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## NOTES ON REPRODUCTION IN *LAMPROPELTIS TRIANGULUM* AND *COLUBER CONSTRICTOR* IN UTAH

William L. Grogan<sup>1</sup> and Lloyd C. Pack, Jr.<sup>2</sup>

A search of the literature has revealed no published records of egg laying in *Lampropeltis triangulum taylori* Tanner and Loomis. On 8 July 1967 a female with a snout-vent length of 494 mm was collected in Hobble Creek Canyon, 7 mi. east of Springville, Utah. On 20 July four eggs were laid. After four weeks of incubation the eggs were attacked by fungi and were discarded.

Van de Velde, Martan, and Risley (1962) first described the hatching of eggs of *Coluber constrictor mormon* Baird and Girard. Since then no other hatchings have been recorded. On 12 July 1967 one male and three gravid females were collected at the same locality as above. Clutches of seven eggs were laid on 21 July, six on 24 July, and six on 28 July. The eggs were placed on moist sand in a jar for incubation. The last laid clutch was discarded because of fungi. Two eggs of that clutch were dissected and found to contain embryos. Two eggs of the first clutch hatched on 26 September and five on 27 September. Three eggs of the second clutch hatched on 1 October and one on 3 October. The remaining two eggs in this clutch did not hatch. The time of hatching varied from 67 to 70 days, with eight of the eleven hatching in 68 days.

The color pattern of our specimens was similar to that described by Van de Velde, Martan, and Risley (1962); however, there were a few important differences. The dorsal saddles ranged from 46 to 51 as compared with their 69. The chin, throat, infralabials, and supralabials are a vivid white with dark reddish brown spots on the posterior margins of the supralabials and the last infralabial. The color of the head also differs in that the ground color is light gray brown with darker brown spots on the prefrontals, supraoculars, frontal and parietals.

Four of the hatchlings are preserved in collections of Brigham Young University (BYU 30808-30811). Their respective snout-vent and total lengths in mm are: 192-263, 222-284, 202-280, 201-274.

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### LITERATURE CITED

- VAN DE VELDE, R. L., J. MARTAN, AND P. L. RISLEY. 1962. Eggs and hatchlings of the snake *Coluber constrictor mormon* from Oregon. *Copeia* 1962(1), 212-13.

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