First record of Podarcis erhardii (Bedriaga, 1886) from Paros Island (Cyclades), Greece (Squamata: Lacertidae)

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The lacertid genus Podarcis contains approx. 20 species in the Mediterranean region (Harris, 1999; Harris et al., 2002; Lymberakis et al., 2008). The Aegean wall lizard (P. erhardii) is a highly diversified lacertid lizard species endemic to the Balkans, ranging from southern Bulgaria and the extreme south of Serbia, Republic of Macedonia, and Albania into much of Greece and the Aegean archipelago, with the exception of parts of Epirus and the Peloponnese (Chondropoulos, 1986; Chondropoulos and Chiras, 1997; Valakos et al., 1999; Dimitropoulos and Ioannidis, 2002; Petrov, 2004; Petrov et al., 2006; Biserkov, 2007; Valakos et al., 2008; Jablonski, 2011; Tomovic et al., 2014; Uhrin et al., 2016). The species’ range is characterized by a discontinuous mainland distribution and by the existence of many island populations, which have been differentiated into 21 subspecies, most of which (18) are found on the islands of the southern Aegean Sea (Chondropoulos, 1986; Poulakakis et al., 2003; Valakos et al., 2008; Hurston et al., 2009).

On the Aegean Islands the species is absent from the Milos Group (Milos, Kimolos, and Antimilos), where P. milensis is found; from the Skiros-Piperi Island complex, where P. gaigeae occurs; and from almost all of the islands of the eastern Aegean (Limnos, Lesvos, Chios through Rhodes and Kastellorizo) where Ophisops elegans occurs (Dimitropoulos and Ioannidis, 2002; Valakos et al., 2008). It is also absent from Crete and the islets of Antikythera where two recently recognized species, P. cretensis and P. levendis, occur (Lymberakis et al., 2008). Within its nearly continuous western Aegean distribution, the species is very widely distributed, occurring on even the smaller islands, and it is ubiquitous in all habitats, with the exception of closed-canopy forest. As such, the apparent absence of P. erhardii from the central cycladic island of Paros is particularly noteworthy, especially because the species does occur on the surrounding satellite islets (Gruber and Fuchs, 1977; Dimitropoulos and Ioannidis, 2002; Valakos et al., 2008).

Paros is the third-largest island (196.3 km²) of the Cyclades Group and its highest elevation is 771 m (Stamatelatos and Vamva, 1996; National Statistical Service of Greece, 2001). The island is located immediately to the west of Naxos, from which it is separated by an 8-km-wide channel; it is surrounded by more than 25 uninhabited satellite islets. The island is also characterized by a diversity of arid habitats, as well as an extensive network of dry-stone walls, which have been shown to provide important refugia for P. erhardii.

During the period of 9–15 June 2017 I visited the island to observe reptiles and birds and for agro-ecological observations. On 14 June 2017 at approximately 0845 h, during a visit to a traditional agricultural area near the settlement of Protoria (ca. 2.5 km SW of the village of Naoussa; 37.1108°N, 25.2126°E; elevation 67 m), I observed one adult P. erhardii resting on a dry-stone wall. I photographed the animal and searched for others. Further searching resulted in the observation of a second individual, ca. 70 m from the first, also on a dry-stone wall. Later in the morning, a third animal was observed below Juniperus phoenicea and Pistacia lentiscus shrubs, near Agios Andreas Monastery, ca. 300 m distant from the first observations.

The animals were identified by the combination of body size, coloration, and habitus; in all of those aspects the observed individuals resembled Aegean Wall lizards from nearby islands. Species identification was confirmed by P. Lymberakis (Museum of Natural History, Crete) and J. Foufopoulos (University of Michigan) and a voucher photograph (Fig. 2A) was

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Figure 1. (A) Map of Greece showing the location of the Cyclades Group (South Aegean). (B) Islands in the Cyclades Group, with the location of Paros Island indicated in red. (C) Approximate geographic distribution of the Aegean wall lizard, *Podarcis erhardii* (red area).

Figure 2. (A) The first Aegean wall lizard, *Podarcis erhardii*, photographed in situ on Paros Island, Greece (photo NHMC 80.3.51.777). (B) The place of discovery, a dry-stone wall where the adult lizard was resting. (C) The traditional agricultural landscape surrounding the habitat of *P. erhardii*, near the settlement of Protoria. Photos by the author.
produced some hypotheses explaining this absence. Archipelago and its absence from Paros Island, and they peculiar distribution pattern of the species in the Paros. Gruber and Fuchs (1977) made special mention of the distribution of the species on the island is very restricted. In fact, no additional sightings, suggesting that the distribution on Paros both by myself and other researchers has produced no additional sightings, suggesting that the distribution of the species in the Paros Archipelago and its absence from Paros Island, and they produced some hypotheses explaining this absence. This is the first documented observation of *P. erhardii* on Paros following ca. 150 years of herpetological searches. It fills a previously unexplained distributional gap for the species. This record is important for the biogeography of the species and the herpetological knowledge of the island. Further research is needed to identify the phylogenetic affiliations of the Paros population.

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**References**