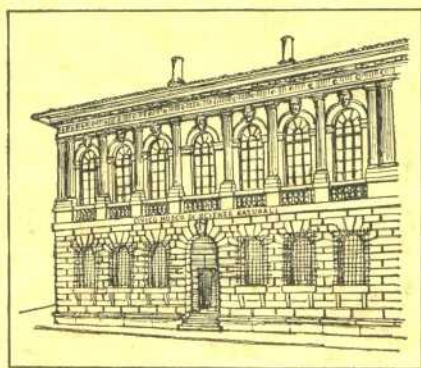


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DESCRIPTION OF TWO NEW SPECIES OF THE
GENUS *OPILIO* FROM ITALY
(*OPILIONIDA*, *PHALANGIIDAE*)

In the summer of 1962 Prof. P. Zangheri sent me a small number of Opiliones, which he kindly permitted me to study. A list of species resulting from this study is published elsewhere (ZANGHERI, 1963). Among the material I discovered two species that are new to science. In the present paper *Opilio ravennae* nov. spec. and *Opilio zangherii* nov. spec. are described and figured. The material is preserved in the «Museo Zangheri di Storia Naturale della Romagna», Forlì, Italy.

Opilio ravennae nov. spec. (fig. 1^a)

Material. Pineta di Classe (Pineta di Ravenna), Ravenna, Italy, 31-VII-1949, 1 ♂ (holotype); 1 ♂ (paratype, in bad condition).

Description. Length of the male (without chelicerae): 3.2 mm.

Cephalothorax yellow-brown with a pattern of white spots; it bears a number of denticles (fig. 1^a). Supracheliceral laminae without denticles. Ocularium white with two longitudinal rows of 4 denticles.

Abdomen dorsally yellow-brown, with a median white band and transverse white lines with distinct dark brown borders; on each segment transverse rows of small white denticles are present. The ventral surface of the abdomen is whitish with 2 lateral and 2 median longitudinal rows of white spots.

Chelicerae pale yellow, first joint dorsally with brown spots. Both joints with strong hairs; no ventral spur.

Palp pale yellow. The dorsal and ventral surfaces of the trochanter and the ventral surface of the femur with tubercles; the remaining parts of the palp only covered with hairs. No apophysis on femur and patella. Length of the palp 3.7 mm.

Only the first leg and the femur and the patella of the second leg are present; they are yellow-brown. Coxae whitish with brown spots; they

bear hairs but no denticles or tubercles. Femur I and II dorsally with 3 longitudinal rows of denticles, ventrally with 2 longitudinal rows of hairs; patella and tibia of the first leg with small hairs only; metatarsus I with 2 ventral rows of short black spines. Femur and tibia cylindrical. Length of the first leg 19 mm; length of femur I 4.0 mm, femur II 7.3 mm.

Remarks. The species resembles *Opilio transversalis* ROEWER 1956, but differs from it by the following characters. In *O. ravennae* a median

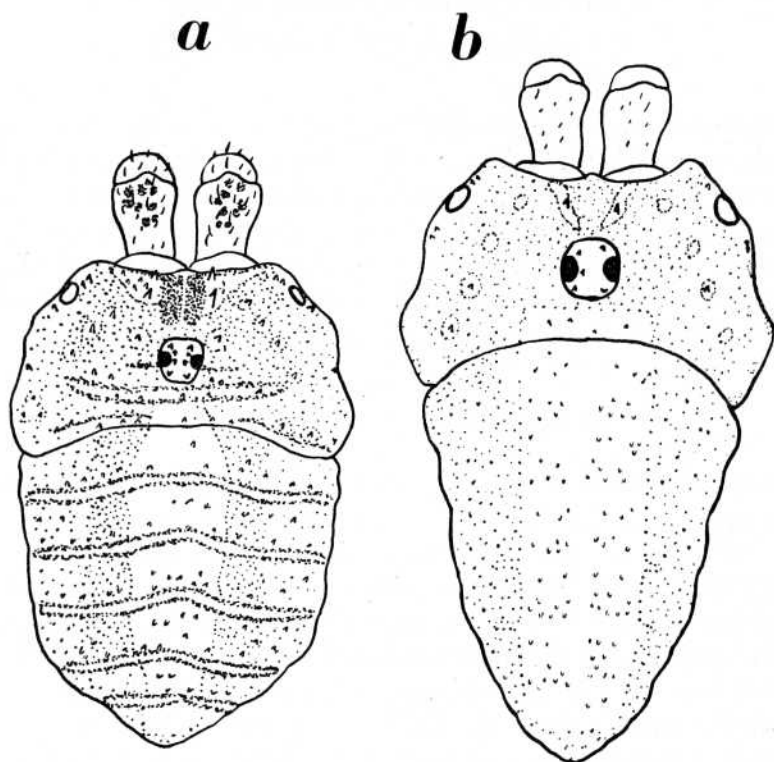


Fig. 1: a, *Opilio ravennae* nov. spec., dorsal view; b, *Opilio zangherii* nov. spec., dorsal view.

white band is present on the abdomen. In front of the ocularium the cephalothorax is provided with 4 denticles. The coxae bear no denticles or tubercles; metatarsus I with 2 ventral rows of black spines.

Opilio zangherii nov. spec. (fig. 1^b).

Material. Monte Fumaiolo, at the origin of the river Tevere, Italy, 20-VIII-1948, 1 ♂ (holotype); 1 ♂, 1 ♀ (paratypes).

Description. Length of the male (without chelicerae) 4 mm; length of the female 6 mm.

Cephalothorax yellow-brown with white spots and white lateral borders; in front of the ocularium the cephalothorax bears 2 small denticles (fig. 1^b). Supracheliceral laminae without denticles. Ocularium white, with 2 longitudinal rows of 2-4 very small denticles or protuberances.

Abdomen of the male dorsally yellow-brown with a broad median white band; all segments provided with very small denticles. In the female the median white band is absent and the abdomen is unarmed.

Chelicerae pale yellow. First joint with a few dorsal hairs; no ventral spur.

Palp pale. All parts of the palp without denticles or tubercles; femur with dorsal and ventral hairs; tarsus of the male with rows of very small granules. No apophysis on femur and patella. Length of the palp of the male and female 4 mm.

The legs are only partly preserved. Legs pale yellow. Coxae grey with small hairs. Femora with 5 longitudinal rows of denticles; tibiae unarmed. Femora and tibiae cylindrical. Length of the femur + patella + tibia of the male: I, 11.0 mm - III, 10.5 mm; length of the femur: I, 5.0 mm - III, 4.5 mm. Length of the femur of the female: I, 4.2 mm - III, 4.3 mm.

LITERATURE

ROEWER, C. FR., 1923. *Die Weberknechte der Erde*.

ROEWER, C. FR., 1956. *Über Phalangiinae (Phalangiidae, Opiliones, Palpatores)*. (*Weitere Weberknechte XIX*).

ZANGHERI, P., 1963. *Repertorio generale della fauna e flora vivente e fossile della Romagna secondo il materiale del Museo Zangheri* (in preparazione).