

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

Long Cercus Field Cricket

Distribution. Southwestern states of Arizona, New Mexico, and Texas, with minor extensions into California, Utah, and Colorado.

FIGURE 223. One second spectrograms of typical calling songs of (A) *G. longicercus* and (B) *G. vulcanus*, same males as in Fig. 222.

Holotype. Male (Fig. 226): Arizona, Yuma Co., Kofa National Wildlife Refuge, Palm Canyon, 16-ix-2011; molt to adult 25-x-2011. 2100'. 33° 21' 37.8" -114° 06' 22.2". D.B. Weissman, D.W. Weissman. S11-93, R11-185, BL 19.06, HF 11.86, LC 16.48. Right tegmen removed 217 teeth, file length 4.3, TL 13.7, TW 5.4. Type deposited in CAS, Entomology Type #19267.

Paratypes. (Total 217♂ 158♀). **Arizona.** *Cochise Co.*, Bisbee, 5500', 1-vi-2013 (S13-18) 2♂. Portal, 29-vii-1981 4770' (S81-37) 2♂. Chiricahua Mts., Fort Bowie, 4723', 2-vi-2013 (S13-19) 13♂ 6♀. *Coconino Co.*, Sedona, 15-vi-1990, 4400' (S90-49) 3♂ 2♀; 12-vi-1996, (S96-62) 5♂ 1♀. Hwy 89A 1 m S intersection with Hwy 179, 30-vi-1994, 4420' (S94-36) 4♂ 2♀. 2.6 m N Sedona, 25-vi-1980, 4600' (S80-43) 2♂ 2♀. *Gila Co.*, Coolidge Dam, 30-vii-1981, 2400' (S81-43) 1♂. *Graham Co.*, 7-10 m NW Bylas, 30-vii-1981, 2800' (S81-42) 1♂; 25-viii-1982 (S82-102) 8♂. Pinaleno Mts., Mt. Graham, 4-vii-1994, 5000' (S94-54) 5♂; 10-vi-2012, 5000' (S12-19) 2♂ 8♀. *La Paz Co.*, 18-35 m N Wenden on road to Alamo Dam, 23-vii-1990, 1200' (S90-70) 3♂ 1♀. *Mohave Co.*, Burro Creek Campground, 1960', 3-iv-2004 (2004-002) 1♂. Quartzsite, 26-vi-1980, 1000' (S80-46) 2♂. Kingman, 3-viii-1991 (S91-68) 1♂; 2-viii-1992, 3700' (S92-113) 1♂ 1♀. Road to Hualapai Mtn. Park SE Kingman, 19-vi-1990, 5000' (S90-56) 3♂ 2♀. *Pima Co.*, Ajo, 20-viii-1998, 1720' (S98-72 & S98-74) 9♂ 6♀; 17-ix-2011 (S11-99) 1♂. Hwy 85 13m N Ajo, 1255', 30-vii-2015 (S15-110) 1♂ 1♀. Baboquivari Mts., Brown Canyon, 31° 45' 37.0" -111° 31' 58.8", 3786', 29-vii-2015 (S15-105) 1♂ 5♀. Kitt Peak, Hwy 386 5.1 m from Hwy 86, 17-ix-2011, 4500' (S11-98) 2♂; Kitt Peak picnic area, 10.5 m from Hwy 86, 8-vi-2013, 6277' (S13-36) 3♂ 1♀. Near Sonora Desert Museum, 28-vii-1981, 2900' (S81-35) 5♂ 2♀. Organ Pipe Cactus National Monument Campground, 8-iv-2004, 1670' (2004-086) 1♂. Santa Catalina Mts., Mt. Lemmon Rec. Area, 27-vii-1990, 2900' (S90-83) 3♂ 2♀; 7-vii-1994, 3500' (S94-61) 1♂; 27-vi-2009, 4820' (S09-51) 1♂. 11-vi-2012, 4675' (S12-23) 10♂ 9♀. Tucson, 27-vii-1990, 2600' (S90-84) 1♂. Why, 20-viii-1998, 1740' (S98-71) 9♂ 5♀. *Santa Cruz Co.*, Madera Canyon, Bog Springs campground, 5010' 19-viii-2004, 6♀. *Yavapai Co.*, Hwy 179 on west side Sedona, 4000', 30-vi-2013 (S13-16) 4♂ 1♀. *Yuma Co.*, Telegraph Pass, 10-viii-1988, 600' (S88-90) 1♂; 17-viii-1998 (S98-62) 4♂ 2♀. Kofa National Wildlife Refuge, Palm Canyon, 10-viii-1988, 2050' (S88-88) 3♂; 4-vi-1989 (S89-26) 1♂ 6♀; 16-ix-2011 (S11-93) 10♂ 35♀. **California.**

San Bernardino Co., Providence Mts. State Recreational Area, 5-vi-1989, 4100' (S89-28) 2♂ 1♀. Havasu City, 6-vi-1983 (S83-62) 1♂. 14 m N Vidal, 6-vi-1983, 1200' (S83-63) 1♂. *San Diego Co.*, Road S22 from 2.7 to 10 m SW Borrego Springs, 8-viii-1988, 1800' (S88-81) 2♂. **Colorado.** *Las Animas Co.*, Trinidad Lake State Park, Carpios Ridge Campground, 6734', 29-vi-200, 1♂, JA Cole. **New Mexico.** *Bernalillo Co.*, Tijeras Canyon ~2 m W Tijeras, 6000-6600' (S19-35, S19-37, S19-38), 3-5-vii-2019, 9♂ 8♀, D.C. & K. Lightfoot. *Chaves Co.*, Hwy 380 7.3 m E Roswell at mile post 163.4, 28-vi-2009, 3960' (S09-59) 3♂ 5♀. Hwy 82 ~33 m W Artesia, 30-vi-2015, 4824' (S15-56) 7♂ 9♀. *Dona Ana Co.*, Organ Mts., Aguirre Springs Rec. Area, 24-vi-1985, 6500' (S85-93) 2♂; 17-viii-1993 (S93-70) 1♂; 3-vii-2015 (S15-77) 1♂; 19-v-2017 (S17-4) 1♂ 2♀. Tortugas Mts., near UNM, Las Cruces, 23-viii-1982, 4000' (S82-95 & S82-96) 2♂. *Sandoval Co.*, Jemez Pueblo, 22-viii-1982 (S82-90) 4♂ 2♀; 6-v-1985, 5600' (S85-50) 3♂. *Socorro Co.*, Los Pinos Mts., Goat Draw 4.5 m N Hwy 60, 16-viii-1993, 6440', 34° 22' 10" -106° 32' 0" (S93-69) 1♂. Hwy 60 34° 24' 12.07" -106° 30' 29.16", 29-vi-2015, 6004' (S15-53) 4♂ 4♀. Sevilleta National Wildlife Refuge, 15-viii-1993, 5145' 34° 24' 30" -106° 56' 43" (S93-66) 4♂ 4♀. *Torrance Co.*, Hwy 60 rocky road cut SW Mountainair, 29-vi-2015, 6037', (S15-52) 5♂ 2♀. **Utah.** *Washington Co.*, Springdale, 9-viii-1991, 4000' (S91-94) 1♂. 2 m E of west entrance to Zion National Park, 10-vi-1996, 4220' (S96-54) 4♂ 3♀. Just west of Zion National Park west entrance, 10-vi-1996, 4060' (S96-55) 1♂ 1♀. **Texas.** *Culberson Co.*, Guadalupe Mts., 4.4 km NE Pine Springs, 13-vii-2001, 5240' (S01-63) 9♂ 4♀. I10 8 m W Van Horn, mile post 133, 12-vi-1985, 4300' (S85-65) 3♂ 1♀; 29-vi-2009 (S09-64) 4♂. *Jeff Davis Co.*, Davis Mts., 30° 40' 8.73" -104° 02' 14.72", 6073', 1-vii-2015 (S15-63) 2♂ 3♀. *Presidio Co.*, Chianti Mts., Hwy 67 0.5 m N Shafter, 3856', 27-v-2015 (S15-2) 1♂ 1♀. Hwy 67 just S Shafter, 3920', 27-v-2016 (S16-4) 5♂ 1♀. *Randall Co.*, Palo Duro Canyon State Park, 12-vi-1988, 3600' (S88-37) 4♂ 1♀.

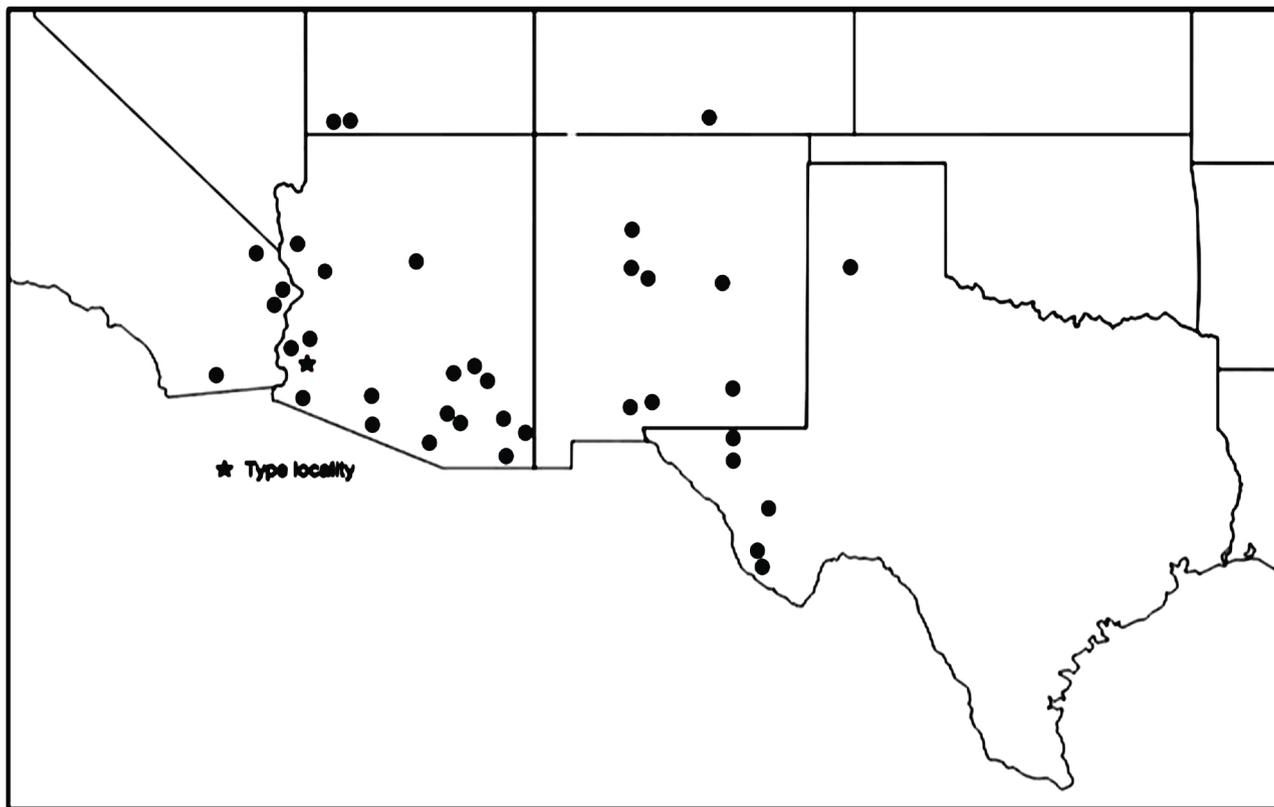


FIGURE 227. Known US distribution of *G. longicercus*.