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FIRST RECORD OF THE PALLID BAT (*ANTROZOUS PALLIDUS*) FROM MONTANA

Jeff Shryer¹ and Dennis L. Flath²

ABSTRACT.— A pallid bat (*Antrozous pallidus*) was taken 20 km SE Warren, Carbon County, Montana. This represents a 410 km range extension and a new record for Montana.

The pallid bat (*Antrozous pallidus*) has not been previously reported from Montana. On the basis of specimens from Grangeville and Pocatello, Idaho, Hoffman and Pattie (1968) suggested that the species may occur in southwestern Montana. Fichter (1964) reported *A. pallidus* from Boise, Idaho.

On 25 August 1978 we mist-netted an adult female *A. pallidus* (Montana Fish, Wildlife, and Parks Collection NG 748) at an isolated spring approximately 20 km SE Warren, Carbon County, Montana. This record extends the known range of *A. pallidus* approximately 410 km northeast of Pocatello, Idaho, and approximately 460 km north of Dinosaur Quarry, Utah, where Krutzsch and Heppenstall (1955) obtained a specimen.

The new locality is in an alluvial plain south of the Pryor Mountains, at 1370 m elevation, and lies within the 25–30 cm precipitation zone (U.S. Soil Conservation Service 1977). The area is characterized by scattered outcrops of sandstone and shale, with a vegetative community dominated by western wheatgrass (*Agropyron smithii*), sagebrush (*Artemisia spp.*), and saltbush (*Atriplex spp.*).

External measurements of the specimen are as follows: total length, 110 mm; length of tail, 37 mm; length of hind foot, 13 mm; length of ear, 29 mm; and length of forearm, 59 mm. The dentition displayed substantial wear, indicating the bat was old. This specimen is similar to specimens in the University of Montana Zoological Museum from New

Mexico (MSUZ 10419) and Arizona (MSUZ 12996) in that it is of a similar color—a very pale fawn. Allen (1864) described *A. p. pallidus* as having two varieties of color, fawn and yellowish brown. Bailey (1936) described *A. p. cantwelli* as darker than *pallidus*, with dark brown ears and membranes. The membranes of our specimen are medium brown.

Other species captured concurrently include: *Myotis lucifugus* and *M. leibii*.

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