

The First Record of *Callodictya kazeruna* Dlabola (Hemiptera, Auchenorrhyncha, Fulgoroidea: Dictyopharidae) from Turkey¹

A. F. Emeljanov^{a*}, I. Özgen^b, and V. M. Gnezdilov^{a**}

^aZoological Institute, Russian Academy of Sciences, St. Petersburg, 199034 Russia

e-mail: *alexandr.emeljanov@zin.ru, **vmgnezdilov@mail.ru

^bFirat University, Engineering Faculty, Elazığ, Turkey

e-mail: inancogen@gmail.com

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Abstract—*Callodictya kazeruna* (Dlabola, 1986) described from southern Iran is recorded here for the first time from Eastern Anatolia in Turkey. A key to the two known species of the genus *Callodictya* Melichar, 1912 is given.

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Dictyophara kazeruna (Figs. 1, 2) was described by J. Dlabola from southern Iran, 30 km eastwards of Kazerun, where the type series were collected from an oak at an altitude of 1300 m (Dlabola, 1986). Later (Emeljanov, 2011), this species was transferred to the genus *Callodictya* Melichar, 1912, which, in addition to *Callodictya kazeruna*, includes only *C. krueperi* (Fieber, 1872), type species of this genus also known from Turkey (Demir, 2008). For the distinctions between these species see the key below.

Until now, *Callodictya kazeruna* (Dlabola, 1986) was not known from outside Iran (Mozaffarian and Wilson, 2011; Bourgoin, 2017); however, during the field researches in Eastern Anatolia (Elazığ and Malatya provinces), I. Özgen and V.M. Gnezdilov collected 8 specimens of this species from *Quercus cerris* L. and *Q. brantii* Lindley in the oak light forests at an altitude of 1020–1636 m (Figs. 3, 4). The material is deposited in the Zoological Institute, Russian Academy of Sciences, St. Petersburg, Russia (ZIN) and in Dr. I. Özgen's collection, Elazığ, Turkey (IOC).

Family **DICTYOPHARIDAE** Spinola

Subfamily **Dictyopharinae** Spinola

Tribe **Dictyopharini** Spinola

Genus **Callodictya** Melichar, 1912

Callodictya kazeruna (Dlabola, 1986) (Figs. 1, 2)

Material. *Turkey. Malatya Province*: 1 ♂, 50 km N of Malatya, Hekimhan District, 38°42.314'N, 38°07.060'E, 1141 m, 15.IX.2017 (V.M. Gnezdilov) (ZIN); 1 ♂, 15 km S of Malatya, Beydağı Mt., 1636 m, 38°13.137'N, 38°18.495'E, 15.IX.2017 (T. Yiğit) (ZIN). *Elazığ Province*: 1 ♂, 3 ♀, near Koruk Village, 38°48.658'N, 38°58.055'E, 1058 m, 16.IX.2017 (V.M. Gnezdilov) (ZIN); 1 ♂, 1 ♀, near Palu Baltaşı Village, 1020 m, 38°35'21.4188"N, 39°47'20.8716"E, 13.X.2017 (I. Özgen) (IOC).

Key to the Species of the Genus Callodictya

- 1 (2). Apex of cephalic process moderately widened. Apical part of coryphe more sharply widened and cupola-like swollen; median carina on this swelling hardly visible; carinae of coryphe at sides of swelling fine and high. Stigma of fore wing with 2 or 3 oblique cross-veins connected by 2 or 3 accessory veins in shape of double-rowed ramification *C. krueperi* (Fieber).

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Figs. 1, 2. *Callodictya kazeruna* (Dlabola) (Malatya Province), male, habitus, dorsal (1) and lateral (2) view.



3



4

Figs. 3, 4. Oak light forests in Eastern Anatolia, habitats of *Callodictya kazeruna* (Dlabola): (3) Malatya Province, (4) Elazığ Province (photographs by V.M. Gnezdilov).

- 2 (1). Cephalic process parallel-sided, not widened toward apex (Figs. 1, 2). Coryphe parallel-sided along entire length; its surface flat at apex; median carina distinct along entire length up to apex (Fig. 1). Stigma of fore wing with 2 or 3 simple oblique cross-veins (only basal vein occasionally bifurcate) *C. kazeruna* (Dlabola).

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