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New records of Lepidoptera Tortricidae from Southern Europe

Abstract - Remarks are reported on *Cnephasia fulturata* Rebel, 1940, *Celypha capreolana* (Herrich-Schäffer, 1851) and *Epiblema mendiculanum* (Treitschke, 1835) new for the Italian fauna; *Cydia lunulana* (Denis & Schiffermüller, 1811) and *Grapholitha gemmiferana* (Treitschke, 1835) new for fauna of Corsica; *Cochylis sannitica* Trematerra, 1995, new for Croatian fauna; *Aethes eichleri* Razowski, 1983, *Aethes cnicana* (Westwood, 1854) and *Clepsis steineriana* (Hübner, 1799), new for Macedonia; *Aethes moribundana* (Staudinger, 1859), *Cochylis hybridella* (Hübner, 1813), *Bactra robustana* (Christoph, 1872) and *Lobesia limoniana* (Millière, 1860) new for the Greek fauna; *Phtheochroa ochralana* Chrétien, 1915, and *Cochylidia moguntiana* (Rössler, 1864) new for the Maltese fauna; *Phalonidia contractana* (Zeller, 1847) and *Bactra furfurana* (Haworth, 1811) new for the fauna of Crete.

Riassunto - Nuove segnalazioni di Lepidotteri Tortricidi dall'Europa meridionale.

Si riportano i risultati di indagini faunistiche che consentono di segnalare la presenza di *Cnephasia fulturata* Rebel, 1940, *Celypha capreolana* (Herrich-Schäffer, 1851) ed *Epiblema mendiculanum* (Treitschke, 1835) in Italia; *Cydia lunulana* (Denis & Schiffermüller, 1811) e *Grapholitha gemmiferana* (Treitschke, 1835) in Corsica; *Cochylis sannitica* Trematerra, 1995, in Croazia; *Aethes eichleri* Razowski, 1983, *Aethes cnicana* (Westwood, 1854) e *Clepsis steineriana* (Hübner, 1799) in Macedonia; *Aethes moribundana* (Staudinger, 1859), *Cochylis hybridella* (Hübner, 1813), *Bactra robustana* (Christoph, 1872) e *Lobesia limoniana* (Millière, 1860) in Grecia; *Phtheochroa ochralana* Chrétien, 1915, e *Cochylidia moguntiana* (Rössler, 1864) a Malta; *Phalonidia contractana* (Zeller, 1847) e *Bactra furfurana* (Haworth, 1811) a Creta.

Key words: New records, Tortricid fauna, south Europe.

The Tortricid fauna of Southern Europe is still insufficiently known, during the last two years some further interesting species were recognized in the material received for study, collected during field researches by the colleagues dr. Giorgio Baldizzone (Asti, Italy), dr. Paul Sammut (Rabat, Malta) and dr. Paolo Triberti (Verona, Italy).

In this paper are reported some remarks on few species new for the local fauna of Italy, Corsica, Croatia, Macedonia, Malta, Greece and Crete (Razowski, 2002, 2003; Trematerra, 2003; Trematerra & Baldizzone 2004; Trematerra & Sammut, 2007).

The species treated are: *Phtheochroa ochralana* Chrétien, 1915, *Phalonidia contractana* (Zeller, 1847), *Aethes eichleri* Razowski, 1983, *Aethes cnicana* (Westwood, 1854), *Aethes moribundana* (Staudinger, 1859), *Cochylidia moguntiana* (Rössler, 1864), *Cochylis hybridella* (Hübner, 1813) and *Cochylis sannitica* Trematerra, 1995 (Tortricinae Cochylini); *Cnephasia futurata* Rebel, 1940 (Tortricinae Cnephasiini); *Clepsis steineriana* (Hübner, 1799) (Tortricinae Archipini); *Bactra furfurana* (Haworth, 1811) and *Bactra robustana* (Christoph, 1872) (Olethreutinae Bactrini); *Lobesia limoniana* (Millière, 1860) and *Celypha capreolana* (Herrich-Schäffer, 1851) (Olethreutinae Olethreutini); *Epiblema mendiculanum* (Treitschke, 1835) (Olethreutinae Eucosmini); *Cydia lunulana* (Denis & Schiffermüller, 1811) and *Grapholitha gemmiferana* (Treitschke, 1835) (Olethreutinae Grapholitini).

TORTRICINAE COCHYLINI

Phtheochroa ochralana Chrétien, 1915

MATERIAL EXAMINED. Malta, Rabat, 17.x.2003, P. Sammut; Gozo, Dwejra, San Lawrenz, 5. Nov. 2004, Leg. A. Seguna, M.V. light; Malta, Rabat, Fort Bingemma, 12. Nov. 2004, Leg. A. Seguna, 400w M.V. light.

DISTRIBUTION. Algeria, Tunisia, Tripolitania, Central Arabia.

BIOLOGICAL NOTES. The larva feed on *Haloxylon articulatum*, moths observed in October-November.

COMMENTS. This is new record for the Maltese islands and new record for the European fauna (Razowski, 1970) (Figs 1-3).

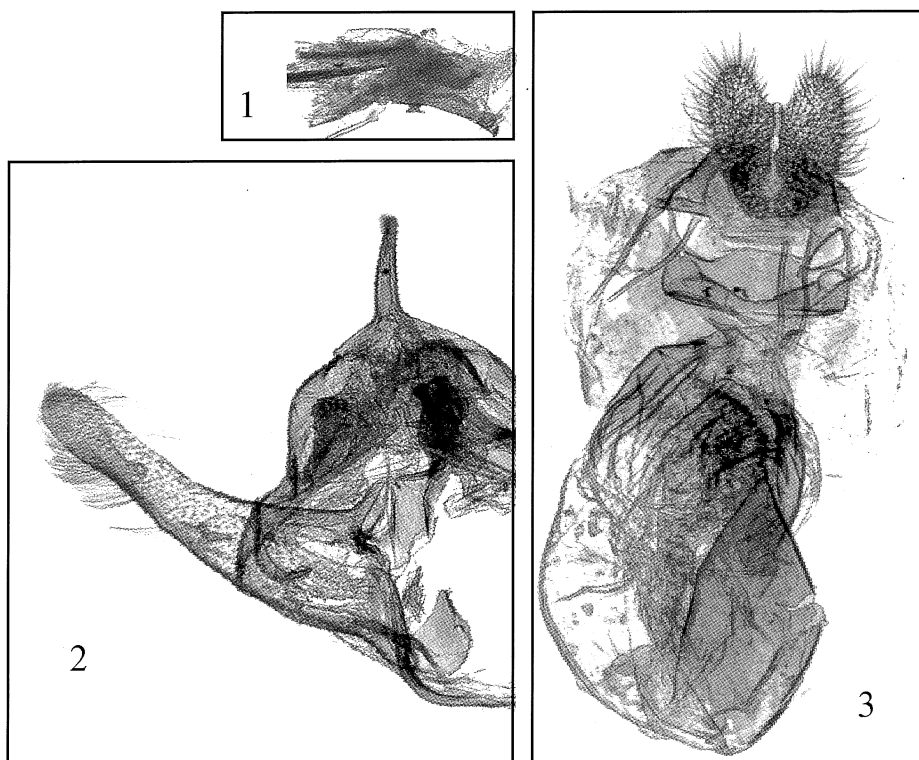
Phalonidia contractana (Zeller, 1847)

MATERIAL EXAMINED. Crete, Iraklion, Linoperamata, 17.VII.1984, G. Baldizzone legit.

DISTRIBUTION. Europe (Czech Republic, Slovakia, France, Spain, Portugal, Malta, Italy, Austria, Hungary, ex-Yugoslavia, Romania, Bulgaria, Albania, Greece and European Turkey), North Africa, Asia Minor, Israel, Transcaucasia, Iran, S-Urals, Kazakhstan, Uzbekistan, Turkmenistan, Central-southern Asia, Tajikistan, Afghanistan, mountains of India and Kashmir.

BIOLOGICAL NOTES. Larvae feed on *Anthemis* spp.; *Artemisia* spp., *A. maritima*; *Cichorium* spp.; *Dittrichia graveolens*, *D. viscosa*; *Lactuca* spp.. Multi-voltine species, adults fly from May till October.

COMMENTS. New record for Crete.



Figs. 1-3. *Phtheochroa ochralana* Chrétien, 1915: penis (fig. 1), male genitalia (fig. 2); female genitalia (fig. 3).

Aethes eichleri Razowski, 1983

MATERIAL EXAMINED. YU-Maced. occ., Passo Bukovo, 1190 m. (Ohrid), 6-VIII-79 (lux), leg. Baldizzone.

DISTRIBUTION. Bulgaria and Caucasus.

BIOLOGICAL NOTES. Early stages and food plant unknown; holotype collected between 26 May and 21 June (Razowski, 2002).

COMMENTS. Species less known described from Pirin mountains (Bulgaria), new record for the Macedonian fauna.

Aethes cnicana (Westwood, 1854)

MATERIAL EXAMINED. YU-Maced. occ., Mt. Pelister, 2400 m., 8-8-79, leg. Baldizzone.

DISTRIBUTION. Europe (Norway, Denmark, Sweden, Finland, ex-USSR, Estonia, Latvia,

Lithuania, Poland, Czech Republic, Slovakia, Germany, Netherlands, Great Britain, Ireland, Belgium, Luxemburg, France, Italy, Switzerland, Austria, Hungary, Romania and Bulgaria), Siberia, Mongolia, China, Russian Far East, Korea and Japan.

BIOLOGICAL NOTES. The larva feed on *Carduus* spp.; *Cirsium* spp., *C. oleraceum*, *C. palustre*, *C. vulgare*. Adults fly from May till July-August.

COMMENTS. New record for the Macedonian fauna.

Aethes moribundana (Staudinger, 1859)

MATERIAL EXAMINED. Grecia-Olimpo, Litokhoron, 300 m., 26-7-80, leg. Baldizzone.

DISTRIBUTION. Europe (ex-USSR, Poland, Slovakia, France, Spain, Portugal, Italy, Hungary, ex-Yugoslavia, Romania and Albania), N-W Africa, Asia Minor, Transcaucasia, Turkmenistan, Iran, Kazakhstan, Central Asia, Uzbekistan, Afghanistan, Siberia, Mongolia and W-China.

BIOLOGICAL NOTES. Larva feeds on *Phlomis lychnitis*. Adults fly from April-May till mid June and from mid July till October.

COMMENTS. New record for the Greek fauna.

Cochylidia moguntiana (Rössler, 1864)

MATERIAL EXAMINED. Malta, Rabat, Dwejra, 30.iv.2006, P. Sammut.

DISTRIBUTION. Europe (Denmark, Sweden, ex-USSR, Estonia, Latvia, Lithuania, Poland, Czech Republic, Slovakia, Germany, Spain, Italy, Austria, Hungary, ex-Yugoslavia and Romania), S-Siberia, W-Afghanistan, N-W Pakistan, China and Korea.

BIOLOGICAL NOTES. The larva feeds on *Artemisia campestris*. The moth flies during the months of July and August.

COMMENTS. New record for Maltese fauna.

Cochylis hybridella (Hübner, 1813)

MATERIAL EXAMINED. Grecia Occid., Prevéza (lux), 1.VIII.1980, G. Baldizzone.

DISTRIBUTION. Europe (Denmark, Sweden, Finland, ex-USSR, Latvia, Lithuania, Poland, Czech Republic, Slovakia, Germany, Netherlands, Great Britain, Eire, Luxemburg, France, Spain, Portugal, Italy, Switzerland, Austria, Hungary, Romania and Bulgaria), Asia Minor, Transcaucasia, Urals, Kazakhstan, W-S Siberia, China, Russian Far East, Korea and Japan.

BIOLOGICAL NOTES. The larva feed on *Carduus* spp.; *Crepis* spp.; *Picris echinoides*, *P. hieracioides*; *Sonchus* spp. Adults fly from June till August, probably in two generations.

COMMENTS. New record for the Greek fauna.

Cochylis sannitica Trematerra, 1995

MATERIAL EXAMINED. Croatia, KRK (town), 10.VIII.1975, G. Baldizzone leg.; Croatia, Draga Bascanska, 15.VIII.1975, 25-27.VII.1976, 3-15.VIII.1976, 7.VIII.1980, G. Baldizzone leg.; Croatia, Skrbeiei, 3.VII.1978, G. Baldizzone leg.; Croatia, Kampeljje, 28.VII.2003, G. Baldizzone leg.; Croatia Is. KRK, Kampeljje, 18.VIII.2006 (lux), G. Baldizzone leg..

DISTRIBUTION. Italy.

BIOLOGICAL NOTES. Food plant unknown. Adults fly from June till September (Trematerra, 1995).

COMMENTS. New record for Croatian fauna.

TORTRICINAE CNEPHASIINI

Cnephasia fulturata Rebel, 1940

MATERIAL EXAMINED. Italia, 14.VI.77, leg. Triberti, Toscana, Monti dell'Uccellina.

DISTRIBUTION. Europe (France, Spain and Portugal), North Africa, Asia Minor.

BIOLOGICAL NOTES. Food plant unknown. The moth flies from May till June.

COMMENTS. New record for Italian fauna.

TORTRICINAE ARCHIPINI

Clepsis steineriana (Hübner, 1799)

MATERIAL EXAMINED. YU-Maced. occ., Mt. Pelister, 2400 m., 8-8-79, leg. Baldizzone.

DISTRIBUTION. Europe (Poland, Czech Republic, Slovakia, Germany, France, Spain, Portugal, Italy, Switzerland, Austria, Hungary and Greece).

BIOLOGICAL NOTES. The larva feed on *Anemone* spp.; *Cardamine bulbifera*; *Hepatica nobilis*; *Luzula luzuloides*; *Pulsatilla vulgaris*; *Sanicula* spp.; *Vaccinium* spp., *V. myrtillus*, *V. uliginosum*; *Veratrum* spp., *V. album*. Adult fly in June-July and during August.

COMMENTS. New record for Macedonian fauna.

OLETHREUTINAE BACTRINI

Bactra furfurana (Haworth, 1811)

MATERIAL EXAMINED. Grecia-Isola di Crete, I. Baldizzone, Iraklion (lux), Amnisòs, 3-7/VIII/1973.

DISTRIBUTION. Europe (Norway, Denmark, Sweden, Finland, ex-USSR, Estonia, Latvia, Lithuania, Poland, Czech Republic, Slovakia, Germany, Netherlands, Great Britain, Eire, Belgium, Luxemburg, France, Spain, Portugal, Malta, Italy, Switzerland, Austria, Hungary, ex-Yugoslavia, Romania, Bulgaria, Albania and Greece), North Africa, Asia Minor, Urals, Central-south Siberia, Himalaya, Mongolia, Russian Far East, Kamchatka, Korea, Japan and Neartic Region (North America).

BIOLOGICAL NOTES. Larva feeds on *Cyperus* spp.; *Eleocharis* spp.; *Juncus* spp., *J. conglomeratus*, *J. effusus*, *J. subuliflorus*; *Scirpus lacustris*, *S. maritimus*. A bivoltine species, the moth flies from March till September.

COMMENTS. New record for Crete.

***Bactra robustana* (Christoph, 1872)**

MATERIAL EXAMINED. Grecia Occid., Prevéza (lux), 30-VII-1979, I. Baldizzone.

DISTRIBUTION. Europe (Norway, Denmark, Sweden, Finland, ex-USSR, Estonia, Latvia, Slovakia, Germany, Netherlands, Great Britain, Eire, Belgium, France, Spain, Malta, Italy, Austria, Hungary, Romania, Bulgaria and Albania), North Africa (Morocco), Asia Minor, Caucasus, Transcaucasia, Iran, Urals, Kazakhstan, Afghanistan, S-Siberia, Mongolia, Russian Far East and Japan.

BIOLOGICAL NOTES. The larva feeds on *Scirpus* spp., *S. maritimus*; Cyperaceae. Adult fly from April till August.

COMMENTS. New record for the Greek fauna.

OLETHREUTINAE OLETHREUTINI

***Lobesia limoniana* (Millière, 1860)**

MATERIAL EXAMINED. Grecia Occid., Prevéza (lux), 30-VII-1979, I. Baldizzone; Grecia Occid., Salaora, 31.VII.81 lux, I. Baldizzone.

DISTRIBUTION. Europe (France, Spain and Italy).

BIOLOGICAL NOTES. Larva feeds on *Limonium vulgare*. The adult has been collected in October.

COMMENTS. New record for the Greek fauna.

***Celypha capreolana* (Herrich-Schäffer, 1851)**

MATERIAL EXAMINED. Piemonte, leg. Baldizzone, Asti-Boschi di Valmanera, m. 124, 23-VI-1970.

DISTRIBUTION. Europe (ex-USSR, Estonia, Latvia, Poland, Czech Republic, Slovakia, Germany, France, Austria, Hungary, Romania and Bulgaria), Urals, Kazakhstan, S-Siberia.

BIOLOGICAL NOTES. Larva feeds on *Hieracium*. Adult fly from May till August.

COMMENTS. New record for Italy.

OLETHREUTINAE EUCOSMINI

Epiblema mendiculanum (Treitschke, 1835)

MATERIAL EXAMINED. Piemonte Parco N.R., Capanne di Marcarolo, Capanne Inf. (I Foi), 770 m (AL) – 31.03.2003, G. Baldizzone leg.

DISTRIBUTION. Europe (Slovakia, Switzerland, Austria, Hungary, Bulgaria, Albania and Greece).

BIOLOGICAL NOTES. Food plants unknown; moth flies from May till July.

COMMENTS. New record for Italy.

OLETHREUTINAE GRAPHOLITINI

Cydia lunulana (Denis & Schiffermüller, 1811)

MATERIAL EXAMINED. Corsica, S. Florent, 23.IV.00, leg. P. Triberti.

DISTRIBUTION. Europe (Norway, Denmark, Sweden, Finland, ex-USSR, Estonia, Latvia, Lithuania, Poland, Czech Republic, Slovakia, Germany, Netherlands, Great Britain, Eire, Belgium, France, Spain, Portugal, Malta, Italy, Switzerland, Austria, ex-Yugoslavia, Romania and Albania), North Africa (Morocco), Asia Minor, Transcaucasia, Turkmenistan and Central Asia.

BIOLOGICAL NOTES. The larva feeds on *Lathyrus* spp., *L. montanus*; *Phaseolus* spp.; *Pisum* spp., *P. sativum*; *Trifolium* spp.; *Vicia cracca*. The moth flies from March to July.

COMMENTS. New record for fauna of Corsica.

Grapholitha gemmiferana (Treitschke, 1835)

MATERIAL EXAMINED. Corsica, S. Florent, 23.IV.00, leg. P. Triberti.

DISTRIBUTION. Europe (Sweden, ex-URRS, Poland, Czech Republic, Slovakia, Germany, Netherlands, Great Britain, Belgium, Luxemburg, France, Spain, Portugal, Italy, Switzerland, Austria, Hungary, ex-Yugoslavia, Romania, Bulgaria, Albania, Greece), Asian deserts and Far East.

BIOLOGICAL NOTES. Larva lives from July-August to April in one or two spun leaves of end parts of twigs of *Lathyrus sylvestris* and on *Vicia*; adults observed from April-May to July.

COMMENTS. New record for fauna of Corsica.

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