

New data on the Encyrtidae of France (Hymenoptera: Chalcidoidea)

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Fifteen species are added to the list of French fauna with data on their geographical distribution.

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According to data collected by the author, 133 species of Encyrtidae were recorded from France, including Corsica. The following 15 species are added as a result of examination of collections in Paris, London, Berlin and Riverside (California, USA).

Abbreviations: ML – Museum of Natural History, London; MP – National Museum of Natural History, Paris; MB – Zoological Museum of the A. Humboldt University, Berlin; MR – Entomological Museum, Department of Entomology, University of California, Riverside, California, USA.

Anagyrus schoenherri (Westwood): 1 ♀, Jony, Aise, ex *Phenacoccus mespili* Signoret, 1904, Lécallon (det. Ch. Ferrière) [MP]. – The species is known from England, the Netherlands, Denmark, Finland, Poland, Germany, Czechoslovakia (former), Hungary, Italy, Montenegro, Rumania, Bulgaria, Russia (Leningrad, Moscow, Kaluga Provinces, Stavropol' Terr., Kabardino-Balkaria, Primorsk Terr., Sakhalin), Estonia, Byelorussia, Moldavia, Ukraine, Turkey, Armenia, Azerbaijan, Iran, China and Japan. Usual host: *Phenacoccus aceris* Signoret (Homoptera: Pseudococcidae).

Aphycoides clavellatus (Dalman, 1820): 2 ♂, Buchy, S. Inf., ex *Lecanium piceae* Schrank s/*Abies excelsa*, 13.V.1954, E. Noury [MP]. – The species is known from England, Denmark, Sweden, Finland, Poland, Germany, Czechoslovakia (former), Hungary, Montenegro, Rumania, Bulgaria, Russia (Karelia, Kaliningrad, Leningrad, Yaroslavl', Moscow, Kaluga, Orel, Voronezh, Perm' Provinces, Stavropol' and Krasnodar Territories, Karachaevo-Cherkesia, Kabardino-Balkaria, Altai Terr., Yakutia, Irkutsk Prov., Primorsk Terr.), Estonia, Moldavia, Ukraine, Turkey, Georgia, Kazakhstan, Kyrgyzstan, Mongolia, Japan, Canada, USA. Usual hosts: species of the genus *Physokermes* (Homoptera: Coccidae) on spruces (*Picea* spp.).

Cheiloneurus boldyrevi Trjapitzin & Agekian, 1978: 1 ♀, La Garde, Var, s/*Arundo donax*, 14.VIII.1955 (J. Barbier) [MP]. – The species is known from Czechoslovakia (former), Spain, Greece, Bulgaria, Russia (Black Sea coast of Krasnodar Terr.), Moldavia, Ukraine, Georgia, Armenia, Uzbekistan and Tajikistan. Usual host: puparia of Syrphidae (Diptera).

Choreia inepta (Dalman, 1820): 1 ♀, Vogesen, Gr. Belchen Gipfel [MB]. – The species is known from England, the Netherlands, Denmark, Sweden, Poland, Germany, Austria, Czechoslovakia (former), Spain, Hungary, Italy, Croatia, Bosnia and Herzegovina, Montenegro, Rumania, Bulgaria, Russia (Kaliningrad, Kaluga, Voronezh, Orenburg Provinces, Stavropol' Terr., Kabardino-Balkaria, Primorsk Terr.), Moldavia, Ukraine, Armenia and Mongolia. Host: reared from *Lecanopsis formicarum* Newstead (Homoptera: Coccidae) in Germany and Poland.

Coenocercus puncticollis Thomson, 1876: 1 ♀, Dijon, Cot d'Or, sous ecorce sycomore, I.1969 (J. Barbier) [MP]. – The species is known from England, Sweden, Finland, Germany, Czech Republic, Slovakia, Hungary, Spain, Italy, Montenegro, Rumania, Russia (Moscow, Kaluga, Voronezh Provinces, Altai Terr., Tuva, Irkutsk Prov.), Estonia and Moldavia. Host: reared from cocoons of Hemerobiidae (Neuroptera) in Irkutsk Prov. of Russia and in Moldavia.

Ginsiana carpetana (Mercet, 1921): 1 ♀, Narbonne, 19.VI.1974 (Z. Bouček) (det. J.S. Noyes) [MR]. – The species is known from England, the Netherlands, Denmark, Norway, Finland, Poland, Spain, Czechoslovakia (former), Hungary, Bulgaria, Russia (Leningrad, Moscow, Vladimir, Ul'yanovsk, Volgograd Provinces, Karachaevo-Cherkesia, Primorsk Terr., Sakhalin), Lithuania, Ukraine, Turkey, Armenia, Azerbaijan, Israel, Turkmenistan, Tajikistan and Mongolia. Host: unknown.

Isodromus flaviscutum Hoffer & Trjapitzin, 1978: 1 ♀, Gorges d'Ollioules, 31.VIII.1948 (J. Barbier) (identified by Ch. Ferrière as *I. puncticeps* Howard) [MP]; 1 ♀, Toulon, Var, s/*Phragmites*, 20.II.1955, (J. Barbier) [MP]. – The species is known from Czechoslovakia (former), Spain, Hungary, Croatia, Bulgaria, Greece, Russia (Kaluga, Nizhny Novgorod, Voronezh, Volgograd Provinces, Daghestan), Moldavia, Ukraine, Turkey, Cyprus, Georgia, Armenia, Azerbaijan, Kazakhstan, Turkmenistan and Uzbekistan. Host: reared from cocoons of *Chrysopa phyllochroma* Wesmael (Neuroptera: Chrysopidae) in Voronezh Prov. of Russia.

Lamennaisia ambigua (Nees, 1834): 1 ♀, Chartres, Seine et Marne, 27.VIII.1950 (Ch. Granger)

[MP]. – The species is known from England, the Netherlands, Denmark, Germany, Austria, Czechoslovakia (former), Spain, Italy, Croatia, Montenegro, Rumania, Bulgaria, Russia (Kaliningrad, Pskov, Moscow, Kaluga, Nizhniy Novgorod, Voronezh, Penza, Ul'yanovsk, Volgograd, Sverdlovsk Provinces, Stavropol' and Krasnodar Territories, Karachaevo-Cherkesia, Irkutsk Prov., Buryatia, Hebrew Autonomous Prov., Khabarovsk and Primorsk Territories), Lithuania, Moldavia, Ukraine, Turkey, Israel, Georgia, Armenia, Azerbaijan, Kazakhstan, Turkmenistan, Tajikistan, Afghanistan, Mongolia, India, Thailand, Indonesia, New Zealand, Canary Islands, USA and Mexico. Host: reared from larvae of *Melanophthalma* sp. nr *distinguenda* Komolli (Coleoptera: Lathridiidae) in New Zealand.

Mayridia procera (Mercet, 1921): 1 ♀, St. Tropez, Var, 14.VI.1980 (Z. Bouček) [ML]. – The species is known from England, Germany, Spain, Slovakia, Hungary, Croatia, Rumania, Bulgaria, Greece, Russia (Leningrad Prov., Black Sea coast of Krasnodar Terr., Daghestan, Primorsk Terr.), Moldavia, Ukraine, Israel and Kazakhstan. Hosts: unknown.

Microterys berberus Masi, 1921: 1 ♀, Narbonne, 1974 (Z. Bouček) (det. P.B. Jensen) [ML]. – The species was known only from Libya. Host: unknown.

Microterys lunatus (Dalman, 1820): 1 ♀, Franchville, Cot d'Or, 9.VI.1974 (J. Barbier) [MP]. – The species was known from England, Denmark, Sweden, Finland, Poland, Germany, Czechoslovakia (former), Hungary, Croatia, Serbia, Rumania, Bulgaria, Russia (Karelia, Leningrad, Novgorod, Yaroslavl', Kostroma, Perm', Moscow, Kaluga Provinces, Altai Terr., Irkutsk Prov., Yakutia), Estonia, Lithuania, Ukraine, Georgia, Kazakhstan and Mongolia. Host: predator on eggs of coccids of the genus *Physokermes* (Homoptera: Coccidae) on spruces (*Picea* spp.).

Negeniaspidius nobilis (Nees, 1834): 1 ♀, Rennes, E.N.A. [MP]. – The species is known from England, Germany, Slovakia, Italy, Hungary, Serbia, Montenegro, Rumania, Bulgaria, Greece, Russia (Kaluga, Lipetsk, Voronezh, Penza, Samara, Volgograd, Astrakhan' Provinces, Stavropol' Terr., Daghestan, Altai Terr., Irkutsk Prov.), Lithuania, Moldavia, Ukraine, Israel, Georgia, Armenia, Azerbaijan, Turkmenistan, Afghanistan, India, Canary Islands and South Africa.

Paratetracnemoidea malenottii (Mercet, 1918): 1 ♀, Forêt de Bavella, Corse, 6.VII.1990 (Z. Bouček) [ML]. – The species is known from Slovakia, Hungary, Spain, Italy, Montenegro, Bulgaria, Russia (Black Sea coast of Krasnodar Terr.), Moldavia, Turkey, Armenia,

Turkmenistan, Gambia and Nigeria. Host: unknown. *Paratetracnemoidea* sp. was reared in Ghana from the mealybug *Planococcoides njalensis* Laing (Homoptera: Pseudococcidae), a vector of cacao shoot virus.

Tyndarichus scaurus (Walker, 1838): 1 ♀, Esbarres, IX.1951 (J. Barbier) [MP]. – The species is known from England, the Netherlands, Denmark, Sweden, Finland, Poland, Germany, Austria, Czechoslovakia (former), Hungary, Rumania, Italia, Russia (Leningrad, Novgorod, Moscow, Vladimir, Nizhniy Novgorod, Kaluga, Lipetsk, Voronezh, Penza, Ul'yanovsk Provinces, Chuvashia, Karachaevo-Cherkesia, Novosibirsk Prov., Altai Terr., Sakhalin, Shikotan), Estonia, Lithuania, Byelorussia, Moldavia, Ukraine, Armenia, Mongolia and China. Host: usually reared from larvae of Lepidoptera; most probably, a hyperparasitoid via polyembryonic Encyrtidae of the genus *Copidosoma*.

Zaomma lambinus (Walker, 1838): 1 ♀, Toulon, Var, 3.V.1952 (J. Barbier) [MP]. – The species is known from Ireland, England, the Netherlands, Denmark, Finland, Poland, Germany, Switzerland, Austria, Czech Republic, Slovakia, Hungary, Spain, Italy, Croatia, Montenegro, Rumania, Bulgaria, Russia (Leningrad, Moscow, Kaluga, Ul'yanovsk, Samara Provinces, Stavropol' and Krasnodar Territories, Kabardino-Balkaria, Chechnya, Daghestan, Primorsk Terr., Sakhalin), Moldavia, Ukraine, Turkey, Lebanon, Georgia, Armenia, Azerbaijan, Iran, Uzbekistan, Mongolia, China, Japan, South Korea, India, Indonesia, Philippines, New Zealand, Hawaii, Tunisia, Canada, USA, Peru, Brazil, Argentina. Host: hyperparasitoid of many species of armored scales (Homoptera: Diaspididae).

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