

OCCASIONAL PAPERS OF THE MUSEUM OF
ZOOLOGY

UNIVERSITY OF MICHIGAN

ANN ARBOR, MICHIGAN THE UNIVERSITY OF MICHIGAN PRESS

NOTES ON THE AMPHIBIANS AND REPTILES
OF UTAH

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FOR a number of years the Museum of Zoology, University of Michigan, has, under the direction of the writer, been making field studies on the amphibians and reptiles of Utah. The general object of the investigations has been to extend our knowledge of the distribution, habits, and habitat relations of the fauna. The results will appear in brief papers as they are compiled.¹ The present paper records only the geographical notes on the species.

Field studies have been made as follows:

Salt Lake City region, summer of 1924, by A. G. Ruthven and A. P. Ruthven.

Green River region, summer of 1925, by A. G. Ruthven and A. P. Ruthven.

Moab region, summer of 1929, by H. K. Gloyd.

Skull Valley, region of Orr's ranch, summer of 1930, by A. G. Ruthven and B. W. Ruthven.

Fillmore region, summer of 1931, by L. C. Stuart.

¹ The two publications which have preceded this one are:

Ruthven, A. G., "Notes on Utah Reptiles," *Occ. Pap., Mus. Zool., Univ. Mich.*, 179, 1926: 1-4.

Ruthven, A. G., and Stuart, L. C., "Notes on the Period of Post-depositional Development in Several Common Lizards," *ibid.*, 241, 1932: 1-3.

LIST OF SPECIES

1. *Ambystoma tigrinum* (Green). Salamander Lake, Mount Tympanogos (8,000 ft.); Granddaddy Lakes, Uintah Mountains (10,300 ft.); watering trough, one mile east of Fillmore.

2. *Scaphiopus hammondi* Baird. Flood plain of Green River, Green River; floor of Skull Valley, Orr's ranch.

3. *Bufo boreas boreas* (Baird and Girard). Mount Tympanogos (7,600 ft.); Alta, Little Cottonwood Canyon (9,000 ft.); Silver Lake, (Brighton).

4. *Bufo cognatus cognatus* (Say). Flood plain of Green River, Green River.

5. *Bufo woodhousii* Girard. Flats at Salt Lake City and Midvale; flood plain of Green River, Green River; Moab.

6. *Pseudacris triseriata* (Wied). Salamander Lake, Mount Tympanogos (8,000 ft.); flats near Salt Lake City.

7. *Rana pipiens* Schreber. Ditches west of Salt Lake City; Midvale; Provo Canyon; Thistle Canyon (5,000 ft.).

8. *Crotaphytus collaris baileyi* (Stejneger). Cedar Mountains, west side, Skull Valley, Orr's ranch; Silver Reef, Wendover; Castle Valley, Moab; Ice Spring lava flow, ten miles west of Fillmore; Helper.

9. *Crotaphytus wislizenii* Baird and Girard. Flats and washes, Green River; floor of Skull Valley, Cedar Mountains, Orr's ranch; valleys and slopes, Silver Reef, Wendover; Castle Valley, flood plain of Colorado River, flats near Moab; White Mountain, Cedar Mountain, Tabernacle lava flow, flats, sand dunes, near Fillmore.

10. *Uta levis* Stejneger. Sandstone cliffs, cliffs and rocks in Colorado Canyon, near Moab.

11. *Uta stansburiana stansburiana* (Baird and Girard). North end of Oquirrh Range; Green River, Helper; Orr's ranch, Skull Valley; Silver Reef, Wendover; Moab; White Mountain, Cedar Mountain, and general vicinity of Fillmore.

12. *Sceloporus elongatus* Stejneger. Helper; Moab; Tabernacle Mountain and White Mountain, Fillmore.

13. *Sceloporus graciosus graciosus* (Baird and Girard). Flats, mountain slopes, and canyons from Salt Lake City to 8,000 feet, Salt Lake Valley; north end of Oquirrh Range; Park City; Green River; Helper; floor of Skull Valley, Orr's ranch; Castle Valley and vicinity of Moab; White Mountain, flats and sand dunes, vicinity of Fillmore.

14. *Sceloporus magister* Hallowell. Tree and shrub areas, Green River.

15. *Phrynosoma douglassii ornatissimum* (Girard). Moab; foothills east of Fillmore; Pahvant Mountains to 9,000 feet.

16. *Phrynosoma douglassii ornatum* (Girard). Valley floor, Salt Lake City; floor of Skull Valley, Orr's ranch.

17. *Phrynosoma platyrhinos* Girard. Floor of Skull Valley, Orr's ranch; Silver Reef, Wendover; flats, Tabernacle lava flow, Cedar Mountain, White Mountain, Fillmore; Reading Spring.

18. *Cnemidophorus sexlineatus perplexus* (Baird and Girard). Moab.

19. *Cnemidophorus tessellatus tessellatus* (Say). Valley floor, Dry Canyon, Little Willow Canyon, Salt Lake City; Green River; benches and Cedar Mountains, Skull Valley, Orr's ranch; Silver Reef, Wendover; Moab; White Mountain, Cedar Mountain, Tabernacle lava flow, vicinity of Fillmore.

20. *Eumeces skiltonianus* (Baird and Girard). Along irrigation ditch, Fillmore.

21. *Charina bottae* (Blainville). Mount Tympanogos (7,600–8,500 ft.).

22. *Liopeltis vernalis* (Harlan). Mount Tympanogos (7,500 ft.).

23. *Coluber constrictor mormon* (Baird and Girard). Valley floor and Dry Canyon (5,500 ft.), Salt Lake City; Moab.

24. *Masticophis taeniatus taeniatus* (Hallowell). Castle Valley, Colorado River Canyon, Thompson Canyon, Moab; Ice Spring lava flow, White Mountain, flats in vicinity of Fillmore.

25. *Pituophis catenifer deserticola* Stejneger. Dry Canyon (6,500 ft.), and flats in vicinity of Salt Lake City; Green River; floor of Skull Valley, Orr's ranch; Fillmore Canyon, and flats in vicinity of Fillmore.

26. *Hypsiglena ochrorhynchus ochrorhynchus* (Cope). Foothills of La Sal Mountains, Moab.

27. *Thamnophis eques* (Reuss). Moab.

28. *Thamnophis ordinoides elegans* (Baird and Girard). Valley floor, Little Cottonwood Canyon (8,000 ft.), Salt Lake City; Mount Tympanogos (7,600 and 8,000 ft.); Heber City; Castle Valley, Colorado River Canyon, flats in vicinity of Moab. Observed at Orr's ranch in Skull Valley.

29. *Thamnophis sirtalis parietalis* (Say). South City.

30. *Crotalus confluentus concolor* (Woodbury). Helper; Moab.

31. *Crotalus confluentus lutosus* Klauber. Valley floor, Dry Canyon (6,750 ft.), Salt Lake City; floor of Skull Valley, Orr's ranch; Silver Reef, Wendover; Fillmore Canyon, and flats in vicinity of Fillmore.