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CATALOGUE
OF THE
L I Z A R D S

IN THE
BRITISH MUSEUM
(NATURAL HISTORY).

SECOND EDITION.

BY
GEORGE ALBERT BOULENGER.

VOLUME III.
LACERTIDÆ, GERRHOSAURIDÆ, SCINCIDÆ,
ANELYTROPIDÆ, DIBAMIDÆ,
CHAMÆLEONTIDÆ.

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1887.

same as in the latter form, the number of longitudinal series varying from six to eight. Dorsal scales feebly but distinctly keeled, 80 to 100 across the middle of the body. Femoral pores 17 to 19. Green above, with light ocelli disposed as in *L. ocellata*.

From snout to vent 138 millim.

Morocco.

a-f. ♂ & yg.

Tangiers.

M. H. Vaucher [C.].

3. *Lacerta viridis*.

Lacerta viridis, *Gray, Cat.* p. 31.

Seps viridis, *Laur. Syn. Rept.* p. 62.

Lacerta europæa, part., *Pallas, Zoogr. Ross.-As.* iii. p. 29.

— *viridis*, *Dum. & Bibr.* v. p. 210; *Schreib. Herp. Eur.* p. 441;
Bedriaga, Abh. Senckenb. Ges. xiv. 1886, p. 62.

Head moderate; snout moderately long, obtuse. Rostral usually touching or entering the nostril; normally two regularly superposed postnasals and four upper labials anterior to the subocular; a series of granules may be present between the supraoculars and the supraciliaries; occipital narrower than the frontal; temples covered with flat scales; two large temporal shields in contact with the parietal. Gular fold usually distinct; 16 to 25 gular scales on a line between the collar and the third pair of chin-shields; collar with serrated edge, composed of 7 to 12 plates. Dorsal scales oval-hexagonal or rhomboidal, keeled, not or but slightly larger on the sides, where two or three correspond to the length of a ventral plate; 40 to 58 scales across the middle of the body. Ventral plates in 6 or 8 longitudinal series, the second series of each side from the median ventral line the largest; 25 to 31 transverse series. Præanal plate bordered by two semicircles of small plates. The hind limb reaches between the wrist of the adpressed fore limb and the shoulder. Foot, in the female and young, longer than the head. Femoral pores 12 to 20. Tail usually about twice as long as head and body; caudal scales keeled, pointed posteriorly.

Central and Southern Europe; South-western Asia.

A. *Forma typica*.

Seps sericeus, *Laur. l. c.* p. 61, pl. ii. fig. 5.

— *terrestris*, *Laur. l. c.* pl. iii. fig. 1.

— *varius*, *Laur. l. c.* pl. iii. fig. 2.

— *viridis*, *Laur. l. c.* p. 62.

Lacerta viridis, *Daud. Rept.* iii. p. 144, pl. xxxiv.; *Lichtenst. Verz. Doubl. Mus. Berl.* p. 92; *Dugès, Ann. Sc. Nat.* xvi. 1829, p. 373; *Gachet, Act. Soc. Linn. Bord.* vi. 1833, p. 168; *Eversm. Nouv. Mém. Soc. Mosc.* iii. 1834, p. 339; *Bonap. Faun. Ital.; Tschudi, Neue Denkschr. Allgem. Schweiz. Naturf. Ges.* i. 1837, no. 4, p. 18; *Schulz, Faun. March.* p. 447; *De Betta, Mem. Acc. Verona*, xxxv. 1857, p. 129; *Fatio, Vert. Suisse*, iii. p. 69; *Leydig, Deutschl. Saur.* p. 182; *De Betta, Faun. Ital., Rett. Anf.* p. 25; *Lataste,*

- Herp. Gir.* p. 83; *Camerano, Mon. Saur. Ital.* p. 72, and *Boll. Mus. Torin.* i. 1886, no. 11.
Lacerta bilineata, Daud. l. c. p. 152, pl. xxxv. fig. 1.
 — *sericea, Daud. l. c.* p. 224.
 — *chloronota, Rafin. Caratt. ale. n. Gen. Anim.* p. 7.
 — *varius, M.-Edu. Ann. Sc. Nat.* xvi. 1829, pp. 44, 83.
 — *elegans, Andrzej. Nouv. Mém. Soc. Nat. Mosc.* ii. 1832, p. 328.
 — *smaragdina, Meisner, Mus. Nat. Helv.* i. pl. 4, pl. vi.
 — *cyanokæma, Glückselig, Lotos,* 1851, p. 111.
 — *viridis, vars. concolor, punctata, part., and maculata, Bedriaga, Abh. Senck. Ges. t. c.*

Granules between the supraoculars and the supraciliaries often absent; occipital usually very small; usually a distinct masseteric plate but no tympanic. 42 to 50 scales across the middle of the body, the laterals a little larger than the median dorsals. Usually only 6 longitudinal rows of ventrals. Femoral pores 13 to 18. Young brown or green above, with one or two more or less distinct yellowish lateral streaks, which may persist in the adult female. Adult green above, uniform or dotted or spotted with black, or blackish-olive speckled with green; lower surfaces yellow, uniform; throat usually blue, especially in the males.

| | ♂. | ♀. |
|-------------------------------------|---------|---------|
| | millim. | millim. |
| Total length | 400 | 355 |
| Head | 28 | 24 |
| Width of head | 18 | 15 |
| From end of snout to fore limb . . | 43 | 42 |
| From end of snout to vent | 110 | 120 |
| Fore limb | 36 | 39 |
| Hind limb | 64 | 64 |
| Tail | 290 | 235 |

Italy, France, Switzerland, Austria, Germany, Russia.

| | | |
|------------------------------|--------------------|-----------------------------|
| a. Many specs., ♂, ♀, & hgr. | Jersey. | |
| b-c. ♀. | St. Malo. | G. A. Boulenger, Esq. [P.]. |
| d-e. ♀ & yg. | Cadillac, Gironde. | M. F. Lataste [P.]. |
| f-k. ♂ ♀. | Prague. | |
| l-p. ♂, ♀, & yg. | Verona. | M. E. de Betta [P.]. |
| q. Many specs., ♂ ♀. | Turin. | Prof. Bonelli [P.]. |
| r. ♀. | Turin. | Lord A. Russell [P.]. |
| s. Yg. | Genova. | Hr. Jeitteles [C.]. |
| t. ♂. | Perugia. | W. C. Trevelyan, Esq. [P.]. |
| u. Yg. | Elba. | W. C. Trevelyan, Esq. [P.]. |
| v-w. ♀. | Lece. | Florence Museum [E.]. |
| x-z. ♂. | Modica, Sicily. | Florence Museum [E.]. |
| α-β. ♂ ♀. | Cattaro, Dalmatia. | Florence Museum [E.]. |

B. Var. *schreiberi*.

- Lacerta agilis, vars. b, c, Schreiber, l. c.* p. 434.
 — *schreiberi, Bedriaga, Arch. f. Nat.* 1878, p. 299, pl. x. fig. 3;
Seoane, Ident. de Lac. Schreiberi y L. Gadovii, 1885.

- Lacerta viridis*, *Boettger, Zeitschr. Ges. Naturw.* (3) iv. 1879, p. 505.
 ———, var. *gadovii*, *Bouleng. Proc. Zool. Soc.* 1884, p. 438,
 pl. xxxviii.; *Bedriaga, Abh. Senckenb. Ges.* xiv. 1886, p. 74.
 ———, var. *schreiberi*, *Bedriaga, l. c.* p. 76.

Approaching *L. ocellata*. Granules between the supraoculars and the supraoculars usually reduced to three or four; occipital rather large, usually broader than the interparietal; no distinct tympanic shield. Dorsal scales smaller, less distinctly hexagonal, less strongly keeled than in the typical form; 52 to 58 scales across the middle of the body; lateral scales larger than median dorsals. Usually 8 well-developed rows of ventrals. Femoral pores 12 to 17, usually 13 or 14. Young olive or brownish above, with large yellow or bluish-white, black-edged ocelli on the sides of the head and body. These ocelli often disappear in the adult, which are green or brown above, variously spotted or reticulated with black. Lower surfaces yellowish, immaculate in the young, often with round black spots in the adult. Throat blue in the adult.

| | ♂. millim. | ♀. millim. |
|-----------------------------------|---------------|---------------|
| Total length..... | 260 | 287 |
| Head | 23 | 22 |
| Width of head | 16 | 15 |
| From end of snout to fore limb .. | 36 | 36 |
| From end of snout to vent | 90 | 97 |
| Fore limb..... | 30 | 33 |
| Hind limb | 46 | 47 |
| Tail | 170 | 190 |

Spain and Portugal.

| | | |
|---------------------------------------|------------------------------|--|
| <i>a-f.</i> ♂ & yg. | Coruña. | M. V. L. Seoane [P.]. |
| <i>g-i, k-m.</i> ♂, ♀, hgr., & yg. | Serra de Gerez. | Dr. H. Gadow [C.]. |
| <i>n.</i> ♀. | Coimbra. | Dr. H. Gadow [C.]. |
| <i>o-r.</i> ♂, ♀, & yg. | Serra de Monchique, Algarve. | Dr. H. Gadow [C.]. (Types of var. <i>gadovii</i> .) |

C. Var. *major*.

- Lacerta viridis*, *Bibr. & Bory de St. Vinc. Expéd. Sc. Morée, Zool.*
 p. 66, pl. x. fig. 1; *Bedriaga, Bull. Soc. Nat. Mosc.* 1881, p. 74.
 ——— *quinquevittata* (*non Mén.*), *Erhard, Faun. Cycl.* i. p. 80.
Tropidosaura algira (*non L.*), *Erhard, l. c.*
Lacerta viridis, vars. *punctata* et *trilineata*, part., *Bedriaga, Abh.*
Senckenb. Ges. t. c.

A larger form, attaining nearly to the size of *L. ocellata*. Constantly a series of granules between the supraoculars and the supraoculars; occipital usually as broad as or a little broader but shorter than the interparietal; temporal scales smaller than in the typical form usually with a very distinct tympanic shield. 50 to 58 scales across the middle of the body, the laterals not larger than the

median dorsals. Usually a well-developed additional series of ventrals, making in all eight longitudinal rows. Femoral pores 15 to 20. Young olive above, usually with three or five yellowish longitudinal streaks, the lowermost of which, extending from axilla to groin, is often replaced by a series of round spots. These bands usually disappearing in the adult, which are green on the body and limbs, uniform or finely speckled with black; upper surface of head vermiculated with black; lower surfaces yellow, the outer ventrals often speckled with black; throat never blue.

| | ♂. millim. | ♀. millim. |
|-----------------------------------|---------------|---------------|
| Total length..... | 415 | 350 |
| Head | 36 | 26 |
| Width of head | 27 | 17 |
| From end of snout to fore limb .. | 62 | 42 |
| From end of snout to vent | 155 | 115 |
| Fore limb..... | 49 | 37 |
| Hind limb | 83 | 61 |
| Tail | 260 | 235 |

Dalmatia, Turkey, Greece, Asia Minor.

| | | |
|-----------------|--|---------------------------|
| a. ♂. | Dalmatia. | Dr. Heckel. |
| b-c. ♂. | Greece. | |
| d. ♀. | Syra (?). | |
| e-f. ♂ & hgr. | Rhodes. | C. G. Danford, Esq. [P.]. |
| g, h-m. ♀ & yg. | Crete. | Baron v. Maltzan [C.]. |
| n. ♂. | Asia Minor. | C. Fellows, Esq. [P.]. |
| o-r. Yg. | Smyrna. | |
| s. ♂. | Zebil Bulgar Dagh, Cilian Taurus, 4000 feet. | C. G. Danford, Esq. [P.]. |

D. Var. *strigata*.

Lacerta strigata, Gray, *Cat.* p. 32.

Lacerta strigata, *Eichw. Zool. Spec. Ross. Pol.* iii. p. 189, and *Faun.*

Casp.-Cauc. p. 70, pl. x. figs. 4-6; *Anders. Proc. Zool. Soc.* 1872,

p. 372; *Blanf. Zool. E. Pers.* p. 364.

— *quinquevittata*, *Ménétr. Cat. Rais.* p. 61.

— *viridis*, *Kessler, Tr. St. Petersb. Nat. Soc.* viii. 1878, p. 146;

Boettg. Ber. Senckenb. Ges. 1879-80, p. 170, and in *Radde, Faun.*

Flor. Casp. Geb. p. 39.

— —, var. *strigata*, *Bedriaga, Abh. Senckenb. Ges. t. c.*

p. 91.

Size moderate. A series of granules between the supraoculars and the supraciliaries; occipital small, much shorter than the interparietal; tympanic shield distinct. 40 to 48 scales across the middle of the body; dorsals strongly keeled. Only six longitudinal rows of ventrals. Femoral pores 16 to 20. Young greenish or olive, spotted or marbled with black, and with three or five light dorsal streaks, which may disappear completely in the adult; these may be closely dotted with black, as certain specimens of the

typical form and of var. C; belly yellowish, often dotted with black on the sides.

| | ♂. millim. | ♀. millim. |
|-----------------------------------|---------------|---------------|
| Total length | 395 | 266 |
| Head | 29 | 19 |
| Width of head | 21 | 13 |
| From end of snout to fore limb . | 50 | 31 |
| From end of snout to vent | 125 | 89 |
| Fore limb | 42 | 28 |
| Hind limb | 71 | 45 |
| Tail | 270 | 177 |

Transcaucasia, Persia, Asia Minor, Syria.

| | | |
|-----------|-------------------------------------|---------------------------|
| a. ♀. | Elisabethpol. | St. Petersburg Mus. [E.]. |
| b. Yg. | Jerusalem. | Canon Tristram [C.]. |
| c-d. ♂. | Merom. | Canon Tristram [C.]. |
| e-f. Hgr. | Lake Phiala, under Mount Hermon. | Canon Tristram [C.]. |
| g. ♂. | Eastern slope of Mount Hermon. | Dr. J. Anderson [P.]. |

Bedriaga (Abh. Senckenb. Ges. xiv. 1886, p. 100) distinguishes also a var. *vaillantii* from Persia (?).

4. *Lacerta princeps*.

Lacerta princeps, *Blanf. Ann. & Mag. N. H.* (4) xiv. 1874, p. 31, and *Zool. E. Persia*, p. 364, pl. xxiv.; *Bedriaga, Abh. Senckenb. Ges.* xiv. 1886, p. 123.

General proportions as in *L. viridis*. Rostral touching the nostril; two regularly superposed postnasals; an anterior loreal, in contact with the frontonasal; a few granules between the supraoculars and the supraciliaries; occipital nearly as long as, and much broader than, the interparietal, as broad as the frontal; temples covered with flat scales; two large temporal shields in contact with the parietal; masseteric and tympanic shields distinct. Collar with serrated edge, composed of seven plates. Scales on the neck above and at the sides granular, passing gradually on the shoulders into the subimbricate, equal, rhomboidal, diagonally keeled scales of the back; lateral scales rather smaller than dorsals, not keeled; about 34 scales across the middle of the body. Ventral plates in 8 or 10 longitudinal rows; 31 transverse rows. Præanal plate slightly larger than the others. 14 femoral pores. The hind limb, laid forwards, extends about four fifths of the distance to the axil. Tail more than twice as long as head and body, with all the scales keeled. Olivaceous grey above, whitish below; a few small black spots on the back and sides of the neck, and a row of three or four blue ocelli (those in front double), with black margins, behind, each shoulder, extending in a line for a short distance down each side;