastern Europe.
Figs. Cambridge Nat. Hist., Fishes, 1904, fig. 354.
Walter, Süßwasser Fische, coloured pl. 31.

Cobitis Linnaeus, Syst. Nat. 1758.

78. *Cobitis taenia* Linnaeus, Syst. Nat. 1758.
Spined Loach.
Fresh waters of Europe, Northern Asia, and Japan.
Fig. Regan, British Freshwater Fishes, 1911, pl. xxxii, fig. 2.

Sub-order SILUROIDEA.

Families :

	Page		Page
1. Diplomystidae	—	12. Shilbeidae	—
2. Ariidae	—	13. Peugasiidae	—
3. Doradidae	337	14. Mochosidae	—
4. Plotosidae	—	15. Malapteruridae	339
5. Siluridae	337	16. Pimelodidae	339
6. Claridae	337	17. Helogenidae	—
7. Bagridae	—	18. Hypophthalmidae	—
8. Ameiuridae	338	19. Pygidiidae	—
9. Amblycephalidae	—	20. Bunocephalidae	—
10. Sisoridae	—	21. Callichthyidae	339
11. Amphiliidae	—	22. Loricariidae	340

DORADIDAE.

Trachycorystes Bleeker, Nederl. Tijdschr.
Dierk. i, 1863, p. 88.

79. *Trachycorystes galeatus* (Linnaeus), Syst. Nat. 1766.
Spotted Catfish.
Fresh waters of the Guianas and Brazil.
Fig. Lütken, K. Dansk. Vid. Selsk. Skr. (5) xii, 1875,
fig. p. 148 (*Auchenipterus lacustris*).

SILURIDAE.

Silurus Linnaeus, Syst. Nat. 1758.

80. *Silurus glanis* Linnaeus, Syst. Nat. 1758.
The Wels.
Fresh waters of Central and Eastern Europe.
Figs. Walter, Süßwasser Fische, coloured pl. 28.
Seeley, Freshwater Fishes of Europe, 1886, fig. 31.
A specimen in the Aquarium, measuring a little over
3 feet, is a survivor of three turned out into the
lake at Woburn in 1874, when only a few inches in
length.

Callichrous Hamilton-Buchanan, Fishes
Ganges, 1822, p. 149.

81. *Callichrous chechra* (Hamilton-Buchanan), Fishes,
Ganges, 1822, p. 152.
Small-headed Catfish.
Rivers of Northern India.
Fig. Day, Fishes of India, 1878, pl. cx, figs. 4 & 5
(*Callichrous bimaculatus*).

CLARIIDAE.

Clarias Gronovius, Zoophyl. 1763, p. 100.

82. *Clarias batrachus* (Linnaeus), Syst. Nat. 1758.
Clarias magur Günther, B. M. Cat. Fishes, v,
1864, p. 17.

Amphibious Catfish.

Fresh and brackish waters of South-Eastern Asia.

Fig. Day, Fauna of British India, Fishes, i, 1889,
figs. 48, 49.

83. *Clarias mossambicus* Peters, Mon. Berl. Akad. 1852,
p. 682.

East African Catfish.

Fresh waters of East Africa.

Fig. Boulenger, B. M. Cat. Freshwater Fishes of
Africa, ii, 1911, p. 233.

Saccobranchus Cuvier & Valenciennes, Hist.
Nat. Poissons, xv, 1840, p. 399.

84. *Saccobranchus fossilis* (Bloch), Syst. Ichth. iii,
1788, pl. 370, fig. 2.

Saccobranch.

Fresh waters of India, Ceylon, Burma, and Cochin
China.

Fig. Day, Fauna of British India, Fishes, i, 1889,
fig. 53.

AMEIURIDAE.

Ameiurus Rafinesque, Ichth. Ohiensis, 1820,
p. 65.

85. *Ameiurus catus* Linnaeus, Syst. Nat. 1758.

Common North American Catfish.

Fresh waters of North America.

Fig. Dekay, New York Fauna, Fishes, 1855, p. 182,
pl. 37, fig. 119.

86. *Ameiurus nebulosus* Lesueur, Mem. Mus. d'Hist.
Nat. 1819, p. 149.

Horned Pout.

Fresh waters of North America.

Fig. Jordan, Guide to the Study of Fishes, ii, 1905,
p. 181, fig. 144.

MALAPTERURIDAE.

Malapterurus Lacépède, Hist. Nat. Poissons, v,
1803, p. 90.

87. *Malapterurus electricus* (Gmelin), Syst. Nat. i,
1789, p. 1351.

Electric Catfish.

Tropical Africa.

Fig. Boulenger, B. M. Cat. Freshwater Fishes of
Africa, ii, 1911, p. 512, fig. 382.

PIMELODIDAE.

Rhamdia Bleeker, Nederl. Tijdschr. Dierk.
1863, p. 101.

88. *Rhamdia sebae* (Cuvier & Valenciennes), Nat. Hist.
Poissons, 1840, xv, p. 169.

Striped Catfish.

Fresh waters of Tropical South America.

Fig. Quoy & Gaimard, Voy. Freycinet, 1824, pl. 49,
figs. 3 & 4.

CALLICHTHYIDAE.

Callichthys Gronovius, Zoophyl. i, 1763,
p. 127.

89. *Callichthys callichthys* (Linnaeus), Syst. Nat. 1758.

Armoured Catfish.

Fresh waters of Brazil and Guianas.

Fig. Bade, Süßwasser Aquar. 1923, fig. 350.

Corydoras Lacépède, Hist. Nat. Poissons, v,
1803, p. 147.

90. *Corydoras paleatus* Jenyns, Zool. Beagle, Fishes,
1842, p. 113.

Coat-of-Mail Catfish.

Fresh waters of Eastern South America.

Fig. Rachow, Trop. Aquarium Cat. 1927, pl. cii.

LORICARIIDAE.

Plecostomus Gronovius, Zoophyl. i, 1763,
p 127.

91. *Plecostomus commersoni* (Cuvier & Valenciennes),
Hist. Nat. Poissons, xv, 1840, p. 495.
Armoured Sucker-Fish.
Fresh waters of Brazil and the Argentine.
Fig. Cope, Proc. Amer. Phil. Soc. xxiii, 1894, p. 100,
fig. 14.

Order APODES.

Families :

	Page		Page
1. Anguillidae	340	10. Muraenesocidae	—
2. Simenchelidae	—	11. Neenchelidae	—
3. Xenocongridae	—	12. Congridae	341
4. Myrocongridae	—	13. Echelidae	—
5. Muraenidae	341	14. Opichthyidae	—
6. Heterenchelidae	—	15. Ilyorphidae	—
7. Moringuidae	—	16. Dysommidae	—
8. Nemichthyidae.....	—	17. Synaphobranchidae .	—
9. Cyemidae	—		

ANGUILLIDAE.

Anguilla Shaw, Gen. Zool. iv, 1803.

92. *Anguilla anguilla* (Linnaeus), Syst. Nat. 1758.
Common Eel.
Rivers of Europe ; Atlantic Ocean.
Figs. Regan, British Freshwater Fishes, 1911, pls. xxi
& xxii.
Literature. K. J. Gemzøe, Report Danish Biol.
Station, 1906 (Age and Growth). J. Schmidt,
Rapp. du Conseil Internat. Explor. de la Mer, 1906
(Life-history). J. Schmidt, Medd. fr. Kommiss. f.
Havundersøgels Fiskeri, 1909 (Distribution).

MURAENIDAE.

Muraena Linnaeus, Syst. Nat. 1758.

93. *Muraena helena* Linnaeus, Syst. Nat. 1758.
 Roman Eel.
 Mediterranean, Atlantic, and Australian coasts.
Fig. Lydøkker, Royal Nat. Hist. v, 1896, p. 446.
94. *Muraena ocellata* Agassiz, Selecta Genera et Species
 Piscium quos Itinere per Braziliam, p. 91, 1817.
 Ocellated Eel.
 Atlantic coasts of Tropical America.

CONGRIDAE.

Conger J. J. Walbaum, Artedi, Ichth. (3) ed. 2,
 1792, p. 580.

95. *Conger conger* (Linnaeus), Syst. Nat. 1758.
Conger vulgaris, List of Animals, 1896.
 Conger Eel.
 World-wide marine distribution.
Fig. Day, British Fishes, ii, 1880-1884, pl. lxvii,
 fig. 2.

Order HETEROMI.

Families :

- | | | |
|-------------------|--|------------------|
| 1. Halosauridae. | | 3. Lipogenyidae. |
| 2. Notacanthidae. | | |

Order SYNENTOGNATHI.

Families :

- | | | |
|--------------------|--|--------------------|
| 1. Belonidae. | | 3. Hemirhamphidae. |
| 2. Scombresocidae. | | 4. Exocoetidae. |

Order MICROCYPRINI.

Families:

	Page
1. Amblyopsidae	—
2. Cyprinodontidae	342

CYPRINODONTIDAE.

Jordanella Goode & Bean, Proc. U.S. Nat.
Mus. ii, 1879, p. 117.

96. *Jordanella floridae* Goode & Bean, Proc. U.S. Nat.
Mus. ii, 1879, p. 117.

Florida Minnow.

Rivers of Florida.

Fig. Jordan, Guide to the Study of Fishes, ii, 1905,
fig. p. 197.

Fundulus Lacépède, Hist. Nat. Poissons, v. 1803,
p. 37.

- 97. *Fundulus majalis* J. J. Walbaum, Artedi, Ichth. (3)
1792, p. 12.
American Mayfish.
Fresh waters of Eastern N. America.
Fig. Jordan, Guide Study Fishes, 2, 1905, figs. 155 &
156.
98. *Fundulus gularis* Boulenger, P. Z. S. ii, 1901,
p. 623.
Rainbow Killifish.
Rivers of West Africa.
Figs. Boulenger, P. Z. S. ii, 1901, p. 623, pl. xxxvii,
figs. 2 & 3. Bade, Süßwasser Aquar. 1923, p. 504,
coloured figs. 4, 5, & 6.
99. *Fundulus arnoldi* Boulenger, Ann. & Mag. N. H.
(8) ii, 1908, p. 29.
Arnold's Killifish.

Niger River.

Figs. Boulenger, B. M. Cat. Freshwater Fishes of Africa, iii, 1915, p. 31, fig. 21. Bade, Süßwasser Aquar. 1923, p. 504, coloured fig. 7.

Nothobranchius Peters, Naturw. Reise
Mossambique, 1868, p. 60.

100. *Nothobranchius sjoestedti* (Lönnerberg), Ofr. Ak.
Förh. Stockh. 1895, p. 191.

Red-spotted Killifish.

Rivers of West Africa.

Fig. Boulenger, B. M. Cat. Freshwater Fishes of Africa, iii, 1915, p. 38, fig. 29.

101. *Nothobranchius guentheri* (Pfeffer), Jahrb. Hamb.
Wiss. Anst. x, 2, 1893, p. 39.

Günther's Killifish.

Rivers of Tropical East Africa.

Fig. Boulenger, B. M. Cat. Freshwater Fishes of Africa, iii, 1915, p. 36, fig. 27.

Panchax Cuvier & Valenciennes, Hist. Nat.
Poissons, xviii, 1846, p. 380.

102. *Panchax panchax* Hamilton-Buchanan, Fishes
Ganges, 1822, p. 211.

Common Asiatic Killifish.

Fresh waters of Eastern Asia.

Figs. Day, Fishes of India, 1878, pl. cxxi, fig. 3.
Rachow, Trop. Aquarium Cat. 1927, coloured pl. xl.

103. *Panchax lineatus* Cuvier & Valenciennes, Hist. Nat.
Poissons, viii, 1831, p. 381.

Emerald-eyed Killifish.

Fresh waters of Eastern Asia.

Figs. Day, Fishes of India, 1878, pl. cxxi, fig. 5.
Rachow, Trop. Aquarium Cat. 1927, coloured pl. xl

104. *Panchax fasciolatus* (Günther), B. M. Cat. Fishes, vi, 1866, p. 358.
Sierra Leone Killifish.
Fresh waters of Sierra Leone.
Fig. Boulenger, B. M. Cat. Freshwater Fishes of Africa, iii, 1915, p. 52, fig. 38.
105. *Panchax sexfasciatus* Gill, Proc. Ac. Philad. 1862, p. 136.
Six-banded Killifish.
Fresh waters of West Africa.
Fig. Boulenger, B. M. Cat. Freshwater Fishes of Africa, iii, 1915, p. 54, fig. 40.
106. *Panchax chaperi* (Sauvage), Bull. Soc. Zool. Fr. 1882, p. 323.
Chaper's Killifish.
Fresh waters of West Africa.
Fig. Boulenger, B. M. Cat. Freshwater Fishes of Africa, iii, 1915, p. 56, fig. 41.
- 107. *Panchax calliurus* (Boulenger), Ann. & Mag. N. H. (8) viii, 1911, p. 265.
Multi-coloured Killifish.
Fresh waters of Liberia.
Fig. Boulenger, B. M. Cat. Freshwater Fishes of Africa, iii, 1915, fig. 45, p. 60.

Aplocheilichthys Bleeker, Nederl. Tijdschr.
Dierk. i, 1863, p. 116.

108. *Aplocheilichthys schoelleri* (Boulenger), Ann. & Mag. N. H. (7) xiv, 1904, p. 136.
Haplochilus schoelleri.
Schoeller's Killifish.
River Nile.
Fig. Boulenger, Freshwater Fishes of Africa, iii, 1915, p. 65, fig. 51.

Rivulus Poey, Poissons de Cuba, ii, 1860,
p. 307.

109. *Rivulus tenuis* Meek, Publ. Columb. Mus. Zool. v,
1904, p. 101.

Slender Killifish.

Fresh waters of Mexico.

Fig. Meek, Publ. Columb. Mus. Zool. v, 1904, fig. 27.

110. *Rivulus urophthalmus* Günther, B. M. Cat. Fishes,
vi, 1866, p. 327.

Speckled Killifish.

Fresh waters of Brazil.

Fig. Rachow, Trop. Aquar. Cat. 1927, pl. lviii.

111. *Rivulus ocellata* Hensel, Arch. f. Nat. xxxiv, 1868,
p. 365.

Ocellated Killifish.

Fresh waters of Brazil.

Fig. Portielje, Mijn Aquarium, p. 84, coloured fig. 111.

Phalloceros Eigenmann, Proc. U.S. Nat. Mus.
xxxii, 1907, p. 431.

112. *Phalloceros caudimaculatus* Hensel, Arch. f. Nat.
xxxiv, 1868, p. 362.

Dusky Million.

Fresh waters of Central and Eastern South America.

Figs. Regan, P. Z. S. 1913, p. 977, pl. C, figs. 5 & 6.

Bade, Süßwasser Aquar. 1923, p. 520, coloured
fig. 5.

Has bred in the Aquarium.

Phalloptychus Eigenmann, Proc. U.S. Nat.
Mus. xxxii, 1907, p. 430.

113. *Phalloptychus januaris* Hensel, Arch. f. Nat.
xxxiv, 1868, p. 360.

Striped Million.

Fresh waters of S.E. Brazil; La Plata.

Fig. Regan, P. Z. S. 1913, pl. C, figs. 7 & 8.

Lebistes Filippi, Arch. Zool. Anat. Fisiol. i,
1861, p. 69.

114. *Lebistes reticulatus* (Peters), Monatsb. Akad.
Berlin, 1859, p. 412.

Common Million Fish.

Fresh waters of Venezuela and the West Indies.

Figs. Regan, P. Z. S. 1906, pl. xxii, coloured figs, 1, 1a.

Kyle, Biology of Fishes, 1926, coloured pl. xi.

Breeds in the Aquarium.

Literature. E. G. Boulenger, P. Z. S. 1906, p. 906.
(Notes on breeding habits.)

Gambusia Poey, Memorias de Cuba, i,
1854, p. 382.

115. *Gambusia holbrooki* Girard, Proc. Acad. Philad.
1859, p. 61.

Holbrook's Million Fish.

Southern N. America.

Fig. Bade, Süßwasser Aquar. 1923, p. 520, coloured
fig. 2.

Belonesox Kner, Sitzungsab. Akad. Wiss. Wien,
xl, 1860, p. 419.

116. *Belonesox belizanus* Kner, Sitzungsab. Akad. Wiss.
Wien, xl, 1860, p. 419.

Dwarf Pike.

Fresh waters of Central America.

Figs. Portielje, Mijn Aquarium, p. 84, coloured fig.

112. Kner, Sitzungsab. Akad. Wiss. Wien, xl,
1860, p. 419.

Pseudoxiphophorus Bleeker, Nat. Tijdschr.
Nederl. Ind. xx, 1859, p. 102.

117. *Pseudoxiphophorus bimaculatus* (Heckel), Sitz-
ungsab. Akad. Wien, i, 1848, p. 296.

Two-spotted Fish.

Fresh waters of Mexico.

Figs. Portielje, Mijn Aquarium, 1925, p. 90, coloured fig. 126. Regan, Biol. Centr.-Amer., Pisces, pl. xiv, fig. 4.

Limia Poey, Memorias de Cuba, i, 1854, p. 382.

118. *Limia nigrofasciata* Regan, P. Z. S. 1913, p. 1015.

Black-banded Fish.

Fresh waters of Haiti.

Figs. Regan, P.Z.S. 1913, p. 1015, pl. ci, figs. 1 & 2.

Has bred in the Aquarium.

119. *Limia ornata* Regan, P. Z. S. 1913, p. 1016.

Ornate Fish.

Fresh waters of Haiti and Cuba.

Fig. Regan, P. Z. S. 1913, pl. ci, fig. 7.

120. *Limia arnoldi* Regan, P. Z. S. 1913, p. 1016.

Haiti Fish.

Fresh waters of Haiti.

Fig. Regan, P. Z. S. 1913, pl. ci, fig. 5.

Has bred in the Aquarium.

Poecilia Bloch & Schneider, Syst. Ichth.
1801, p. 453.

121. *Poecilia vivipara* Bloch & Schneider, Syst. Ichth.
1801, p. 453.

Southern Million Fish.

Fresh waters of South America.

Fig. Portielje, Mijn Aquarium, 1925, p. 83, coloured fig. 108. Bloch & Schneider, Syst. Ichth. 1801, p. 452, pl. lxxxvi.

Has bred in the Aquarium.

Mollienisia Le Sueur, Journ. Acad. Nat. Sci.
Philad. ii, 1821, p. 2.

122. *Mollienisia velifera* Rogan, Ann. & Mag. Nat. Hist.
(8) xiii, 1914, p. 338.

Sailfin.

Fresh waters of Southern Mexico.

Fig. Portielje, Mijn Aquarium, 1925, p. 89, coloured
fig. 121.

123. *Mollienisia latipinna* Le Sueur, Journ. Acad. Nat.
Sci. Philad. ii, 1821, p. 3.

Northern Sailfin.

Fresh waters of Southern United States.

Fig. Garman, Mem. Mus. Comp. Zool. xix, 1895,
p. 50, pl. xii.

124. *Mollienisia sphenops* (Cuvier & Valenciennes), Hist.
Nat. Poissons, xviii, 1846, p. 130.

Speckled Fish.

Fresh waters of Central America.

Fig. Regan, Biol. Centr.-Amer., Pisces, 1906-1908,
p. 102, pl. xiii.

Has bred in the Aquarium.

Platypoecilus Günther, B. M. Cat. Fishes, vi,
1866, p. 350.

125. *Platypoecilus maculatus* Günther, B. M. Cat.
Fishes, vi, 1866, p. 350.

Blotched Cyprinodont.

Fresh waters of Mexico.

Fig. Portielje, Mijn Aquarium, 1925, p. 71, coloured
fig. 82. Rachow, Trop. Aquarium Cat. 1927,
coloured pl. lxvi.

The colour varieties of this fish are endless, some
specimens being golden, whilst others may be green
or uniform black in colour.

Has frequently bred in the Aquarium.

Xiphophorus Heckel, Sitzungs- b. Akad. Wien, i,
1848, p. 291.

126. *Xiphophorus helleri* Heckel, Sitzungs- b. Akad. Wien,
i, 1848, p. 291.

Swordtail Fish.

Fresh waters of Southern Mexico and Guatemala.

Fig. Bade, Süßwasser Aquar. 1923, p. 504. Rachow,
Trop. Aquarium Cat. 1927, coloured pl. lxi.

This fish has frequently been bred in the Aquarium ;
also hybrids between it and *Platypoecilus macululus*.

Order SALMOPERCAE.

Families :

1. Aphredoderidae. | 2. Percopsidae.

Order ANACANTHINI.

Families :

	Page
1. Macruridae	—
2. Gadidae	349
3. Muraenolepididae	—

GADIDAE.

Gadus Linnaeus, Syst. Nat. 1758.

127. *Gadus morrhua* Linnaeus, Syst. Nat. 1758.

Common Cod.

European Seas, coasts of Iceland, Greenland, and
Eastern N. America.

Fig. Day, British Fishes, i, 1810-1884, pl. lxxviii.

128. *Gadus pollachius* Linnaeus, Syst. Nat. 1758.

Pollack.

European Seas.

Fig. Day, British Fishes, i, 1880-1884, pl. lxxxiii,
fig. 2.

129. *Gadus merlangus* Linnaeus, Syst. Nat. 1758.
Whiting.
European Seas.
Fig. Day, British Fishes, i, 1880-1884, pl. lxxxii.

130. *Gadus luscus* Linnaeus, Syst. Nat. 1758.
Whiting Pout.
European Seas.
Fig. Day, British Fishes, i, 1880-1884, pl. lxxx.

Lota Cuvier, Règne Anim. ed. 1, 1817
(Oken), p. 215, 1182.

131. *Lota lota* (Linnaeus), Syst. Nat. 1758.
Burbot.
Fresh waters of Europe.
Fig. Day, British Fishes, i, 1880-1884, pl. lxxxvii.

Motella Cuvier, Règne Anim. ed. 2, ii, 1829.

132. *Motella mustela* (Linnaeus), Syst. Nat. 1758.
Five-bearded Rockling.
European Seas.
Fig. Day, British Fishes, i, 1880-1884, pl. lxxxviii,
fig. 2.

133. *Motella tricirrata* Brünnich, Ichth. Massil. 1768,
p. 22.
Three-bearded Rockling.
European Seas.
Fig. Day, British Fishes, i, 1880-1884, pl. lxxxviii,
fig. 1.

Order ALLOTRIIGNATHI.

Families :

- | | |
|--------------------|------------------|
| 1. Lamprididae. | 4. Lophotidae. |
| 2. Veliferidae. | 5. Stylophoridae |
| 3. Trachypteridae. | |

Order SOLENICHTHYES.

Families :

	Page
1. Centriscidae	—
2. Macrorhamphosidae	—
3. Aulostomidae	—
4. Solenostomidae	—
5. Syngnathidae	351

SYNGNATHIDAE.

Syngnathus Linnaeus, Syst. Nat. 1758.

- 134.
- Syngnathus acus*
- Linnaeus, Syst. Nat. 1758.

Great Pipefish.

European Seas ; Eastern Atlantic.

Fig. Day, British Fishes, ii, 1880-1884, pl. cxliv,
figs. 1 & 2.

The young of this fish have been born in the Aquarium.

Siphonostoma Kaup, Cat. Lophobr. 1856, p. 48.

- 135.
- Siphonostoma typhle*
- (Linnaeus), Syst. Nat. 1758.

Broad-nosed Pipefish.

European Seas.

Fig. Day, British Fishes, ii, 1880-1884, pl. cxliv,
fig. 3.**Nerophis** Rafinesque, Ind. d'Ittiol. Siciliana,
1810, p. 37.

- 136.
- Nerophis aequoreus*
- (Linnaeus), Syst. Nat. 1758.

Oceanic Pipefish.

Seas of Northern and Western Europe.

Fig. Day, British Fishes, ii, 1880-1884, pl. cxliv,
fig. 4.

- 137.
- Nerophis ophidion*
- (Linnaeus), Syst. Nat. 1758.

Straight-nosed Pipefish.

European Seas.

Fig. Day, British Fishes, ii, 1880-1884, pl. cxliv,
fig. 5.

138. *Nerophis lumbriciformis* Yarrell, Brit. Fishes, ii, 1841, p. 450.

Worm Pipefish.

Northern European Seas.

Fig. Day, British Fishes, ii, 1880-1884, pl. cxliv, fig. 6.

Hippocampus Rafinesque, Carat. Nuovi
Gen. & Spec. Sicilia, 1810, p. 18.

139. *Hippocampus hippocampus* (Linnaeus), Syst. Nat. 1758.

Common Sea-Horse.

Southern European Seas.

Fig. Day, British Fishes, ii, 1880-1884, pl. cxliv, fig. 7.

140. *Hippocampus ramulosus* Leach, Zool. Misc. i, 1814, p. 105.

Branched Sea-Horse.

Southern European Seas: coast of Madeira.

Fig. Low, Fishes of Madeira, 1843, coloured pl. 2.

Order BERYCOMORPHI.

Families :

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1. Polymixiidae	—	6. Anomalopidae	—
2. Berycidae	—	7. Holocentridae	352
3. Diretmidae	—	8. Melamphaidae	—
4. Trachichthyidae	—	9. Stephanoberycidae	—
5. Monocentridae	—		

HOLOCENTRIDAE.

Myripristis Cuvier, Règne Anim. ii,
1829, p. 150.

141. *Myripristis parvideus* Cuvier & Valenciennes, Hist. Nat. Poissons, iii, 1829, p. 173.

Soldier Fish.

Seas of S.E. Asia.

Fig. Bleeker, Atlas Ichth. viii, 1876, coloured pl. ccelviii, fig. 4.

Holocentrus Gronovius, Zoophyl. 1763, p. 65.

142. *Holocentrus microstomus* Günther, B. M. Cat. Fishes, i, 1859, p. 34.

Striped Soldier Fish.

Coasts of S.E. Asia.

Fig. Bleeker, Atlas Ichth. viii, 1876, pl. ccelviii.

Order ZEOMORPHI.

Families :

	Page
1. Zeidae	353
2. Caproidae.....	—

ZEIDAE.

Zeus Linnaeus, Syst. Nat. 1758.

143. *Zeus faber* Linnaeus, Syst. Nat. 1758.

John Dory.

European and Australian Seas.

Fig. Aflalo, Woburn Library, British Salt-water Fish, 1904, coloured fig. opp. p. 138.

Order PERCOMORPHI.

Sub-orders :

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1. Percoidea	354	7. Mugiloidea	373
2. Trichiuroidea	372	8. Polynemoidea	374
3. Scombroidea.....	372	9. Anabantoidea	374
4. Siganoidea.....	373	10. Stromateoidea.....	378
5. Teuthidoidea.....	373	11. Gobioida	378
6. Kurtoidea	373	12. Blennioidea.....	379

Sub-order PERCOIDEA.

Families :

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1. Serranidae	355	41. Chaetodontidae	—
2. Pseudoplesiopidae ..	—	42. Enoplosidae	—
3. Plesiopidae	—	43. Histiopteridae.....	—
4. Kuhliidae	—	44. Pristolepidae	362
5. Centrarchidae.....	356	45. Nandidae	—
6. Priacanthidae	—	46. Hoplegnathidae	—
7. Chilodipteridae	358	47. Cichlidae.....	363
8. Percidae	358	48. Cepolidae	—
9. Latilidae	—	49. Cirrhitidae	—
10. Sillaginidae	—	50. Chironemidae	—
11. Lactariidae	—	51. Haplodactylidae	—
12. Bathylapeidae	—	52. Chilodactylidae	—
13. Labracoglossidae ..	—	53. Lactrididae	—
14. Pomatomidae	—	54. Pomacentridae	366
15. Rhachicentridae	—	55. Labridae	369
16. Carangidae	359	56. Odacidae	—
17. Monidae	—	57. Scaridae	371
18. Bramidae	—	58. Trichodontidae	—
19. Coryphaenidae	—	59. Ammodytidae	—
20. Centropomidae	360	60. Champsodontidae ..	—
21. Arripidae	—	61. Gadopsidae	—
22. Erythrinthyidae	—	62. Opisthognathidae ..	—
23. Lutjanidae	—	63. Bathymasteridae.....	—
24. Nemipteridae	—	64. Pinguipedidae.....	—
25. Lobotidae	—	65. Chimarrhiichthyidae ..	—
26. Liognathidae	—	66. Trachinidae.....	371
27. Pomadasidae	—	67. Percophiidae	—
28. Sciaenidae	—	68. Bembropsidae	—
29. Mullidae	360	69. Hemerocoetidae	—
30. Lethrinidae.....	—	70. Trichonotidae	—
31. Sparidae	360	71. Creediidae	—
32. Maenidae	—	72. Linnichthyidae	—
33. Monodactylidae	361	73. Leptoscopidae.....	—
34. Pempheridae	—	74. Uranoscopidae	—
35. Toxotidae	—	75. Bovichtthyidae.....	—
36. Scorpididae.....	—	76. Nototheniidae	—
37. Kyphosidae.....	362	77. Bathydraconidae ..	—
38. Girellidae	—	78. Chaenichthyidae	—
39. Ephippidae	362	79. Callionymidae.....	372
40. Drepanidae	—	80. Draconettidae.....	—

SERRANIDAE.

Serranus Cuvier, Règne Anim. ii, 1817, p. 276.

144. *Serranus atricauda* Günther, Ann. & Mag. N. H. (4) xiii, 1874 p. 230.
Madeira Sea Perch.
Western Mediterranean ; Madeira ; Canary Islands. .
Fig. Guichen, Explor. Sc. Alg. 1850, Poiss., coloured pl. i.
145. *Serranus leopardus* (Lacépède), Hist. Nat. Poissons, iii, 1802, p. 517. .
Leopard Fish.
Indian and Western Pacific Oceans.
Fig. Day, Fishes India, 1878, pl. vi, fig. 4.

Epinephelus Bloch, Ausl. Fische, vii,
1793, p. 11.

146. *Epinephelus gigas* Brünnich, Ichth. Massil. 1768, p. 65.
Marbled Sea Perch.
Mediterranean ; Atlantic ; South-East coast of Africa.
Fig. Day, British Fishes, i, 1880-1884, pl. v.
147. *Epinephelus ruber* Bloch, Ausl. Fische, vii, 1793, p. 22.
Speckled Sea Perch.
Mediterranean : Atlantic coasts of Africa and South America.
Fig. Steindachner, Sitzungsab. Akad. Wien, 1891, pl. i, fig. 1 (*Serranus simonyi*).
148. *Epinephelus pachycentrum* Cuvier & Valenciennes, Hist. Nat. Poissons, ii, 1828, p. 295.
Brown Sea Perch.
Indian and Western Pacific Oceans.
Fig. Bleeker, Atlas Ichth. vii, 1876, p. 39, pi. cclxxx, fig. 1.

Morone Mitchill, Report Fishes New York,
1814, p. 18.

149. *Morone labrax* (Linnaeus), Syst. Nat. 1758.
Sea Bass.
European Seas.
Fig. Day, British Fishes, i, 1880-1884, pl. ii.

Grammistes Cuvier & Valenciennes, Hist.
Nat. Poissons, ii, 1828, p. 201.

150. *Grammistes sexlineatus* Thunberg, Vetensk. Ak.
Handl. Stockh. xiii, 1792, p. 142.
White-banded Fish.
Coasts of S.E. Asia.
Fig. Day, Fishes of India, 1878, pl. ix, fig. 1.

Therapon Cuvier, Règne Anim. i,
1817, p. 295.

151. *Therapon jarbua* Forskål, Descr. Anim. 1775, p. 50.
Torpedo Fish.
Red Sea : east coasts of Africa, through all Indian Seas,
to north coast of Australia.
Fig. Boulenger, B. M. Cat. Freshwater Fishes Africa,
iii, 1915, p. 114, fig. 86.

CENTRARCHIDAE.

Pomoxis Rafinesque, Journ. Ac. Nat. Sci.
Philad. Nov. 1818.

152. *Pomoxis sparoides* Lacépède, Nat. Hist. Poissons,
iii, 1802, p. 717.
Calico-Bass.
Fresh waters of Eastern N. America.
Fig. Jordan & Evermann, Amer. Food & Game Fishes,
1902, pl. opp. p. 338.

Ambloplites Rafinesque, Ichth. Ohiensis,
1820, p. 33,

153. *Ambloplites rupestris* (Rafinesque), Amer. Monthly
Mag. 1817, p. 120.

Rock Bass.

Fresh waters of Eastern North America.

Fig. Jordan & Evermann, Amer. Food & Game
Fishes, 1902, pl. opp. p. 338.

Micropterus Lacépède, Hist. Nat. Poissons,
1803, iv, p. 324.

154. *Micropterus salmoides* Lacépède, Hist. Nat. Poissons,
iv, 1803, p. 717.

Huro nigricans, List of Animals, 1896.

Large-mouthed Black Bass.

Fresh waters of Eastern N. America.

Fig. Jordan & Evermann, Amer. Game & Food Fishes,
1902, pl. opp. p. 358.

Lepomis Rafinesque, Journ. de Phys. & Hist.
Nat. 1819, p. 420.

155. *Lepomis auritus* (Linnaeus), Syst. Nat. 1758.

Red-breasted Sunfish.

Fresh waters of Eastern N. America.

Fig. Jordan & Evermann, Amer. Food & Game Fishes,
1902, fig. p. 346.

156. *Lepomis megalotis* Rafinesque, Ichth. Ohiensis, 1820,
p. 22.

Long-eared Sunfish.

Fresh waters of Eastern N. America.

Fig. Jordan & Evermann, Amer. Food & Game Fishes,
1902, fig. p. 347.

Eupomotis Gill & Jordan, Field & Forest,
1877, ii. p. 190.

157. *Eupomotis gibbosus* (Linnaeus), Syst. Nat. 1758.
Common Sunfish.
Fresh waters of North America.
Fig. Jordan & Evermann, Amer. Food & Game Fishes,
1902, fig. p. 353.

Mesogonistius Gill, Ann. Journ. Sci.
Arts, xxxvii, 1864, p. 92.

158. *Mesogonistius chaetodon* (Baird), 9th Smithson.
Report, 1854, p. 324.
Black-banded Sunfish.
Fresh waters of Southern N. America.
Figs. Jordan, Guide to Study of Fishes, ii, 1905,
fig. 234, p. 299. Rachow, Trop. Aquarium Cat.
1927, coloured pl. cvii.

CHILODIPTERIDAE.

Apogon Lacépède, Hist. Nat. Poissons,
iii, 1802, p. 411.

159. *Apogon imberbis* G. F. Gmelin, Syst. Nat. xiii, 1789,
ed. 1, p. 1341.
Cardinal Fish.
Mediterranean; coast of Madeira.
Fig. Low, Fishes of Madeira, 1843, pl. 21.

PERCIDAE

Perca Linnaeus, Syst. Nat. 1758.

160. *Perca fluviatilis* Linnaeus, Syst. Nat. 1758.
Common Perch.
European fresh waters.
Fig. Maxwell, Woburn Library, British Freshwater
Fishes, 1904, coloured pl. ii.

Lucioperca Cuvier & Valenciennes, Hist.
Nat. Poissons, ii, 1828, p. 110.

161. *Lucioperca lucioperca* (Linnaeus), Syst. Nat. 1758.
Pike-Perch.
Fresh waters of Eastern Europe.
Fig. Bade, Süßwasser Aquarium, 1923, pl. p. 568.

Aspro Cuvier & Valenciennes, Hist. Nat.
Poissons, ii, 1828, p. 188.

162. *Aspro zingel* (Linnaeus), Syst. Nat. 1758.
Aspron.
River Danube.
Fig. Heckel & Kner, Süßwasserf. Oesterr. 1858, p. 16.

Acerina Cuvier, Règne Anim. ii,
1817, p. 283.

163. *Acerina cernua* (Linnaeus), Syst. Nat. 1758.
Ruffe, or Pope.
European fresh waters.
Fig. Regan, British Freshwater Fishes, 1911, pl. xxxv,
fig. 2. Walter, Süßwasser Fische, 1913, coloured
pl. 8.

CARANGIDAE.

Trachinotus Lacépède, Hist. Nat. Poissons,
iii, 1802, p. 78.

164. *Trachinotus glaucus* (Linnaeus), Syst. Nat. 1758.
Silver Mackerel; Pampano.
Maderia: Atlantic shores of Tropical America.
Fig. Webb & Berthelot, Iles Canar., Poissons, 1836-
1844, coloured pl. 13, fig. 1 (*Lichia glaycos*).

CENTROPOMIDAE.

Ambassis Cuvier & Valenciennes, Hist. Nat.
Poissons, ii, 1828, p. 175.

165. *Ambassis lala* (Hamilton-Buchanan), Fishes Ganges,
1822, p. 114,
Common Indian Glass-Fish.
Fresh waters of India and Burma.
Fig. Day, Fishes of India, 1878, pl. xiv, fig. 6.
166. *Ambassis nama* (Hamilton - Buchanan), Fishes
Ganges, 1822, p. 109.
Elongated Glass-Fish.
Fresh waters of India and Burma.
Fig. Day, Fishes of India, 1878, pl. xiv, fig. 5.

MULLIDAE.

Mullus Linnaeus, Syst. Nat. 1758.

167. *Mullus barbatus* Linnaeus, Syst. Nat. 1758.
Red Mullet.
European Seas ; coast of Madeira.
Fig. Aflalo, Woburn Library, British Salt-water Fishes,
1904, pl. p. 114.

SPARIDAE.

Sparus Linnaeus, Syst. Nat. 1758.

168. *Sparus sargus* Linnaeus, Syst. Nat. 1758.
Common Sheepshead.
Mediterranean ; coast of Madeira.
Fig. Geoffroy St. Hilaire, Descr. Egypt, 1809, pl. 18,
fig. 2.

169. *Sparus rondeletii* (Cuvier & Valenciennes), Hist. Nat. Poissons, vi, 1830, p. 14.
Rondelet's Sheepshead.
Mediterranean; coasts of Madeira and Canary Islands.
Fig. Guide to the Naples Aquarium, 1925, fig. 41, p. 15.

Pagrus Cuvier, Règne Anim. ii,
1817, p. 272.

170. *Pagrus pagrus* (Linnaeus), Syst. Nat. 1758.
Pagrus vulgaris Günther, B. M. Cat. Fishes, i,
1859, p. 466.
Mediterranean Sea-Bream.
Mediterranean; coasts of Madeira and Canary Islands.
Fig. Day, British Fishes, i, 1880-1884, pl. xi.

Pagellus Cuvier, Règne Anim. ii,
1829, p. 182.

171. *Pagellus orphus* Lacépède, Hist. Nat. Poissons, iv,
1803, p. 146.
Pagellus centrodonatus Günther, B. M. Cat. Fishes,
i, 1859, p. 476.
Common Sea-Bream.
European Seas; coasts of Madeira and Canary Islands.
Fig. Day, British Fishes, i, 1880-1884, pl. xiii.

MONODACTYLIDAE.

Psettus Cuvier & Valenciennes, Hist. Nat.
Poissons, vii, 1831, p. 240.

172. *Psettus argenteus* (Linnaeus), Amoen. Acad. iv, 1759,
p. 249.
Silver Fish.
Red Sea and coasts of Tropical East Africa and
Southern Asia.
Fig. Boulenger, B. M. Cat. Freshwater Fishes Africa,
iii, 1915, p. 122, fig. 90.

KYPHOSIDAE.

Kyphosus Lacépède, Hist. Nat. Poissons, iii,
1802, p. 114.

173. *Kyphosus saltatrix* (Linnaeus), Syst. Nat. 1766.
Rudder Fish.
Tropical and Semi-Tropical Atlantic.
Fig. Cuvier & Valenciennes, Hist. Nat. Poissons, vii,
1831, coloured pl. 187 (*Pimelepterus boscii*).

EPHIPPIIDAE.

Ephippus Cuvier, Règne Anim.
1817, p. 335.

174. *Ephippus argus* (Linnaeus), Syst. Nat. 1758.
Scatophagus argus Günther, B. M. Cat. Fishes,
ii, 1860, p. 58.
Argus Fish.
East Indian and Chinese Seas.
Fig. Day, Fishes of India, 1878, pl. xxix, fig. 3.

PRISTOLEPIDAE.

Badis Bleeker, Verh. Batav. Genootsch. xxv,
1853, p. 106.

175. *Badis badis* Hamilton-Buchanan, Fishes Ganges,
1822, p. 70.
Buchanan's Dwarf Perch.
Fresh waters of India and Burma.
Fig. Day, Fishes of India, 1878, pl. xxxi, fig. 6.

CICHLIDAE.

Crenicichla Heckel, Ann. Mus. Wien, ii,
1840, p. 416.

176. *Crenicichla lepidota* Heckel, Ann. Mus. Wien, ii,
1840, p. 432.
Elongated Cichlid.
Fresh waters of Eastern South America.

Acara Heckel, Ann. Mus. Wien, ii,
1840, p. 338.

177. *Acara coeruleopunctata* Kner & Steindachner,
Sitzungsber. Bayern. Akad. x, 1863, p. 222.
Mother-of-Pearl Cichlid.
Fresh waters of Central and Eastern Tropical America.
Fig. Portielje, Mijn Aquarium, 1925, p. 77: coloured
fig. 94 (*Aequidens coeruleopunctatus*).

Geophagus Heckel, Ann. Mus. Wien,
ii, 1840, p. 383.

178. *Geophagus brasiliensis* (Quoy & Gaimard), Voy.
Uran., Zool. Poss. 1824, p. 286.
Brazilian Cichlid.
Fresh waters of Brazil and the Argentine.
Fig. Bade, Süßwasser Aquarium, 1923, p. 631,
fig. 433.
179. *Geophagus acuticeps* Heckel, Brasil. Flussfische,
1840, p. 394.
Sharp-headed Cichlid.
Fresh waters of Tropical South America.
Fig. Rachow, Trop. Aquarium Cat. 1927, pl. xciii,
fig. 1.

Cichlasoma Swainson, Nat. Hist. Fishes,
ii, 1839, p. 230.

180. *Cichlasoma facetum* Jenyns, Zool. Beagle, Fishes,
1840, p. 104.
Common Chanchito.
Fresh waters of the Argentine, Uruguay, and Southern
Brazil.
Fig. Bade, Süßwasser Aquarium, 1923, coloured pl.
p. 608.
This fish has frequently bred in the Aquarium.
181. *Cichlasoma severum* Heckel, Ann. Mus. Wien, ii,
1840, p. 362.
Striped Chanchito.
Fresh waters of Brazil and Guiana.
Fig. Portielje, Mijn Aquarium, 1925, p. 77, coloured
fig. 97.
182. *Cichlasoma nigrofasciatum* (Günther), Trans. Z. S.
vi, 1869, p. 452.
Black-banded Chanchito.
Fresh waters of Brazil.
Figs. Portielje, Mijn Aquarium, 1925, p. 54 coloured
figs. 67 & 68.
This fish has frequently bred in the Aquarium.
183. *Cichlasoma bimaculata* (Linnaeus), Syst. Nat. 1758.
Two spotted Chanchito.
Fresh waters of Northern South America.
Fig. Bade, Süßwasser Aquarium, 1923, p. 624.
fig. 430.
184. *Cichlasoma festivum* Heckel, Ann. Mus. Wien, 1840,
p. 376.
Barred Chanchito.
Fresh waters of Eastern Tropical America.
Fig. Stansch, Exot. Zierfische, 1914, fig. p. 111.
185. *Cichlasoma aureum* (Günther), Cat. B. M. Fishes,
iv, 1862, p. 292.
Golden Cichlid.

Fresh waters of Central America.

Fig. Stansch, *Exot. Zierfische*, 1924, fig. p. 114.

Neetroplus Günther, *Trans. Z. S.*
1869, p. 469.

186. *Neetroplus carpintis* Jordan & Snyder, *Bull. U.S. Fish Comm.* 1899, p. 116.

Blue Cichlid.

Fresh waters of Central America.

Fig. Bade, *Süßwasser Aquarium*, 1923, fig. p. 616.

This fish has frequently bred in the Aquarium.

Pterophyllum Heckel, *Ann. Mus. Wien*,
ii, 1840, p. 334.

187. *Pterophyllum scalare* Cuvier & Valenciennes, *Hist. Nat. Poissons*, viii, 1831, p. 237.

Freshwater Angel Fish.

Fresh waters of Brazil.

Figs. E. G. Boulenger, *Z. S. Guide to the Aquarium*, 1924, fig. p. 48. Rachow, *Trop. Aquarium Cat.* 1927, pl. cxvi.

Etroplus Cuvier & Valenciennes, *Hist. Nat. Poissons*, v, 1830, p. 135.

- 188. *Etroplus maculatus* Bloch, *Syst. Ichth.* 1801, p. 228.

Asiatic Cichlid.

Fresh waters of South-Eastern Asia.

Fig. Day, *Fishes of India*, 1878, pl. lxxxix, fig. 4.

Tilapia A. Smith, *Ill. Zool. S. Afr.*,
Fishes, 1840, pl. v.

189. *Tilapia heudeloti* A. Duméril, *Arch. Mus.* x, 1859,
p. 254.

Small-mouthed African Cichlid.

Fresh waters of Tropical West Africa.

Fig. Boulenger, *B. M. Cat. Freshwater Fishes Africa*,
iii, 1915, p. 174, fig. 111.

Haplochromis Pfeffer, Sitzungsber. Ges. naturf.
Fr. Berlin, 1888, p. 76.

190. *Haplochromis strigigena* Pfeffer, Jahrb. Haml.
Wiss. Ast. x, 1893, p. 155.

Mouthbreeder.

Fresh waters of Egypt and N.E. Africa.

Fig. Boulenger, B. M. Cat. Freshwater Fishes Africa,
iii, 1915, p. 299, fig. 203.

This fish has frequently bred in the Aquarium. The
female carries her eggs in the mouth until they
hatch.

Hemichromis Peters, Mon. Berl. Akad.
1857, p. 403.

191. *Hemichromis bimaculatus* Gill, Proc. Acad. Philad.
1862, p. 137.

Red Cichlid.

River Nile and fresh waters of the Sahara to the Congo.

Fig. Boulenger, B. M. Cat. Freshwater Fishes Africa,
iii, 1915, p. 431, fig. 294.

Has bred in the Aquarium.

192. *Hemichromis fasciatus* Peters, Mon. Berl. Akad.
1857, p. 403.

Banded Cichlid.

Fresh waters of West Africa.

Fig. Boulenger, B. M. Cat. Freshwater Fishes, Africa,
iii, 1915, fig. 293, p. 429.

POMACENTRIDAE.

Chromis Cuvier, Bull. Soc. Sci. Philom.
Paris, 1814, p. 88.

193. *Chromis chromis* (Linnaeus), Syst. Nat. 1758.

Heliastes chromis Günther, B. M. Cat. Fishes, iv,
1862, p. 60.

Swallow-tailed Castanet Fish.

Tropical Seas, extending to the Mediterranean and coasts of Japan and Chili.

Fig. Webb & Berthelot, Iles Canaries, Poissons, 1836, pl. 7, fig. 1 (*Heliazes limbatus*).

Amphiprion Bloch & Schneider, Syst.
Ichth. 1801, p. 200.

194. *Amphiprion ephippium* Bloch, Nat. Aus. Fische, iv, 1792.

Cardinal Coral Fish.

Coral reefs of S.E. Asia.

Figs. Day, Fishes of India, 1878, pl. lxxx, fig. 1. Ahl, Wochen. Aquar. Terr. xxii, 1925, No. 15, p. 1, fig.

195. *Amphiprion percula* (Lacépède), Hist. Nat. Poissons, iv, 1803, p. 239.

Anemone-haunting Coral Fish.

Coral reefs of S.E. Asia.

Fig. Day, Fishes of India, 1878, pl. lxxx, fig. 4.

Dasyllus Cuvier, Règne Anim. ii,
1829, p. 179.

196. *Dasyllus aruanus* (Linnaeus), Syst. Nat. 1758.

Black and White Fish.

Eastern coasts of Africa to Polynesia.

Fig. Day, Fishes of India, 1878, pl. lxxx, fig. 6.

197. *Dasyllus trimaculatus* Rüppell, Atlas Fische, 1827, p. 39.

White-spotted Fish.

From East Coast of Africa to the East Indian Archipelagos.

Fig. Bleeker, Atlas Ichth. ix, 1876, coloured pl. cccix, fig. 8.

Pomacentrus Lacépède, Hist. Nat. Poissons,
iv, 1803, p. 505.

198. *Pomacentrus punctatus* Quoy & Gaimard, Voyage
Freycinet, 1824, p. 395.
Blue-spotted Demoiselle Fish.
Red Sea; seas of Southern Asia.
Fig. Day, Fishes of India, 1878, pl. lxxx, fig. 8.
199. *Pomacentrus chrysurus* Cuvier & Valenciennes,
Hist. Nat. Poissons, v, 1830, p. 423.
Yellow-tailed Demoiselle Fish.
East Indian Archipelago.
200. *Pomacentrus trimaculatus* Cuvier & Valenciennes,
Hist. Nat. Poissons, v, 1830, p. 320.
Three-spotted Demoiselle Fish.
Seas of Eastern Asia.
Fig. Day, Fishes of India, 1878, pl. lxxx, fig. 10.
201. *Pomacentrus trilineatus* Cuvier & Valenciennes,
Hist. Nat. Poissons, v, 1830, p. 428.
Changeable Demoiselle Fish.
Red Sea; seas of Southern Asia.
Fig. Bleeker, Atlas Ichth. ix, 1876, coloured
pl. cdvi, figs. 1-6.

Glyphisodon Lacépède, Hist. Nat. Poissons, iv,
1803, p. 542.

202. *Glyphisodon nemurus* Bleeker, Nederl. Tijdschr.
Dierk. ii, 1865, p. 168.
Yellow-tinged Demoiselle Fish.
Seas of S.E. Asia.
203. *Glyphisodon septemfasciatus* Cuvier & Valenciennes,
Hist. Nat. Poissons, v, 1830, p. 463.
Seven-banded Demoiselle Fish.
Seas of S.E. Asia.
Fig. Day, Fishes of India, 1878, pl. lxxxi, fig. 7.

204. *Glyphisodon sordidus* (Forskål), Descript. Anim.
1775, p. 63.
Striped Demoiselle Fish.
Coasts of S. & E. Africa and Southern Asia.
Fig. Day, Fishes of India, 1878, pl. lxxxiii, fig. 1.
205. *Glyphisodon bengalensis* Bloch, Nat. Ausl. Fische,
iii, 1787, p. 110.
Banded Demoiselle Fish.
Seas of S.E. Asia.
Fig. Bleeker, Atlas Ichth. ix, 1876, coloured pl. cdvii,
fig. 4.
206. *Glyphisodon luridus* Cuvier & Valenciennes, Hist.
Nat. Poissons, v, 1830, p. 475.
Castanet Fish.
Coast of Madeira.
Fig. Jenyns, Zool. Beagle, Fishes, 1840, pl. 9, fig. 2.

LABRIDAE.

Labrus Linnaeus, Syst. Nat. 1758.

207. *Labrus mixtus* Linnaeus, Syst. Nat. 1758.
Cuckoo Wrasse.
European Seas.
Figs. Aflalo, Woburn Library, British Salt-water Fish,
1904, coloured pl. p. 184. Day, British Fishes, i,
1880-1884, pl. lxxii, figs. 1 & 2.
208. *Labrus bergylta* Ascanius, Icon. i. 1767, p. 46.
Labrus maculatus, List of Animals, 1896.
Ballan Wrasse.
European and N.W. African coasts.
Fig. Day, British Fishes, i, 1880-1884, pls. lxx & lxxi.

Crenilabrus Cuvier, Mem. Mus. Hist. Nat.
Paris, i, 1815, p. 357.

209. *Crenilabrus melops* (Linnaeus), Syst. Nat. 1758.
Corkwing Wrasse.
European Seas.
Fig. Day, British Fishes, i, 1880-1884, pl. lxxiii.

Acantholabrus Cuvier & Valenciennes, Hist.
Nat. Poissons, iii, 1829, p. 242.

210. *Acantholabrus palloni* Cuvier & Valenciennes, Hist.
Nat. Poissons, xiii, 1839, p. 243.
Emerald Wrasse.
Coast of Southern Europe ; Madeira.
Fig. Webb & Berthelot, Iles Canar., Poissons, 1836,
coloured pl. 17, fig. 4.

Ctenolabrus Cuvier & Valenciennes, Hist.
Nat. Poissons, xiii, 1839, p. 242.

211. *Ctenolabrus rupestris* (Linnaeus), Syst. Nat. 1758.
Goldfinny Wrasse.
European Seas.
Fig. Day, British Fishes, i, 1880-1884, pl. lxxiv.

Julis Cuvier, Mem. Mus. Hist. Nat. Paris, i,
1815, p. 362.

212. *Julis pavo* Lacépède, Hist. Nat. Poissons, iii, 1802,
p. 484.
Swallow-tailed Wrasse.
Mediterranean ; coast of Madeira.
Fig. Low, Fishes of Madeira, 1843, coloured pl. i.

Coris Lacépède, Hist. Nat. Poissons, iii, 1802,
p. 96.

213. *Coris julis* (Linnaeus), Syst. Nat. 1758.
Burrowing Wrasse.
Southern European Seas; coasts of Canary Islands
and Madeira.
Fig. Day, British Fishes, i, 1880-1884, pl. lxxvii.

Trochocopus Günther, B. M. Cat. Fishes, iv,
1862, p. 100.

214. *Trochocopus scrofa* Cuvier & Valenciennes, Hist.
Nat. Poissons, xiii, 1839, p. 93.
Pink Wrasse.
Coasts of Madeira and Canary Islands.

SCARIDAE.

Scarus Forskål, Descrip. Anim. 1775, p. 25.

215. *Scarus cretensis* (Linnaeus), Syst. Nat. 1758
Madeira Parrot Fish.
Mediterranean; Madeira; Canary Islands.
Fig. Webb & Berthelot, Iles Canar., Poissons, 1836,
coloured pl. 17, fig. 2.

TRACHINIDAE.

Trachinus Linnaeus, Syst. Nat. 1758.

216. *Trachinus draco* Linnaeus, Syst. Nat. 1758.
Large Weever.
European Seas; coast of West Africa.
Fig. Day, British Fishes, i, 1880-1884, pl. xxx.

217. *Trachinus vipera* Cuvier & Valenciennes, Hist. Nat. Poissons, iii, 1829, p. 254.
 Lesser Weever.
 European Seas.
Fig. Day, British Fishes, i, 1880-1884, pl. xxxi.

CALLIONYMIDAE.

Callionymus Linnaeus, Syst. Nat. 1758.

218. *Callionymus lyra* Linnaeus, Syst. Nat. 1758.
 Dragonet.
 European Seas.
Fig. Day, British Fishes, i, 1880-1884, pl. liv.

Sub-order TRICHIUROIDEA.

Families :

- | | | |
|------------------|--|----------------|
| 1. Trichiuridae. | | 2. Gempylidae. |
|------------------|--|----------------|

Sub-order SCOMBROIDEA.

Families :

- | | | |
|--------------------|--|---------------------|
| 1. Scombridae. | | 4. Xiphiidae. |
| 2. Luvaridae. | | 5. Chiasmodontidae. |
| 3. Histiophoridae. | | |

Sub-order SIGANOIDEA.

Family :
 Siganidae.

Sub-order TEUTHIDOIDEA.

Families :		Page
1. Teuthidae		373
2. Acanthuridae		—

TEUTHIDAE.

Teuthis Linnaeus, Syst. Nat. 1766.

219. *Teuthis vermiculata* Cuvier & Valenciennes, Hist.
 Nat. Poissons, x, 1835, p. 126.
 Mottled Fish.
 Coasts of S.E. Asia.
Fig. Day, Fishes of India, 1878, pl. xl, fig. 1.

Sub-order KURTOIDEA.

Family :
 Kurtidae.

Sub-order MUGILOIDEA.

Families :		Page
1. Mugilidae		374
2. Atherinidae		374
3. Sphyraenidae		—

MUGILIDAE.

Mugil Linnaeus, Syst. Nat. 1758.

220. *Mugil cephalus* Linnaeus, Syst. Nat. 1758.
 Grey Mullet.
 European, Asiatic, and American Seas.
Fig. Jordan, Guide to the Study of Fishes, ii, 1905,
 fig. 174.

ATHERINIDAE.

Atherina Linnaeus, Syst. Nat. 1758.

221. *Atherina presbyter* Jenyns, Man. 1835, p. 377.
 Sand-Smelt.
 European Seas ; coast of Madeira.
Fig. Day, British Fishes, i, 1880-1884, pl. lxxv, fig. 1.

Sub-order POLYNEMOIDEA.

Family :

Polynemidae.

Sub-order ANABANTOIDEA.

Families :

	Page
1. Ophicephalidae	374
2. Anabantidae.....	375

OPHICEPHALIDAE.

Ophicephalus Bloch, Naturg. Ausl. Fische,
 viii, 1793, p. 137.

222. *Ophicephalus punctatus* Bloch, Naturg. Ausl. Fische,
 viii, 1793, p. 139.
 Spotted Snake-headed Fish.
 Fresh waters of Southern Asia.
Fig. Day, Fishes of India, 1878, pl. lxxviii, fig. 1.

223. *Ophicephalus striatus* Bloch, Naturg. Ausl. Fische, viii, 1793, p. 141.
 Striped Snake-headed Fish.
 Fresh waters of S.E. Asia.
Fig. Hamilton-Buchanan, Fishes Ganges, 1822, pl. 31, fig. 17 (*Ophicephalus wrahl*).

ANABANTIDAE.

Anabas Cuvier, Règne Anim. 1817, p. 339.

224. *Anabas scandens* (Daldorf), Trans. Linn. Soc. iii, 1797, p. 62.
 Climbing Perch.
 Fresh waters of Southern Asia.
Fig. Day, Fishes of India, 1878, pl. lxxviii, fig. 3.

Osphromenus Lacépède, Hist. Nat. Poissons, iii, 1802, p. 116.

225. *Osphromenus gourami* Lacépède, Hist. Nat. Poissons, iii, 1802, p. 117.
Osphromenus olfax Günther, B. M. Cat. Fishes, iii, 1861, p. 382.
 Common Gourami.
 Fresh waters of Southern Asia.
Fig. Day, Fishes of India, 1878, pl. lxxix, fig. 6.

Trichopodus Lacépède, Hist. Nat. Poissons, iii, 1802, p. 129.

226. *Trichopodus leerii* Bleeker, Nat. Tijdschr. Nederl. Ind. iii, 1852, p. 577.
Osphromenus trichopterus.
 Thread-finned Gurami.
 Fresh waters of S.E. Asia.
Fig. Regan, P. Z. S. 1909, ii, pl. lxxix, fig. 2.

Trichogaster Bloch & Schneider, Syst.

Ichth. 1801, p. 164.

227. *Trichogaster lalius* Hamilton-Buchanan, Fishes
Ganges, 1822, p. 120.
Dwarf Rainbow Fish.
Fresh waters of India.
Fig. Portielje, Mijn Aquarium, 1925, coloured fig. 62,
p. 53.
228. *Trichogaster labiosus* Day, Fishes of India, 1878,
p. 374.
Thick-lipped Rainbow Fish.
Fresh waters of India.
Fig. Day, Fishes of India, 1878, pl. lxxix, fig. 1.
229. *Trichogaster fasciatus* Bloch & Schneider, Syst.
Ichth. 1801, p. 164.
Striped Rainbow Fish.
Fresh waters of India.
Fig. Day, Fishes of India, 1878, pl. lxxviii, fig. 6.

Macropodus Lacépède, Hist. Nat. Poissons,

iii. 1802, p. 416.

230. *Macropodus opercularis* (Linnaeus), Amoen. Acad.
iv, 1788, p. 248.
Macropus viridi-auratus, List of Animals, 1896.
Paradise Fish.
Fresh waters of China, Cochinchina, and Formosa.
Figs. Bade, Süßwasser Aquar. 1923, coloured frontis-
piece. Portielje, Mijn Aquarium, 1925, coloured
fig. G, p. 53.
This fish frequently breeds in the Aquarium.

231. *Macropodus cupanus* Cuvier & Valenciennes, Hist.
Nat. Poissons, vii, 1831, p. 357.

Polyacanthus cupanus Günther, B. M. Cat. Fish.
1861.

Pointed-tailed Gurami.

Fresh waters of India, Ceylon, and the Malay Peninsula.

Fig. Day, Fishes of India, 1878, pl. lxxviii, fig. 4.

Polyacanthus Cuvier & Valenciennes, Hist. Nat. Poissons, vii, 1831, p. 353.

232. *Polyacanthus signatus* Günther, B. M. Cat. Fishes, iii, 1861, p. 379.

Turquoise-eyed Gurami.

Fresh waters of Ceylon.

Fig. Regan, P. Z. S. 1909, ii, pl. lxxvii, fig. 5.

Ctenops McClelland, Calc. Journ. Nat. Hist. v, 1844, p. 281.

233. *Ctenops vittatus* (Cuvier & Valenciennes), Hist. Nat. Poissons, vii, 1831, p. 387.

Croaking Gurami.

Fresh waters of S.E. Asia.

Fig. Portielje, Mijn Aquarium, 1925, coloured fig. 122, p. 89.

Betta Bleeker, Verb. Batav. Genootsch. xxiii, 1850, 8, p. 12.

234. *Betta pugnax* (Cantor), Cat. Malay Fishes, 1850, p. 84.

Cantor's Fighting Fish.

Fresh waters of Pinang.

Fig. Cantor, Cat. Malay Fishes, 1850, pl. ii, figs. 1-3, p. 84.

235. *Betta rubra* Perugia, Ann. Mus. Genova (2), xiii, 1893, p. 242.

Red Fighting Fish.

Fresh waters of Sumatra.

Fig. Regan, P. Z. S. 1909, ii, pl. lxxvii, fig. 1.

236. *Betta splendens* Regan, P. Z. S. 1909, ii, p. 782.
 Regan's Fighting Fish.
 Fresh waters of Siam and the Malay Peninsula.
Figs. Waite, Rec. Austral. Mus. v, 1904, pl. xxxviii,
 p. 293 (*Betta pugnax*). Rachow, Trop. Aquarium
 Cat. 1927, coloured pl. lxxxvi.

Sub-order STROMATEOIDEA.

Family :

Stromateidae.

Sub-order GOBIOIDEA.

Families :

	Page
1. Eleotridae	378
2. Gobiidae	378
3. Psammichthyidae	—

ELEOTRIDAE.

Dormitator Jordan & Evermann, Bull. U.S.
 Nat. Mus. xlvii. 1898, p. 2195.

237. *Dormitator maculatus* (Bloch), Ausl. Fische, 1790,
 p. 299.
 Central American Goby.
 Coasts and Rivers of Central America.
Fig. Bade, Süßwasser Aquar. 1923, p. 647, fig. 441.

GOBIIDAE.

Gobius Linnaeus, Syst. Nat. 1758.

238. *Gobius niger* Linnaeus, Syst. Nat. 1758.
 Black Goby.
 European Seas.
Fig. Day, British Fishes, 1880-1884, pl. lii. fig. 2.

239. *Gobius minutus* Pallas, Spic. Zool. viii, 1770, p. 4.
 Freckled Goby.
 European Seas.
Fig. Day, British Fishes, 1880-1884, pl. lii, fig. 4.
240. *Gobius ruthensparri* Euphrasen, Nya Handl. Stockh.
 1786, p. 64.
 Two-spotted Goby
 Seas of Northern Europe.
Fig. Day, British Fishes, 1880-1884, pl. lii, fig. 1.
241. *Gobius paganellus* Linnaeus, Syst. Nat. 1758.
 Rock Goby.
 European Seas.
Fig. Day, British Fishes, i, 1880-1884, pl. lii, fig. 2.

Sub-order BLENNIOIDEA.

Families :

	Page		Page
1. Blenniidae	379	10. Lumpenidae	—
2. Anarhichadidae	380	11. Microdesmidae	—
3. Congrogalidae	—	12. Pillichthyidae	—
4. Notograptidae	—	13. Zoarcidae	380
5. Clinidae	—	14. Sytalinidae	—
6. Dactyloscopidae	—	15. Rhodichthyidae	—
7. Xiphidiontidae	—	16. Brotulidae	—
8. Stichaeidae	—	17. Ophidiidae	—
9. Pholididae	380	18. Fierasferidae	—

BLENNIIDAE.

Blennius Linnaeus, Syst. Nat. 1758.

242. *Blennius gattorugine* Linnaeus, Syst. Nat. 1758.
 Tompot Blenny.
 European Seas.
Fig. Day, British Fish, 1880-1884, pl. lix, fig. 1.

243. *Blennius ocellaris* Linnaeus, Syst. Nat. 1758.
 Butterfly Blenny.
 European Seas.
Fig. Day, British Fishes, 1880-1884, pl. lix. fig. 2.
244. *Blennius pholis* Linnaeus, Syst. Nat. 1758.
 Common Blenny.
 European Seas.
Fig. Day, British Fishes, 1880-1884, pl. lx, fig. 2.

ANARHICHADIDAE.

Anarhichas Linnaeus, Syst. Nat. 1758.

245. *Anarhichas lupus* Linnaeus, Syst. Nat. 1758.
 Wolf-Fish.
 Seas of Northern Europe and America.
Fig. Day, British Fishes, 1880-1884, pl. lviii.

PHOLIDIDAE.

Pholis Gronovius, Zoophyl. 1763, p. 78.

246. *Pholis gunnellus* Linnaeus, Syst. Nat. 1758.
 Butterfish or Nine-Eyes.
 Coasts of Northern Europe.
Fig. Day, British Fishes, 1880-1884, pl. lxi, fig. 1.

ZOARCIDAE.

Zoarces Cuvier, Règne Anim. ii, 1829, p. 240.

247. *Zoarces viviparus* (Linnaeus), Syst. Nat. 1758.
 Eel-Pout.
 Seas of Northern Europe.
Fig. Day, British Fishes, 1880-1884, pl. lxi, fig. 2.

Order DISCOCEPHALI.

Family:

Echeneididae.

Order SCLEROPAREI.

Families:

	Page		Page
1. Scorpaenidae	381	11. Congiopodidae	—
2. Triglidae	381	12. Cottidae	382
3. Caracanthidae	—	13. Cottunculidae	—
4. Aploactidae.....	—	14. Psychrolutidae	—
5. Synanicidae	—	15. Comephoridae... ..	—
6. Pataecidae	—	16. Agonidae.....	383
7. Hexagrammidae	—	17. Cyclopteridae	383
8. Anoplopomatidae ..	—	18. Gasterosteidae	383
9. Platycephalidae	—	19. Aulorhynchidae	—
10. Hoplichthyidae	—	20. Dactylopteridae	—

SCORPAENIDAE.

Sebastes Cuvier & Valenciennes, Hist. Nat.
Poissons, iv, 1829, p. 326.

248. *Sebastes madurensis* Cuvier & Valenciennes, Hist.
Nat. Poissons, ix, 1833, p. 463.

Madeira Scorpion Fish.

Coast of Madeira.

Fig. Law, Fishes of Madeira, 1860, coloured pl. v.

TRIGLIDAE.

Trigla Linnaeus, Syst. Nat. 1758.

249. *Trigla gurnardus* Linnaeus, Syst. Nat. 1758.

Common Gurnard.

European Seas.

Fig. Day, British Fishes, i, 1880-1884, pl. xxv.

250. *Trigla hirundo* Linnaeus, Syst. Nat. 1758.
Sapphirine Gurnard.
European Seas.
Fig. Day, British Fishes, i, 1880-1884, pl. xxiv.
251. *Trigla cuculus* Linnaeus, Syst. Nat. 1758.
Red Gurnard.
European Seas.
Fig. Aflalo, Woburn Library, British Salt-water Fish, 1904, coloured pl. p. 148.

COTTIDAE.

Cottus Linnaeus, Syst. Nat. 1758.

252. *Cottus gobio* Linnaeus, Syst. Nat. 1758.
Miller's Thumb.
European fresh waters.
Figs. Day, British Fishes, i, 1880-1884, pl. xix, fig. 2.
Walter, Süßwasser Fische, 1913, coloured pl. ii.
253. *Cottus scorpius* Linnaeus, Syst. Nat. 1758.
Common Sea-Scorpion.
European Seas.
Fig. Day, British Fishes, i, 1880-1884, pl. xix, fig. 1,
& pl. xx, fig. 1.
254. *Cottus bubalis* Euphrasen, Nya Handl. Stockh. vii,
1786, p. 65.
Long-spined Sea-Scorpion.
European Seas.
Fig. Day, British Fishes, i, 1880-1884, pl. xx, fig. 2.
255. *Cottus quadricornis* Linnaeus, Syst. Nat. 1758.
Four-horned Sea-Scorpion.
Seas of Northern Europe.
Fig. Day, British Fishes, i, 1880-1884, pl. xvi.

AGONIDAE.

Agonus Bloch & Schneider, Syst. Ichth. 1801,
p. 104.

256. *Agonus cataphractus* (Linnaeus), Syst. Nat. 1758.

Pogge.

European Seas.

Fig. Day, British Fishes, i, 1880-1884, pl. xxviii,
fig. 1.

CYCLOPTERIDAE.

Cyclopterus Linnaeus, Syst. Nat. 1758.

257. *Cyclopterus lumpus* Linnaeus, Syst. Nat. 1758.

Lump-Sucker.

Seas of Northern Europe and America.

Fig. Aflalo, Woburn Library, British Salt-water
Fish, 1904, coloured pl. p. 164.

Liparis Scopoli, Intr. Hist. Nat. Prague,
1777, p. 453.

258. *Liparis liparis* (Linnaeus), Syst. Nat. 1758.

Common Sucker Fish.

Seas of Northern Europe and America.

Fig. Day, British Fishes, i, 1880-1884, pl. lvi, fig. 1.

GASTEROSTEIDAE.

Gasterosteus Linnaeus, Syst. Nat. 1758.

259. *Gasterosteus aculeatus* Linnaeus, Syst. Nat. 1758.

Three-spined Stickleback.

Fresh waters and coasts of Northern Europe.

Figs. Regan, British Freshwater Fishes, 1911, fig. 22,
Walter, Süßwasser Fische, 1913, coloured pl. iv.

Pygosteus Gill, Proc. Acad. Nat. Sci. Philad.,
Supplement, 1861.

260. *Pygosteus pungitius* (Linnaeus), Syst. Nat. 1758.

Gasterosteus pungitius, List of Animals, 1896.

Ten-spined Stickleback.

Fresh waters of Northern Europe and America ;
Baltic Sea.

Fig. Regan, British Freshwater Fishes, 1911, fig. 23,
p. 249.

Spinachia Cuvier, Règne Anim. 1817, p. 320.

261. *Spinachia spinachia* Linnaeus, Syst. Nat. 1758.

Gasterosteus spinachia, List of Animals, 1896.

Fifteen-spined Stickleback.

European Seas.

Fig. Day, British Fishes, i, 1880-1884, pl. lxxviii,
fig. 5.

Order HYPOSTOMIDES.

Family :

Pegasidae.

Order HETEROSOMATA.

Families :

	Page
1. Bothidae	385
2. Pleuronectidae	385
3. Soleidae	386
4. Cynoglossidae	—

BOTHIDAE.

Rhombus (ex Klein), J. J. Walbaum, Artedi,
Ichth. (3) ed. 2, 1792, p. 582.

262. *Rhombus rhombus* (Linnaeus), Syst. Nat. 1758.

Rhombus lavis, List of Animals, 1896.

Brill.

European Seas.

Fig. Day, British Fishes, ii, 1880-1884, pl. xvii.

263. *Rhombus maximus* (Linnaeus), Syst. Nat. 1758

Turbot.

European Seas.

Fig. Day, British Fishes, ii, 1880-1884, pl. xevi

PLEURONECTIDAE.

Pleuronectes Linnaeus, Syst. Nat. 1758.

264. *Pleuronectes platessa* Linnaeus, Syst. Nat. 1758.

Plaice.

European Seas.

Fig. Aflalo, Woburn Library, British Salt-water
Fish, 1904, coloured pl. p. 284.

265. *Pleuronectes flesus* Linnaeus, Syst. Nat. 1758.

Flounder.

European Seas and Estuaries.

Fig. Day, British Fishes, ii, 1880-1884, pl. ci.

266. *Pleuronectes limanda* Linnaeus, Syst. Nat. 1758.

Dab.

European Seas.

Fig. Day, British Fishes, ii, 1880-1884, pl. civ.

Microstomus Gottsche, Wiegmann's Archiv
der Naturgeschichte, ii, 1835, p. 150.

267. *Microstomus microcephalus* (Donovan), Brit. Fish, es
ii, 1802, pl. 42.

Lemon Sole or Merry Sole.

North European Seas.

Fig. Day, British Fishes, ii, 1880-1884, pl. cii
(*Pleuronectus microcephalus*).

SOLEIDAE.

Solea (ex Klein), J. J. Walbaum, Artedi, Ichth.
(3) ed. 2, 1792, p. 582.

268. *Solea solea* (Linnaeus), Syst. Nat. 1758.

Solea vulgaris, List of Animals, 1896.

Common Sole.

European Seas.

Fig. Day, British Fishes, ii, 1880-1884, pl. cvi.

Order PLECTOGNATHI.

Families:

	Page		Page
1. Triacanthidae	—	5. Tetraodontidae	387
2. Triodontidae	—	6. Diodontidae	—
3. Balistidae	386	7. Molidae	—
4. Ostraciontidae	—		

BALISTIDAE.

Balistes Linnaeus, Syst. Nat. 1758.

269. *Balistes verrucosus* Linnaeus, Syst. Nat. 1758.

Clown Fish.

Seas of S.E. Asia.

Fig. Bleeker, Atlas Ichth. v, 1865, pl. ccxvi, coloured
fig. 2.

TETRAODONTIDAE.

Tetraodon Linnaeus, Syst. Nat. 1758.

270. *Tetraodon spengleri* Bloch, Ausl. Fische, i, 1785,
p. 135.

Common Atlantic Puffer-Fish.

Atlantic, from Madeira to the West Indies.

Fig. Webb & Berthelot, Iles Canar., Poissons, 1836,
pl. 20, coloured fig. 2.

271. *Tetraodon honckeni* Bloch, Ausl. Fische, i, 1785,
p. 133.

Banded Puffer-Fish.

Coasts of Eastern Africa and Southern Asia.

Fig. Bleeker, Atlas Ichth. v, 1865, pl. cevi, coloured
fig. 2.

272. *Tetraodon fluviatilis* Hamilton-Buchanan, Fishes
Ganges, 1822, p. 6.

Green Puffer-Fish.

Fresh waters and coasts of S.E. Asia.

Fig. Day, Fishes of India, 1878, pl. clxxxiii, fig. 1.

Canthigaster Swainson, Nat. Hist. Fishes, ii,
1839, p. 194.

273. *Canthigaster rostratus* (Bloch), Ausl. Fische, ii,
p. 8.

Madeira Pig-Fish.

Coast of Madeira.

Fig. Bloch, Ausl. Fische, ii, 1786, pl. 146, fig. 2
(*Tetrodon rostratus*).

274. *Canthigaster margaritatus* Rüppell, Rothes Meer,
1828, p. 66.

Spouting Pig-Fish.

Coasts of East Africa and Southern Asia.

Fig. Bleeker, Atlas Ichth. v, 1865, pl. cexiii, coloured fig. 4.

This fish has been observed in the Aquarium to fill its mouth with water and to shoot out the contents to a distance of over a foot, on rising to the surface.

Order XENOPTERYGII.

GOBIESCOCIDAE.

Lepadogaster Gouan, Hist. Pisc. 1770, p. 106.

275. *Lepadogaster bimaculatus* (Donndorff), Zool. Beyt. iii, 1798, p. 818.

Two-spotted Sucker Fish.

European Seas.

Fig. Day, British Fishes, i, 1880-1884, pl. lvii, fig. 3.

Order SYMBRANCHII.

Families:

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1. Symbranchidae	—
2. Amphipnoidae	388

AMPHIPNOIDAE.

Amphipnous Müller, Abh. Akad. Wiss. Berlin, iv, 1839, p. 244.

276. *Amphipnous cuchia* Hamilton-Buchanan, Fishes Ganges, 1822, p. 16.

Snake-Fish.

Fresh waters of India and Burma.

Fig. Day, Fishes of India, 1878, pl. clxvii, fig. 1.

Order **PEDICULATI.**

Families :

- | | |
|------------------------|----------------------|
| 1. Batrachoididae. | 9. Lynophryniidae. |
| 2. Lophiidae. | 10. Oneirodidae. |
| 3. Antennariidae. | 11. Melanocetidae. |
| 4. Brachionichthyidae. | 12. Ceratiidae. |
| 5. Chaunacidae. | 13. Gigantactinidae. |
| 6. Onchocephalidae. | 14. Himantolophidae. |
| 7. Photocorynidae. | 15. Aceratiidae. |
| 8. Caulophryniidae. | |

Order **OPISTHOMI.**

Families :

- | | |
|---------------------|-------------------|
| 1. Mastacembelidae. | 2. Chaudhuriidae. |
|---------------------|-------------------|

Sub-class **CROSSOPTERYGII.**Order **DIPNEUSTI.**

Families :

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1. Ceratodontidae.....	389
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3. Protopteridae	390

CERATODONTIDAE.

Neoceratodus Castelnau, Journ. Zool. (Gervais)
v, 1876, p. 132.

277. *Neoceratodus forsteri* (Kreff), P. Z. S. 1870, p. 221.
Australian Lung-Fish, or Barramunda.
Queensland.

Fig. Bashford Dean, P. Z. S. 1906, i, p. 168,
pl. ix.

Literature. Bashford Dean, P. Z. S. 1912, ii, p. 607.
(Habits.)

Two specimens arrived in the Gardens on 13th June,
1908. One died 2nd Sept. 1915, the other 30th Dec.
1917.

Two other specimens, received on 15th Nov. 1921, are
still alive.

LEPIDOSIRENIDAE.

Lepidosiren Fitzinger, Oken's Isis, 1837, p. 379.

278. *Lepidosiren paradoxa* Fitzinger, Oken's Isis, 1837,
p. 379.

South American Lung-Fish.

Fresh waters of Brazil and Paraguay.

Fig. Lankester, Trans. Zool. Soc. xiv, 1896, pl. ii,
fig. 1.

Literature. Hunt, P. Z. S. 1898, p. 41. (Habits.)

PROTOPTERIDAE.

Protopterus Owen, Proc. Linn. Soc. 1839, p. 27.

279. *Protopterus annectens* Owen, Proc. Linn. Soc. 1839,
p. 27.

Common African Lung-Fish.

Rivers and swamps of Tropical Africa.

Fig. Lankester, Trans. Zool. Soc. xiv, 1896, pl. ii,
fig. 2.

Specimens of this and following species have been
received alive at the Gardens in the dry state.

280. *Protopterus aethiopicus* Heckel, Sitzungsber. Ak.
Wien, vii, 1851, p. 685.

Heckel's African Lung-Fish.

Rivers and swamps of Tropical East and Central
Africa.

Fig. Boulenger, B. M. Cat. Freshwater Fishes of Africa, i, 1909, fig. 16.

Literature. Budgett, Trans. Zool. Soc. xvi, 1901, p. 119. (Habits.)

281. *Protopterus dolloi* Boulenger, Ann. Mus. Congo, Zool. i, 1900, p. 155.

Dollo's African Lung-Fish.

Rivers and swamps of the Gaboon and Belgian Congo.

Fig. Boulenger, B. M. Cat. Freshwater Fishes of Africa, i, 1909, p. 23, fig. 16.

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