Catalogue of American Amphibians and Reptiles.


**Hemidactylus turcicus** (Linnaeus)  
**Mediterranean gecko**


**Hemidactylus turcicus**: Boettger, 1876: 57. First use of combination.


- **Content.** Three subspecies are recognized (Wermuth, 1965:86-87), but all American populations are referred to *H. turcicus turcicus* (see Mertens, 1925:60 for first use of this combination).

- **Definition and Diagnosis.** A medium-small gecko, average snout-vent length 40 to 50 mm, with granular dorsal scales, 14 to 16 longitudinal rows of strongly-keeled dorsal tubercles, and smooth ventral scales. The subcylindrical tail bears 6 to 8 rows of keeled tubercles. Males have an interrupted series of 3 to 10 preanal pores. The digits are free and moderately dilated, with 6 to 8 divided lamellae under the first toe and 9 to 10 under the fourth toe. The clawed terminal phalanges are free of the pads. The ground color above is pinkish brown, light brown, sandy gray or sandy yellow, with an indistinct dark streak from the nostril through the eye to above the ear. The back is sometimes spotted or mottled with darker color, and the tubercles are white. The species is extremely variable in color and pattern.

- **Descriptions.** Grant and Deuel (1944), Smith (1946), Loveridge (1947), Carr and Goin (1955), Hellmich (1962), and Minton (1966) presented general descriptions of *H. t. turcicus*.

- **Illustrations.** Black and white photographs of *Hemidactylus turcicus* appear in Smith (1935, 1946), Carr and Goin (1955), Pope (1955), and Treadwell (1962). Illustrations in color were published by Conant (1958) and Hellmich (1962). Parker (1942) and Smith (1946) illustrated details of scutellation.

- **Distribution.** "In Africa from Morocco east to Egypt and south to Sokota Island and Somalia; from Yucatan, Florida and Cuba, east to the Canary Islands and Mediterranean Basin and borders of the Red Sea, east to Persia and Sind" (Loveridge, 1947:147). Introduced populations are established around the Gulf of Mexico in coastal and inland cities from Florida to Yucatan, in the Panama Canal Zone, and several localities in Cuba. An isolated record from Tarapaca, Chile (MCZ, fide A. G. Kluge) is the only Pacific Coast locality and the only record from South America. The first published record for each American locality is cited below. Abbreviations indicate the sources of new records: American Museum of Natural History (AMNH); Carnegie Museum (CM); Field Museum of Natural History (FM); Museum of Natural History, University of Kansas (KU); Louisiana State University Museum of Zoology (LSUMZ); Museum of Comparative Zoology, Harvard (MCZ); University of Colorado Museum (UCM); University of Michigan Museum (UMMZ); United States National Museum (USNM). Many records were verified by Arnold G. Kluge, and unreported Texas localities were supplied by W. K. Davis (WKD).

The first United States locality was Key West, Florida (Fowler, 1915, as *H. mabouia*; Stejneger, 1922). Other Florida localities are Miami (Barbour, 1936), Big Pine Key (Duellman and Schwartz, 1950), and Gainesville (King, 1959). A population in New Orleans, Louisiana was reported by Etheridge (1952), and the first precise locality in Texas (Brownsville) by Conant (1955). Dixon (1958) added a record from Laredo, Texas. Morrison (1951) reported *turcicus* in Robstown, Texas, and Treadwell (1962) recorded the species from Gonzales, Texas. Other Texas populations are established at Weslaco, San Juan, Kingsville, Mathis, Corpus Christi, Karnes City, “Serbin Store” near Giddings, and San Marcos (all WKD) and Edinburg (LSUMZ). Bouvier’s (1895) report of *Hemidactylus mabouia* from “Vera Cruz” and “Mexico” probably represents the first Mexican record for *turcicus*, followed by the description of *Hemidactylus exsul* Barbour and Cole (1906) from the port of Progreso, Yucatan. Subsequent Mexican records are: 12 mi. E Llera, Tamaulipas (Smith, 1935); Ciudad del Carmen, Campeche (Smith, 1938); Alvaro Obregón and Emiliano Zapata, Tabasco and “Veracruz” (Smith and Taylor, 1956); Tamaulipas, San Luis Potosí Museum of Zoology (Teales, 1951); and Potosí; and Sabinas Hidalgo, Nuevo León (Conant, 1955) and El Limón, Tamaulipas (Martin, 1958). Other Mexican localities are: San José Carpio (UMMZ) and Campeche (UCM), Campeche, Chetumal Museum (UMMZ, CM, USNM) and Hermannus (UMMZ), Coahuila; Monterrey (MCZ, UMMZ), Topo Chico, 7 mi. NE Monterrey (FM), and 1.5 mi. SE García (UCM), Nuevo León; Nuevo Laredo (AMNH), 3 mi. W Forlón (KU), and Ciudad Mante (LSUMZ), Tamaulipas; and Mérida (UCM), Yucatan.

Cuban localities are Matanzas (Barbour and Ramsden, 1919, as *H. mabouia*), Soledad (Leavitt, 1933), La Habana (AMNH,
MCZ), Santa Clara (AMNH), and Santiago (UMMZ). The species has been collected in the Panama Canal Zone (USNM, fide A. G. Kluge).

- FOSSIL RECORD. None (in the Americas).

- PERTINENT LITERATURE. Wermuth (1965) presented the most recent systematic treatment, with extensive synonymies for *H. turcicus* and its subspecies. Loveridge (1947) reviewed in detail the literature on *H. turcicus* in Africa. Loveridge (1941) and Grant and Deuel (1944) compared the three Afro-American species of *Hemidactylus*.

1950. The ecology of United States populations was mentioned by Carr (1940); habits, eggs, abundance, Florida); Conant (1955, behavior, abundance, Texas); Etheridge (1952, habits, cold-hardiness, Louisiana); King (1959, activity cycles, mating, eggs, Florida); Mittleman (1950, eggs, Florida); Neill (1951a, 1951b, in bromeliads, Florida); and Rose and Barbour (1968, habits, activity cycles, reproduction, Louisiana). Restriction of the type-locality of *H. t. turcicus* by Smith and Taylor (1950): 314 was rejected by Neill (1951c).

- ETYMOLOGY. The name *turcicus* (Latin, Turkey) presumably refers to the source of the type-specimens.

**LITERATURE CITED**


Liebknecht, C. V. 1758. Systema Naturae, Ed. 10.


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