

FOUR NEW SPECIES OF HYMENOPTERA.

CHALCIDOIDEA, ENCYRTIDÆ.

BY A. B. GAHAN, MARYLAND EXPERIMENT STATION.

The following new species of Hymenoptera are deemed of sufficient interest to warrant description. The two species of *Eupelmus* were reared by the writer during the past season, while the other two species were found accessioned but unidentified in the collection of the Experiment Station. Types of all the species have been placed in the United States National Museum.

Eupelmus brevicauda, n. sp.

Female: Head transverse, as wide as the thorax, somewhat coarsely and densely punctate with silvery-white pubescence on the cheeks and face below antennæ; brassy-green, except the eyes, which are without pubescence. Antennal scape not especially long, flattened on side next to eyes, cupreus-green; flagellum subclavate, obliquely truncate at the tip, pilose; pedicel and two or three following joints brassy; remaining joints darker, nearly black. Prothorax short, narrowed in front, cupreus; mesoscutum with broad longitudinal depression in the middle, green with bright cupreus reflections and with sparse white pubescence, very finely punctate; sternum and pleuræ shagreened, dark metallic-green, former with sparse white pubescence, the latter bare: axillæ slightly separated, scutellum rounded behind and unicolorous with the mesoscutum. Wings very slightly and uniformly fuliginous. Fore and hind coxæ metallic-green, median pair darker; trochanters yellowish; fore and middle femora and tibiæ brownish-yellow, hind femora dark brown, the hind tibiæ with basal half brown and apical half light yellow; all tarsi with 1st joint whitish, following joints brown, last joint and ungues black. Abdomen hairy, with dorsal segments 1-4 deeply incised, dark purplish, except at base, which is bright metallic-green. Ovipositor sheath short, black, except apex, which is yellowish; ovipositor slightly exerted and yellowish. Length, 3.5 mm.

Described from five female specimens reared from eggs of Mantis sp. at College Park, Md., and two female from Galveston, Texas, also reared from Mantis eggs. The Texas specimens were loaned by the United States National Museum.

Eupelmus mompha, n. sp.

Female: Head slightly wider than the thorax, rugosely sculptured, tending to parallel wrinkles on the vertex, temples, and cheeks, brassy-green with more or less purple about the bases of the antennæ; antennæ