

***Gryllus regularis* Weissman & Gray, n. sp.**

Southwest Regular-Trilling Field Cricket

Distribution. Known from central-southeastern Arizona, southwestern New Mexico, and western Texas.

Holotype. Male (Fig. 93). USA, Arizona, Yavapai Co., Sedona, Sky Ranch Lodge Motel grounds by Sedona

Airport. 15-vi-2007. 5120'. 34° 51.146', -111° 47.415'. D.B. Weissman, D.C. Lightfoot. S07-61, R07-11, DNA sample G1098. 16S GenBank accession # MK446613. BL 20.48, HF 11.43, RC 10.21. Right tegmen removed: 120 teeth, file length 3.35, TL 12.1, TW 4.55. Type deposited in CAS, Entomology Type #19270.

Paratypes. (Total: 25♂ 11♀). **Arizona.** *Coconino Co.*, Sedona, north end of town, 4400', 25-vi-1980 (S80-45) 3♂ 2♀; 15-vi-1990 (S90-49) 1♂; 5-viii-1991 (S91-78) 2♂; 30-vi-1994 (S94-35) 1♂. *Gila Co.*, Globe, 3544', 25-viii-1982 (S82-103) 1♂. *Graham Co.*, Hwy 366 near intersection Hwy 191, 3333', 32° 43' 04.6" -109° 43' 34.9" 28-vii-2015 (S15-102) 1♂. *Yavapai Co.*, Agua Fria National Monument 3705', 34° 14' 25.0" -112° 01' 33.4", 19-ix-2011 (S11-105) 1♂; 12-vi-2012 (S12-24) 1♂. Agua Fria National Monument 3200', 34° 14' 50.2" -112° 03' 28.5",

12-vi-2012 (S12-25) 1♀. Camp Verde, 3151', 21-viii-2012 (S12-107) 1♂. Cordes Junction, gas station, 3802', 18-viii-2004, 2004-115, 1♀. Sedona, Sky Ranch Lodge Motel grounds by Sedona Airport, 5120', 12-vi-1996 (S96-61) 5♂ 4♀; 15-vi-2007 (S07-61) 5♂ 2♀. Forest Road 525 near Sedona, 4507', 16-viii-2004, 34.91855° -111.91090°, 2004-111, 1♀. 2.5 m W Clear Creek "Bull Pen", 3502', 11-viii-2011, 34.54646° -111.74417°, 2011-097, 1♂. **Texas.** *Brewster Co.*, Alpine, 12-vi-2007, 4270' 30° 35' 49.86" -103° 53' 11.81" (S07-41) 1♂. *Jeff Davis Co.*, Fort Davis, Fort Davis National Historic Site, 4852', 30° 35' 49.86" -103° 53' 11.81", 1-vii-2015 (S15-67) 1♂.

We also suspect that rainfall patterns can significantly affect these schedules. In the laboratory, no diapause at any developmental stage (Agua Fria, AZ) where they can have 3 or 4 generations/year.

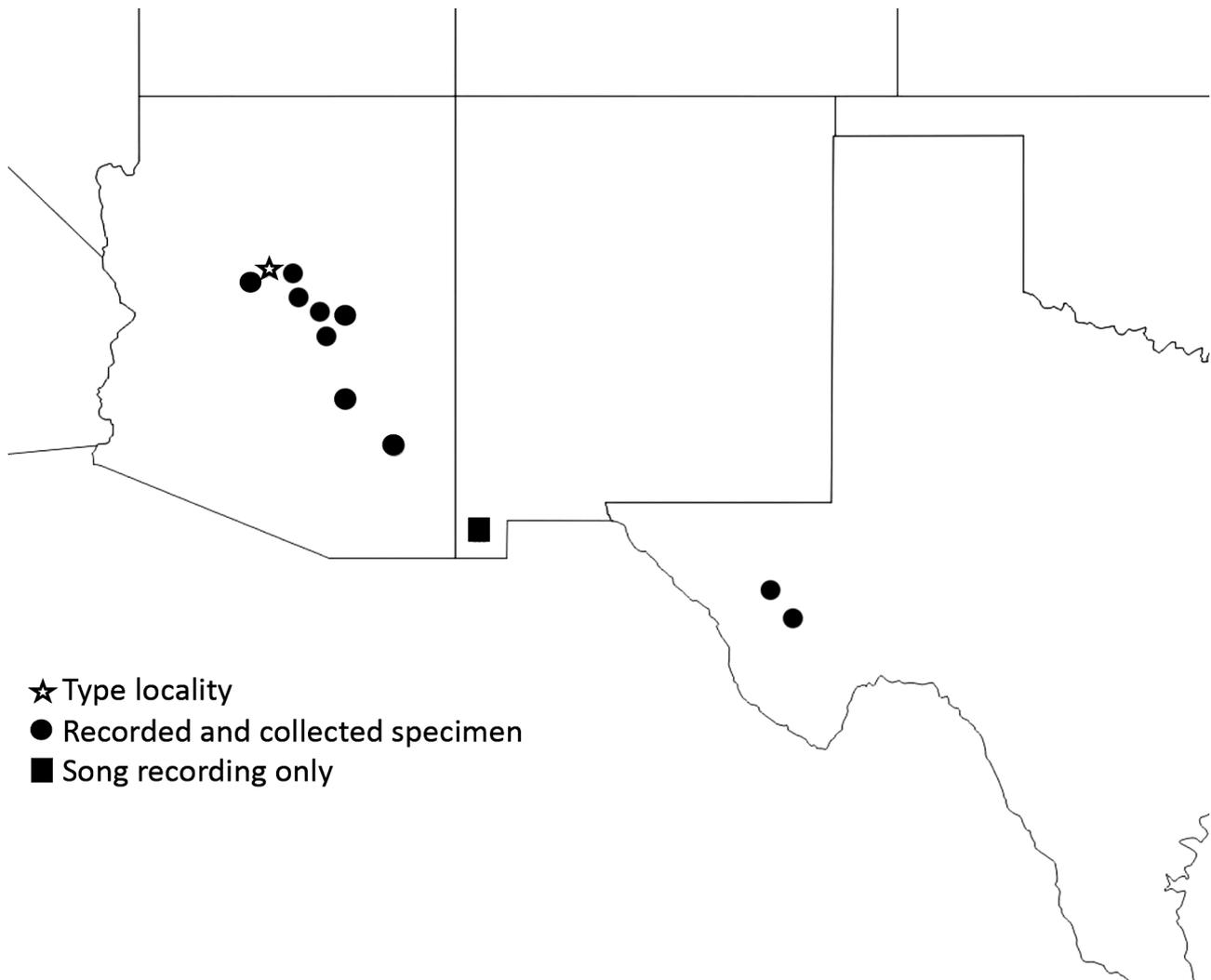


FIGURE 94. Known US distribution of *G. regularis*.