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**Two new tortricids for the European fauna,
Aethes rubiginana (Walsingham, 1903) and
Osthelderiella amardiana Obraztsov, 1961, found in Italy
(Lepidoptera Tortricidae)^(*)**

Abstract - *Aethes rubiginana* (Walsingham, 1903) and *Osthelderiella amardiana* Obraztsov, 1961, two new tortricids for the European fauna, are recorded in southern Italy. *Ae. rubiginana* was collected in Sicily and Calabria, while *O. amardiana* was found in Basilicata on Pollino mountains.

Riassunto - Due tortricidi nuovi per la fauna europea, *Aethes rubiginana* (Walsingham, 1903) e *Osthelderiella amardiana* Obraztsov, 1961, rinvenuti in Italia (Lepidoptera Tortricidae).

Viene segnalato il reperimento di due tortricidi nuovi per la fauna italiana ed europea, *Aethes rubiginana* (Walsingham, 1903) e *Osthelderiella amardiana* Obraztsov, 1961. *Ae. rubiginana*, in precedenza segnalata in Marocco e Algeria, è stata catturata in Sicilia (Taormina e Lipari) e in Calabria (Maierà e Stalettì), mentre *O. amardiana*, descritta dal Nord Iran, è stata trovata in Basilicata (sui Monti del Pollino).

Key words: Lepidoptera Tortricidae, *Aethes rubiginana*, *Osthelderiella amardiana*, new records.

In a study carried out on the fauna of southern Italy some tortricid moths, obtained by the entomologists G. Baldizzone, F. Hartig, A. Hausmann, U. Parenti and S. Scalercio, have been examined. Among the various specimens, found by the colleagues in different localities of southern Italy and in Sicily, two new species, *Aethes rubiginana* (Walsingham, 1903) and *Osthelderiella amardiana* Obraztsov, 1961, for the Italian and the European fauna, have been identified (Trematerra, 1995; Razowski, 1996).

Previously, *Ae. rubiginana* was recorded in Algeria and Morocco while *O. amardiana* was reported only from North Iran (Obraztsov, 1961; Razowski, 1970).

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Aethes rubiginana (Walsingham, 1903)
(Tortricidae Tortricinae)

ADULT

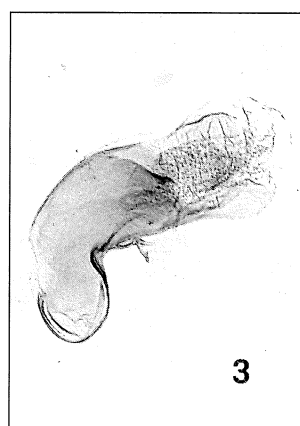
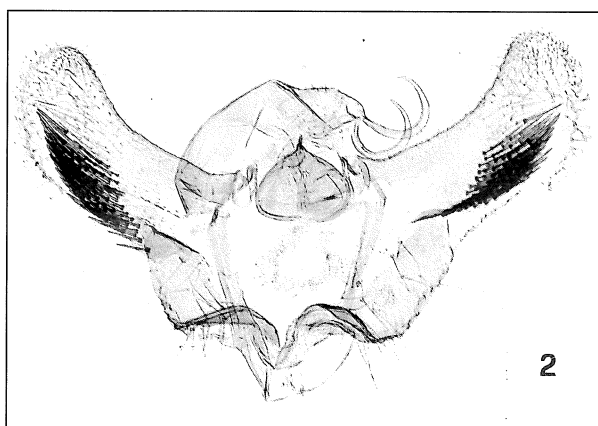
Alar expanse 15 mm (Fig. 1). Sides of palpi yellow-brownish, front yellow, head yellow-brownish, thorax rusty-brownish. Forewing with ground colour yellowish. Pattern rusty-brown, internal fascia rather large, external fascia narrower, atrophied in costal area. Cilia yellowish. Hindwing grey-brownish, fringes whites-grey or whitish.



Fig. 1 - *Aethes rubiginana* (Walsingham, 1903), adult.

MALE GENITALIA

Socii long and thin. Valva large, distal part elongate and rounded, with long spine-like hairs in the ventral part. *Sacculus* rounded, and strongly sclerotized (Fig. 2). *Aedeagus* broad and short, bent for half of its length (Fig. 3).



Figs. 2-3 - *Aethes rubiginana* (Walsingham, 1903): male genitalia (fig. 2); aedeagus (fig. 3).

FEMALE GENITALIA

Lamella vaginalis large, rather slightly sclerotized, sculptured in its central area; *antrum* rather short, broad and strongly sclerotized. *Ductus bursae* short; *bursa copulatrix* elongated, sculptured both in central and distal areas.

MATERIAL EXAMINED: Sicilia, Taormina, 200 m/slm, 2.V.1950, leg. Hartig e Grshm.; Isole Eolie, Lipari, 8-19.IV.1971, leg. Parenti; Calabria, Maierà (Cosenza), 350 m/slm, 30.V.1993, leg. Hausmann; Calabria, Copanello - Stalettì (Catanzaro), 0-70 m/slm, 10.IV-24.V.1996, leg. Scalercio; *ibidem*, 25.V-9.VI.1996, leg. Gatti; *ibidem*, 25.VI-9.VII.1996, leg. Gatti.

COMMENTS: *Ae. rubiginana* is new for Italy and Europe; it was placed by Razowski (1970) after *Ae. ferruginea* (Walsingham, 1900) and before *Ae. tornella* (Walsingham, 1898) followed by *Ae. fennica* (M. Hering, 1924) and *Ae. mauritanica* (Walsingham, 1898).

BIOLOGY: Walsingham obtained moths from the stems of *Thapsia* sp. (from Morocco), Razowski (1962) found specimens bred from *Ferula communis* L. (from Algeria).

The imago appears in April (Razowski, 1970); in the examined material I found specimens collected from April to July.

DISTRIBUTION: Morocco (Tanger), Algeria (Algeri, Hydra), Italy (Calabria: Maierà and Copanello; Sicily: Taormina, and Lipari in the Eolie Islands) (Fig. 7).

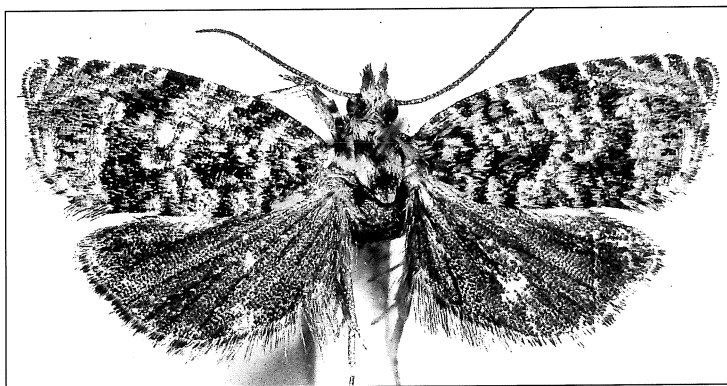


Fig. 4 - *Osthelderiella amardiana* Obraztsov, 1961, adult.

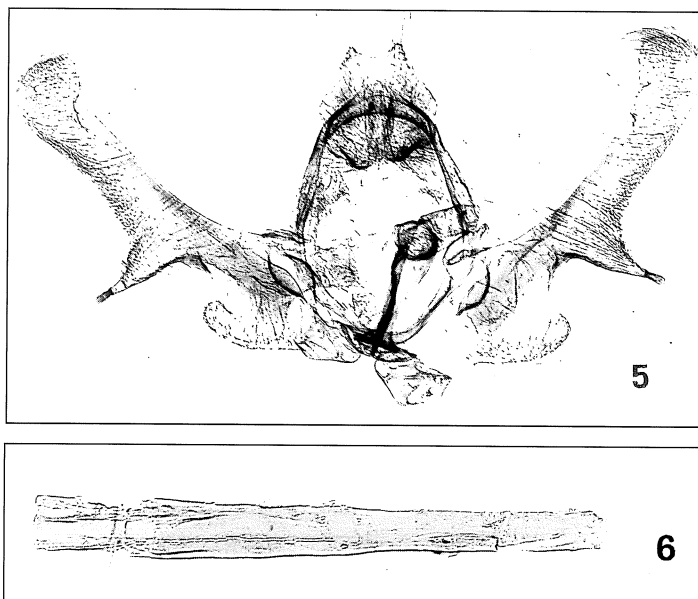
Osthelderiella amardiana Obraztsov, 1961
(Tortricidae Olethreutinae)

ADULT

Alar expanse 13 mm (Fig. 4). Palpi white-greyish with yellowish-ochreous, front and head yellowish-ochreous. Thorax rusty-brown yellowish-ochreous. Forewing ground colour yellowish-ochreous with indeterminate zigzagging trasverse fasciae, rusty-brown. Cilia yellowish-orange with brown basal line. Hindwing brownish, fringes paler, yellowish with a dark grey sub-basal line.

MALE GENITALIA

Socius broad, latero-terminal, hairy; distal part of *tegumen* small; *pedunculus* long and slender. Basal opening of valva slender reaching "basis of *cucullus*"; *cucullus* long, slender, provided with large tapering anterior process situated ventrally; *sacculus* short, weakly convex, provided with subterminal lobe; *pulvinus* present (Fig. 5). *Caulis* long; *aedeagus* slender and long (Fig. 6).



Figs. 5-6 - *Aethes rubiginana* (Walsingham, 1903): male genitalia (fig. 5); *aedeagus* (fig. 6).

FEMALE

Unknown.

MATERIAL EXAMINED: Basilicata, Monti del Pollino, Rifugio Fasanelli, 1200 m/slm, 13.VII.1991, leg. G. Baldizzone.

COMMENTS: *O. amardiana* is new for Italy and Europe. The systematic position of the genus *Osthelderiella* Obratzov, 1961 is not clear yet; originally it was placed in the tribes Laspeyresiini and compared by Obratzov (1961) with *Matsumuraeses* Issiki, 1957. Recently Razowski (1989) placed *Osthelderiella* at the end of Eucosmini tribe, in the subtribe Enarmoniina.

BIOLOGY: Early stages and bionomy unknown. The imago appears in July.

DISTRIBUTION: *O. amardiana* was known only from the *typus* collected to Särbab-Tal, Tacht i Suleiman-Gebiet, Elbursgebirge, Nord Iran. The new record was realized in southern Italy, on the Pollino mountains (Fig. 7); also in this case only a male has been collected.

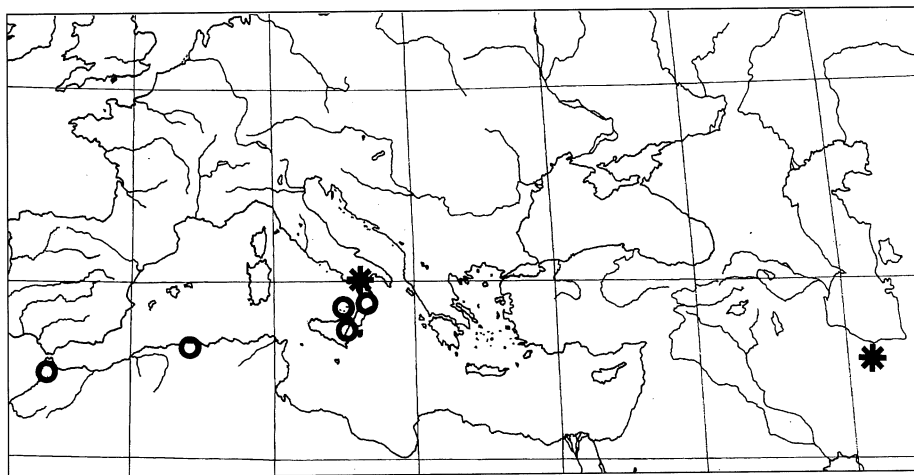


Fig. 7 - Distribution map: *Aethes rubiginana* (Walsingham, 1903) (O); *Osthelderiella amardiana* Obraztsov, 1961 (*).

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