

## CROTAPHYTIDAE

- 1982 *Crotaphytinae* Smith and Brodie, Guide Field Ident. Rept. N. Am.: 103.  
Type genus: *Crotaphytus* Holbrook, 1842.
- 1989 *Crotaphytidae*—Frost and Etheridge, Misc. Publ. Mus. Nat. Hist. Univ. Kansas, 81: 36.
- 1997 *Crotaphytinae*—Macey, Larson, Ananjeva, and Papenfuss, J. Mol. Evol., 44: 673.
- 2001 *Crotaphytidae*—Frost, Etheridge, Janies, and Titus, Am. Mus. Novit., 3343: 1.

Range: Western and south-central United States from eastern Oregon southward and eastward across the southern Great Plains to the Mississippi River, and southward into northern México.

### *Crotaphytus* Holbrook

- 1842 *Crotaphytus* Holbrook, N. Am. Herpetol., Ed. 2, 2: 79. Type species (by original designation): *Agama collaris* Say 1823.
- 1903 *Crotaphytes*—Stone and Rehn, Proc. Acad. Nat. Sci. Philadelphia, 55: 30. Incorrect subsequent spelling.

Range: Western and south-central United States from eastern Oregon southward and eastward across the southern Great Plains to the Mississippi River, and southward into northern México.

### *Crotaphytus antiquus* Axtell and Webb

- 1995 *Crotaphytus antiquus* Axtell and Webb, Bull. Chicago Acad. Sci., 16: 1; fig. 1, 2. Type locality: "2.1 km N--1.7 km E Vizcaya (25° 46' 04" N--103° 11' 48" W, el 1100± m) in the Sierra Texas, Coahuila, México (Holotype: Univ. Texas El Paso 15900).
- 1996 *Crotaphytus antiquus*—McGuire, Bull. Carnegie Mus. Nat. Hist., 32: 72.  
Distribution: San Lorenzo, Texas, and Solis sierras in extreme southwestern Coahuila, Mexico.

### *Crotaphytus bicinctores* Smith and Tanner

- 1972 *Crotaphytus collaris bicinctores* Smith and Tanner, Great Basin Nat., 32: 27; Fig. 1, 2. Type locality: "Mercury Pass, Nevada Test Site, Nye Co., Nevada" (Holotype: Brig. Young Univ. No. 23883).
- 1972 *Crotaphytus insularis bicinctores*—Axtell, Copeia, 1972: 721; Fig. 2, 5b–c, 6.
- 1979 *Crotaphytus bicinctores*—Sanborn and Loomis, Herpetologica, 35: 105.
- 1996 *Crotaphytus bicinctores*—McGuire, Bull. Carnegie Mus. Nat. Hist., 32: 69.
- Range: Western United States in the Great Basin and Mojave Desert, from southeastern Oregon and southern Idaho southward through Nevada and western Utah into southeastern California and western Arizona.

### *Crotaphytus collaris* (Say)

- 1823 *Agama collaris* Say in Long, Account Exped. Pittsburgh–Rocky Mts.: 252.  
Type locality: not given; Arkansas Territory near the Verdigris River implied (Holotype: Acad. Nat. Sci. Philad., now lost).
- 1842 *Crotaphytus collaris*—Holbrook, N. Am. Herpetol., Ed. 2, 2: 79.
- 1856 *Leiosaurus collaris*—Duméril, Arch. Mus. Natl. Hist. Nat. Paris, 8: 532.
- 1890 *Crotaphytus baileyi* Stejneger, N. Am. Fauna, 3: 103; Pl. 12, Fig. 1. Type locality: "Painted Desert, Little Colorado River, Arizona" (Holotype: U.S. Natl. Mus. No. 15821). (syn. fide Cope, Annu. Rep. U.S. Natl. Mus. for 1898: 250)
- 1903 [*Crotaphytes collaris collaris*]—Stone and Rehn, Proc. Acad. Nat. Sci. Philadelphia, 55: 30.
- 1903 *Crotaphytes collaris baileyi*—Stone and Rehn, Proc. Acad. Nat. Sci. Philadelphia, 55: 30.
- 1923 *Crotaphytus collaris collaris*—Stejneger and Barbour, Check List N. Am. Amph. Rept., Ed. 2: 43.
- 1928 *Crotaphytus collaris*—Burt, Occas. Pap. Mus. Zool. Univ. Michigan, 196: 2.
- 1951 *Crotaphytus collaris auriceps* Fitch and Tanner, Trans. Kansas Acad. Sci., 54: 553. Type locality: "3 1/2 mi. NNE Dewey, west side of the Colorado River, Grand County, Utah" (Holotype: Univ. Kans. Mus. Nat. Hist. No. 29934). (syn with *Crotaphytus collaris baileyi* fide Montanucci, Axtell, and Dessauer, Herpetologica, 31: 338)
- 1965 *Crotaphytus (Crotaphytus) baileyi*—Weiner and Smith, Am. Midl. Nat., 73: 187.
- 1965 *Crotaphytus (Crotaphytus) collaris*—Weiner and Smith, Am. Midl. Nat., 73: 174; fig. 1-6.
- 1971 *Crotaphytus collaris fuscus* Ingram and Tanner, Brigham Young Univ. Sci. Bull., 13: 23. Type locality: "6.5 mi. N and 1.5 mi. W of Chihuahua City, Chihuahua, Mexico" (Holotype: Brig. Young Univ. No. 16970).
- 1974 *Crotaphytus collaris baileyi*—Smith and Tanner, Brigham Young Univ. Sci. Bull., 19: 2.
- 1975 *Crotaphytus collaris baileyi*—Montanucci, Axtell, and Dessauer, Herpetologica, 31: 338.
- 1996 *Crotaphytus collaris*—McGuire, Bull. Carnegie Mus. Nat. Hist., 32: 75.  
Range: South-central and southern inter-mountain West from the Ozarks of Missouri south through central Texas to San Luis Potosi, Mexico, thence west to northeastern Sonora, most of upland Arizona, southeastern Utah, southern Colorado and most of Kansas.

*Crotaphytus dickersonae* Schmidt

- 1922 *Crotaphytus dickersonae* Schmidt, Bull. Am. Mus. Nat. Hist., 46: 638; Fig. 2. Type locality: "Tiburón Island", Sonora, Mexico (Holotype (original designation): U.S. Natl. Mus. No. 64451).
- 1933 *Crotaphytus collaris dickersonae*—Allen, Occas. Pap. Mus. Zool. Univ. Michigan, 259: 7.

- 1965 *Crotaphytus (Crotaphytus) collaris dickersonae*—Weiner and Smith, Am. Midl. Nat., 73: 187.
- 1974 *Crotaphytus collaris dickersonae*—Smith and Tanner, Brigham Young Univ. Sci. Bull., 19: 2.
- 1975 *Crotaphytus dickersonae*—Montanucci, Axtell, and Dessauer, Herpetologica, 31: 338.
- 1996 *Crotaphytus dickersonae*—McGuire, Bull. Carnegie Mus. Nat. Hist., 32: 80.
- Range: Northwestern México on Tiburon Island in the Gulf of California, and the nearby coast of western Sonora.

*Crotaphytus grismeri* McGuire

- 1994 *Crotaphytus grismeri* McGuire, Herpetologica, 50: 439; fig. 1. Type locality: "Cañon David, a low pass that separates the contiguous Sierra de Cucapas and Sierra El Mayor, approximately 2 km W Mex. Hwy. 5 on the dirt road to the sulfur mine (turnoff at km 49 S. Mexicali), Baja California, Mexico" (Holotype (original designation): Centro Ecol. Sonora, Hermosillo 067-629).
- 1996 *Crotaphytus grismeri*—McGuire, Bull. Carnegie Mus. Nat. Hist., 32: 80.
- Range: Sierra de los Cucapas and the contiguous Sierra El Mayor, Baja California del Norte, northwestern Mexico.

*Crotaphytus insularis* Van Denburgh and Slevin

- 1921 *Crotaphytus insularis* Van Denburgh and Slevin, Proc. California Acad. Sci., 4th Ser., 11: 96. Type locality: "east coast of Angel de la Guarda Island seven miles north of Pond Island, Gulf of California, Mexico" (Holotype: Calif. Acad. Sci. No. 49151).
- 1965 *Crotaphytus (Crotaphytus) insularis*—Weiner and Smith, Am. Midl. Nat., 73: 187.
- 1955 *Crotaphytus collaris insularis*—Soulé and Sloan, Trans. San Diego Soc. Nat. Hist., 14: 140.
- 1972 *Crotaphytus insularis insularis*—Smith and Tanner, Great Basin Nat., 32: 27.
- 1996 *Crotaphytus insularis*—McGuire, Bull. Carnegie Mus. Nat. Hist., 32: 84.
- Range: Isla Angel de la Guarda, Baja California Norte, México.

*Crotaphytus nebrius* Axtell and Montanucci

- 1977 *Crotaphytus collaris nebrius* Axtell and Montanucci, Nat. Hist. Misc., 201: 1; Fig. 1. Type locality: "28°30'30"N—111°02'30"W (14 Km by road N. Rancho Cieneguita), Sonora, Mexico" (Holotype: Los Angeles Co. Mus. No. 126617).
- 1996 *Crotaphytus nebrius*—McGuire, Bull. Carnegie Mus. Nat. Hist., 32: 88.
- Range: Lowland desert and semidesert mountain ranges from southwestern Arizona, southward through much of central Sonora to about the latitude of Guaymas, México.

*Crotaphytus reticulatus* Baird

1859 *Crotaphytus reticulatus* Baird, Proc. Acad. Nat. Sci. Philadelphia, 10: 253. Type locality: "Laredo and Ringgold Barracks, Tex." (Holotype: U.S. Natl. Mus. No. 2692). Restricted type locality (Smith and Taylor, Univ. Kansas Sci. Bull., 33: 363): "Laredo".

1971 *Crotaphytus reticulatus* Montanucci, Herpetologica, 27: 183; Fig. 3.

Range: Tamaulipan Biotic Province of southern Texas in the United States, and adjacent northern México.

*Crotaphytus vestigium* Smith and Tanner

1899 *Crotaphytus fasciatus* Mocquard, Nouv. Arch. Mus. Natl. Hist. Nat. Paris, Ser. 4, 1: 303. Type locality: "Cerro de las Palmas", Baja California, Mexico. (Types: not designated, although presumably originally in Mus. Natl. Hist. Nat. Paris). Junior primary homonym of *Crotaphytus fasciatus* Hallowell, 1865 (= *Gambelia wislizenii*).

1903 *Crotaphytus fasciolatus* Mocquard, Bull. Mus. Natl. Hist. Nat. Paris, 1903: 209. (substitute name for *Crotaphytus fasciatus* Mocquard 1899).

1972 *Crotaphytus insularis vestigium* Smith and Tanner, Great Basin Nat., 32: 29; Fig. 1, 2. Type locality: "Guadalupe Canyon, Juarez Mountains, Baja California" (Holotype: Brig. Young Univ. No. 23338). (Granted precedence over *Crotaphytus fasciolatus* Mocquard, 1903, by action of the ICZN (Anonymous, Bull. Zool. Nomencl., 59: 228-229).

1996 *Crotaphytus vestigium*—McGuire, Bull. Carnegie Mus. Nat. Hist., 32: 94. Range: Southwestern United States along the eastern slopes of the Peninsular Range from Palm Springs, California, southward to central Baja California, México.

*Gambelia* Baird

1859 *Crotaphytus (Gambelia)* Baird, Rep. U.S-Mex. Bound. Surv., 2(Pt. 2-Rept.): 7. Type species (by monotypy): *Crotaphytus wislizenii* Baird and Girard 1852.

1946 *Gambelia*—Smith, Handbook Lizards USA Canada: 158.

1965 *Crotaphytus (Gambelia)*—Weiner and Smith, Am. Midl. Nat., 73: 170.

1975 *Gambelia*—Montanucci, Axtell, and Dessauer, Herpetologica, 31: 339.

Range: Western United States from central Idaho and eastern Oregon southward in the Great Basin through western Colorado and western Texas on the east, and through the San Joaquin Valley and eastern deserts of California on the west; southward into México to western Coahuila, northern Zacatecas, eastern and central Chihuahua, central Sonora, and throughout the peninsula of Baja California.

*Gambelia copeii* (Yarrow)

1882 *Crotaphytus copeii* Yarrow, Proc. U.S. Natl. Mus., 5: 441. Type locality: "La Paz, Cal." (Holotype: U.S. Natl. Mus. No. 12663).

1884 *Crotaphytus copii*—Garman, Bull. Essex Inst., 16: 16. Incorrect subsequent spelling.

- 1968 *Crotaphytus wislizeni copei*—Banta and Tanner, Great Basin Nat., 28: 184; Fig. 1, 2.
- 1968 *Crotaphytus wislizeni neseotes* Banta and Tanner, Great Basin Nat., 28:186; Fig. 4, 5. Type locality: "Cedros Island, west coast of Baja California Norte, Mexico" (Holotype: Calif. Acad. Sci. No. 79872).  
Synonymy by McGuire, Bull. Carnegie Mus. Nat. Hist., 32: 98.
- 1996 *Gambelia copeii*—McGuire, Bull. Carnegie Mus. Nat. Hist., 32: 96.  
Range: Extreme southwestern California (San Diego County) in the vicinity of Cameron Corners, Campo, and Potrero Grade south throughout all of Baja California except for the San Felipe desert region or northeastern Baja California; Cedros Island.

*Gambelia sila* (Stejneger)

- 1890 *Crotaphytus silus* Stejneger, N. Am. Fauna, 3: 105. Type locality: "Fresno, Cal." (Holotype: U.S. Natl. Mus. No. 11709A).
- 1946 *Gambelia wislizenii silus*—Smith, Handbook Lizards USA Canada: 164; Pl. 31.
- 1953 *Crotaphytus wislizeni silus*—Schmidt, Check List N. Am. Amph. Rept., Ed. 6: 117.
- 1970 *Crotaphytus silus*—Montanucci, Copeia, 1970: 105; McGuire, Bull. Carnegie Mus. Nat. Hist., 32: 102.
- 1988 *Gambelia sila*—Frost and Collins, Herpetol. Rev., 19: 73.  
Range: Central California in the San Joaquin Valley and surrounding foothills.

*Gambelia wislizenii* (Baird and Girard)

- 1852 *Crotaphytus wislizenii* Baird and Girard, Proc. Acad. Nat. Sci. Philadelphia, 6: 69. Type locality: "near Santa Fe" (Holotype: U.S. Natl. Mus. No. 2270).
- 1852 *Crotaphytus Gambelii* Baird and Girard, Proc. Acad. Nat. Sci. Philadelphia, 6: 126. Type locality: "not precisely known .... California" (Holotype: U.S. Natl. Mus. No. 2722).syn. fide Van Denburgh, Occas. Pap. California Acad. Sci., 10: 118).
- 1853 *Crotaphytus fasciatus* Hallowell, Proc. Acad. Nat. Sci. Philadelphia, 8: 207. Type locality: "sand hills, at lower end of the Jornada del Muerte, New Mexico" (Holotype: U.S. Natl. Mus. No. 2736).(syn. fide Van Denburgh, Occas. Pap. California Acad. Sci., 10: 118).
- 1856 *Leios.[aurus] Hallowellii* Duméril, Arch. Mus. Natl. Hist. Nat. Paris, 8: 533.(substitute name for *Crotaphytus fasciatus* Hallowell, 1854)
- 1859 *Crotaphytus (Gambelia) wislizenii*—Baird, Rep. U.S-Mex. Bound. Surv., 2(Pt. 2-Rept.): 7; Pl. 31.
- 1899 *Crotaphytus fasciatus* Mocquard, Nouv. Arch. Mus. Natl. Hist. Nat. Paris, Ser. 4, 1: 303; Pl. 13, Fig. 1. Type locality: "cerro de las Palmas" (Holotype: Mus. Hist. Nat. Paris No. 96-133). (non Hallowell; syn. fide Van Denburgh, Occas. Pap. California Acad. Sci., 10: 118).
- 1922 *Crotaphytus wislizenii*—Van Denburgh, Occas. Pap. California Acad. Sci., 10: 116; Pl. 8.

- 1946 *Gambelia wislizenii wislizenii*—Smith, Handbook Lizards USA Canada: 158; Fig. 57, 68; Pl. 30.
- 1953 *Crotaphytus wislizenii wislizenii*—Schmidt, Check List N. Am. Amph. Rept., Ed. 6: 117.
- 1963 *Crotaphytus (Gambelia) wislizeni wislizeni*—Tanner and Banta, Great Basin Nat., 23: 132; Fig. 1–3.
- 1963 *Crotaphytus (Gambelia) wislizenii punctatus* Tanner and Banta, Great Basin Nat., 23: 138; Fig. 4, 5. Type locality: "Yellow Cat mining District approximately 10 miles south of U. S. Highway 50-6, Grand County, Utah" (Holotype: Brig. Young Univ. No. 20928).
- 1996 *Gambelia wislizenii*—McGuire, Bull. Carnegie Mus. Nat. Hist., 32: 106. Range: Western United States from central Idaho and eastern Oregon southward in the Great Basin through western Colorado and western Texas on the east, and through the eastern deserts of California on the west; southward to western Coahuila, northern Zacatecas, eastern and central Chihuahua, central Sonora, and extreme northeastern peninsular Baja California.

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