

A New Longevity Record for *Myotis yumanensis*

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In late June 1995, 17 eager students of biology had the privilege of studying the behavioral ecology of bats and nocturnal birds under the direction of Brock Fenton, Mark Brigham, and Robert Barclay, with occasional, but valuable, cameo instruction from James Fullard. The course was held at the University of British Columbia Geology Field Station, in the Okanagan Valley, British Columbia.

On the evening of 30 June, while mist netting near the south weir of McIntyre Bluff, close to Oliver, B.C. (49° 10' N, 199° 37' W), we captured 76 bats, most of which were female and many of which were pregnant or lactating. Two of these were banded female bats: a *Myotis lucifugus* with a red band and a *Myotis yumanensis* with a yellow band. No numbers were visible on the red band. However, on the yellow band the numbers 023 could be made out with confidence. These colors and numbers correspond to the banding protocol of a study conducted on these two species, in this area, in 1982 (Herd and Fenton, 1983). Both bats were lactating and were released shortly after capture.

Upon consultation with Robert Herd (pers. comm.), we learned that these bats were originally banded after being caught in a Tuttle trap. The *M. yumanensis* was from a colony roosting within the wall of a cabin at the Gallagher Lake Motel, not far from our own capture site (R. Herd, pers. comm.). Unfortunately, we could read only three of the four numbers on the band of the *M. yumanensis*, so the condition under which it was originally banded was unknown. From what is known, this bat must have been born in 1981 or earlier, making her at least 14 years old! The longevity record of 34 years for *Myotis lucifugus* (Davis and Hitchcock, 1995) remained untouched by these recaptures, but the previous record of 8 years for a female *M. yumanensis* (Cockrum, 1973) can be replaced by this new record of 14 years.

Literature Cited

Cockrum, E. L. 1973. Additional longevity records for American bats. *J. Ariz. Acad. Sci.*, 8:108-110.

Davis, W. H., and H. B. Hitchcock. 1995. A new longevity record for the bat *Myotis lucifugus*. *Bat Research News*, 36:6.

Herd, R. M., and M. B. Fenton. 1983. An electrophoretic, morphological and ecological investigation of a putative hybrid zone between *Myotis lucifugus* and *Myotis yumanensis* (Chiroptera: Vespertilionidae). *Can. J. Zool.*, 61:2029-2050.