

A Key To The Species of Lizards

Definitely Reported From Kansas*

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This publication is essentially a separate from the writer's "Lizards of Kansas" which is now in press in the Transactions of the Academy of Science of St. Louis. This key is being printed to supply a general demand, and an effort has been made to make it as comprehensible as possible. This has been accomplished partly through changes in the text and partly by the addition of a short glossary of terms.

KEY TO KANSAS LIZARDS

1. Four legs present; lateral fold absent 2
 Legs absent; lateral fold present on sides
 Anguillidae. *Ophisaurus ventralis* (Linne).
2. Femoral pores present or head with conspicuous spines ... 3
 Femoral pores absent and head without spines... Scincidae. 9
3. Lateral scales not abruptly smaller than ventrals; ventrals
 in numerous series Iguanidae. 4
 Lateral scales abruptly smaller than ventrals; large ventrals
 in eight longitudinal series
 Teiidae, *Cnemidophorus sexlineatus* (Linne).
4. Body flattened and with many horny tubercules or spines;
 tail less than forty per cent of total length... Phrynosoma. 5
 Body not noticeably flattened; horny tubercules and spines
 absent; tail over forty per cent of total length..... 6
5. Two rows of marginal spines present along sides
 P. cornutum (Harlan).
 One row of marginal spines present
 P. douglassii ornatissimum (Girard).
6. Ear opening present; upper labial scales not oblique and not
 overlapping 7
 Ear opening absent; upper labial scales oblique and over-
 lapping
 Holbrookia maculata maculata (Girard).
7. Dorsal scales smooth; double black collar present
 Crotaphytus collaris (Say).
 Dorsal scales keeled and converging to a point posteriorly;
 black collar absent *Sceloporus* 8
8. Wavy dark brown cross bars present on sides and back.....
 S. undulatus undulatus (Latreille).
 Wavy cross bars restricted; small dark brown spots usually
 present on sides. *S. undulatus thayerii* (Baird and Girard).
9. Lower eyelid with transparent central part; body bronze
 above, elongate, cylindrical; limbs minute
 Leiopisma laterale (Say).
 Lower eyelid scaly; body not noticeably cylindrical; limbs of
 moderate size *Eumeces* 10

*Printed privately for the author by the Bristow (Nebraska) Enterprise Press. September 13, 1928.

10. Lateral scale rows extending parallel to dorsal rows 11
 Lateral scale rows extending diagonally from ventro-lateral to dorso-lateral surface.
Eumeces cooleetus (Baird and Girard).
11. Back with seven or more narrow light stripes, and nine or more dark interspaces.*E. multivirgatus* (Hallowell).
 Back with fewer light stripes and dark interspaces..... 12
12. Body blackish, with five prominent light lines, the center one forking on the head.*E. fasciatus* (Linne). Young to adult in primary stage of development.
 Body with four prominent light lines, four faint lines, or none. 13
13. Body with two prominent light lines and two broad, dark interspaces on each side.*E. septentrionalis* (Baird)
 Body with two light lines on each side, prominent or not; these bordering a broad, dark interspace of solid color; or with lines absent. 14
14. Lines absent; cheeks reddish or brown: general coloration light. *E. fasciatus* (Linne). Aged adult in tertiary or last stage of development.
 Lines present; general coloration usually somewhat darker 15
15. Scales of wide mid-dorsal interspace with perceptible light and dark areas, not unicolor. ..*E. fasciatus* (Linne). Adult in intermediate stage of development.
 Scales of wide mid-dorsal interspace not with light and dark areas, but unicolor; the interspace black to brown.
E. anthracinus (Baird).

NOTE: In regard to the variation exhibited by *Sceloporus undulatus thayerii*, it may be stated that Kansas specimens are typically with no prominent wavy dark brown cross bars on the sides or back. The continued restriction of these bars has produced a pattern with only small dark brown spots on the sides, and occasionally a specimen is found in which even these spots are absent.

In a series of this species from Tulsa, Oklahoma, which the writer has recently examined, the wavy dark brown cross bars are present, but a distinction from *S. undulatus undulatus* is evident, in that the bars are narrower, often broken, and usually confined wholly to the sides.

GLOSSARY

- dorsal...pertaining to the back
 dorso-lateral surface...area of upper part of side
 femoral pores....a row of pores or openings which are found on the under surface of the thigh of many lizards, these visible to the naked eye
 interspaces...broad fields extending lengthwise of the body, often bordered by light stripes, and usually dark in color
 keeled...with a noticeable ridge
 labial...pertaining to the lips
 lateral... pertaining to the side
 mid-dorsal...pertaining to the middle of the back
 oblique...not meeting at right angles
 posteriorly...behind
 stripes...narrow longitudinal lines, usually light in color
 tubercles...slight elevations or protuberances, usually rounded
 unicolor...one color
 ventrals...scales on under surface of body
 ventro-lateral surface....area of lower part of side