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# Braconidae (Hymenoptera) in the collection of the Institute of Zoology, NAS of the Azerbaijan Republic

## Part I. Subfamilies Doryctinae, Rogadinae, Braconinae

### (Hymenoptera)

With 1 map

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#### Summary

The paper gives some faunistic records of the braconids from Subfamilies Doryctinae, Rogadinae, Braconinae from the collection of the institute of Zoology of the National Academy of Sciences of Azerbaijan located in Baku. For each taxon localities in Azerbaijan, distribution and hosts remarks are given.

#### Zusammenfassung

In der Arbeit werden Funddaten von Braconiden der Unterfamilien Doryctinae, Rogadinae und Braconinae aus der Sammlung des Instituts für Zoologie der Nationalen Akademie der Wissenschaften von Aserbaidschan in Baku zusammengefasst. Für Taxa aus Aserbaidschan sind ihre Verbreitung und Bemerkungen zu ihren Wirten angefügt.

#### Key words

Azerbaijan, Braconidae, collection, Institute of Zoology NAS of Azerbaijan Republic, host, distribution

#### Introduction

Braconids were studied systematically by A. A. ABDINBEKOVA during 1959-1971. Results of researches were presented in 2 monographs (ABDINBEKOVA, 1975, 1995). She recorded 526 species in Azerbaijan. From them 336 species are kept in the collection of the Institute of Zoology of Azerbaijan National Academy of Sciences, Baku. 98 species are in the collection of Institute of Zoology of Russia, Sankt Petersburg. 15 species from them are holotypes: *Eubazus rufitorax* ABDINB., *Aliolus kusarensis* ABDINB., *Agathis levis* ABDINB., *Agathis dzhulphensis* ABDINB., *Agathis nachitchevanica* ABDINB., *Microdus punctatus* ABDINB., *M. rufiventris* ABDINB., *Ascogaster nachitchevanica* ABDINB., *Chelonus subannulatus* ABDINB., *Chelonus shyrvanicus* ABDINB., *Chelonus (Microchelonus) nachitchevanicus* ABDINB., *Ch. (M) telengai* ABDINB., *Ch. (M) flavonaevulus* ABDINB., *Microplitis albipennis* ABDINB., *M. erythrogaster* ABDINB.

Information about geographical distribution of braconids and hosts was taken from literature (TOBIAS, 1976, 1986; PITKIN et al. 2010).

## Subfamily Doryctinae

**Genus *Spathius* NEES, 1818*****Spathius curvicaudis* RATZEBURG, 1844****Material:**

dist. Mardakert (now Aghdere), 20.VII.1966, forest, 1 ♂, leg. Abdinbekova.

**Hosts:**

*Agrilus biguttatus* F., *A. pratensis* R. (Buprestidae), *Xiphydria prolongata* GEOFFR., *X. longicollis* GEOFFR. (Xiphydriidae).

**Distribution:**

West Europe, Turkey, Azerbaijan.

***Spathius rubidus* (ROSSI, 1794)****Material:**

dist. Zagatala, 20.VI.1966, 1 ♀, leg. Abdinbekova; dist. Guba, 12.VII.1960, fruit gardens, 1 ♀, leg. Abdinbekova; dist. Shusha, 11.VI.1960, 1 ♀, leg. Abdinbekova.

**Hosts:**

*Scolytus multistriatus* MARSH., *S. intricatus* RATZ., *S. pygmaeus* F., *Hylesinus fraxini* PANZ., *Carphoborus minimus* F., *Pityogenes quadridens* HTG., *P. bidentatus* HBST., *P. chalcographus* L., *P. lipperti* HENSCH., *Crypturgus cinereus* HBST., *Blastophagus minor* HTG., *Phloeosinus bicolor* BRULLÉ, *Ips subelongatus* MOTSCH., *Phloeotribus scarabaeoides* BERN., *Rhynchaenus quercus* L., *Magdalis rufa* CERM., *M. frontalis* GYLL., *Pissodes notatus* F. (Curculionidae), *Pyrrhidium sanguineum* L., *Phymatodes (Poecilium) alni* L., *Pogonocherus (Pityphilus) fasciculatus* DEG., *Leiopus nebulosus* L., *Rhagium* sp. (Cerambycidae), *Scobicia chevrieri* VILLA, *Sinoxylon sexdentatum* OL., *Xylonites praeustus* GERM. (Bostrychidae), *Ernobius longicornis* STURM., *Ochina ptinoides* MARSH., *Anobium punctatum* DEG. (Anobiidae), *Agrilus angustulus* ILL. (Buprestidae), *Xiphydria dromedarius* F., *X. prolongata* GEOFFR. (Xiphydriidae).

**Distribution:**

Kazakstan, Russia (Siberia, Far East), West Europe, Mid Asia, Japan, island Java, Azerbaijan, Armenia.

**Genus *Hecabolus* CURTIS, 1834*****Hecabolus sulcatus* CURTIS, 1834****Material:**

Nakhchivan AR, dist. Ordubad, 1.VI.1965, fruit gardens, 1 ♀, leg. Mamedov.

**Hosts:**

*Hylesinus fraxini* PZ., *Phloeosinus aubei* PERRIS, *Ph. thujae* PERR. (Curculionidae), *Ptilinus pectinicornis* L., *P. fuscus* GEOFFR., *Cacotemnus rufipes* F., *Anobium punctatum* DEG., *Ochina ptinoides* MARSH. (Anobiidae), *Ptinus fur* L. (Ptiinidae), *Phymatodes (Poecilium) alni* L. (Cerambycidae).

**Distribution:**

West Europe, Russia (Krasnodarsky Land, Dagestan), Azerbaijan, Georgia.

**Genus *Heterospilus* HALIDAY, 1836*****Heterospilus ferrugineus* MARSHALL, 1894****Material:**

dist. Masally, 11.IX.1965, vegetable gardens, 1 ♀, leg. Abdinbekova.

**Hosts:**

*Sinoxylon sexdentatum* OL (Bostrychidae).

**Distribution:**

France, Dagestan, Azerbaijan, Armenia.

**Genus *Monolexis* FÖRSTER, 1862*****Monolexis fuscicornis* FOERSTER, 1862****Material:**

dist. Lerik, 20.VI.1968, fruit gardens, 1 ♀, leg. Abdinbekova.

**Hosts:**

*Laemophloeus capensis* WALTZ. (Curculionidae), *Schistoceros bimaculatus* OL., *Scobicia pustulata* F., *Sinoxylon sexdentatum* OL. (Bostrychidae), *Mesosa curculionoides* L. (Cerambycidae).

**Distribution:**

West Europe, North and South America, Hawaiian Islands, Azerbaijan, Georgia.

**Genus *Dendrosoter* WESMAEL, 1838*****Dendrosoter protuberans* (NEES, 1834)****Material:**

Nakhchivan AR, dist. Ordubad, 12.X.1965, fruit gardens, 1 ♀; leg. Mamedov.

**Hosts:**

*Scolytus scolytus* F., *S. intricatus* RATZ., *S. carpini* RATZ., *S. aceris* KNOT., *S. rugulosus* RATZ., *S. amygdali* GUER., *S. ratzeburgii* JANS., *S. koenigi* SCHEV., *S. multistriatus* MARSH., *S. pygmaeus* F., *Pityogenes quadridens* HTG., *P. bidentatus* HBST., *Hylesinus fraxini* PANZ., *H. toranio* DANT., *H. crenatus* F., *Phloeosinus aubei* P., *Tomicus piniperda* L., *T. minor* HTG., *Phloeotribus scarabaeoides* BERN., *Dryocoetes villosus minor* EG., *Ips sexdentatus* BÖRN., *I. typographus* L., *Orthotomicus suturalis* GYLL., *Pteleobius kraatzii* EICH., *Xyleborus dispar* F. (Curculionidae), *Phymatodes testaceus* L., *Phymatodes (Poecilium) alni* L., *Exocentrus (Exocentrus) lusitanus* L., *Stromatium unicolor* OL., *Pyrhidium sanguineum* L. (Cerambycidae).

**Distribution:**

Mid Asia, West Europe, Turkey, North America, Azerbaijan, Georgia, Armenia.

**Genus *Ontsira* CAMERON, 1900*****Ontsira antica* (WOLLASTON, 1858)****Material:**

dist. Lerik, Talish, 25.V.1940, forest, 1 ♀, leg. Abdinbekova.

**Hosts:**

*Melasis buprestoides* L. (Melasidae), *Agrilus viridis* L., *Chrysobothris igniventris* RTT. (Buprestidae), *Ptilinus pectinicornis* L. (Anobiidae), *Pyrrhidium sanguineum* L., *Plagionotus arcuatus* L., *Paraplagionotus floralis* PALL., *Phymatodes testaceus* F., *Pogonocherus (Pogonocherus) hispidulus* PILL., *Exocentrus (Exocentrus) punctipennis* MULS. (Cerambycidae), *Scolytus pygmaeus* F., *S. rugulosus* MÜL., *Magdalis frontalis* GYLL., *Tomicus piniperda* L., *Ips acuminatus* GYLL. (Curculionidae).

**Distribution:**

Russia (West Siberia, Southern part of Far East, island Sakhalin), West Europe, Turkey, North America, Azerbaijan, Georgia.

**Genus *Doryctes* HALIDAY, 1836*****Doryctes leucogaster* (NEES, 1834)****Material:**

c. Baku, 02.V.1938, 2 ♀, leg. Bogachov; dist. Khachmaz, 19.VII.1961, 1 ♂, leg. Abdinbekova; dist. Guba, 27.VII.1962, 2 ♀, leg. Abdinbekova; Nakhichevan AR, dist. Ordubad, 17.V.1965, fruit gardens, on xerophytes, lupine, 1 ♂, leg. Abdinbekova; 9.VI.1965, 1 ♂, leg. Abdinbekova.

**Hosts:**

*Rhagium (Rhagium) inquisitor* L., *Hylotrupes bajulus* L., *Tetropium castaneum* L., *Acanthocinus aedilis* L., *Anaethetis testacea* F., *Exocentrus lusitanus* L. (Cerambycidae), *Hadrobregmus pertinax* L., *Anobium punctatum* DEG. (Anobiidae), *Lampra mirifica* MULS., *Chrysobothris affinis* F., *A. manca* L. (Buprestidae), *Bostrichus capucinus* L. (Bostrichidae), *Ptinus fur* L. (Ptinidae), *Ips sexdentatus* B., *Pissodes castaneus* DEG. (Curculionidae), *Loxostege sticticalis* L. (Pyralidae).

**Distribution:**

Caucasus, Mid Asia, Siberia, West Europe, Iran.

**Genus *Rhaconotus* RUTHE, 1854*****Rhaconotus aciculatus* RUTHE, 1854****Material:**

dist. Mardakert (now Agdere), fruit gardens, forests. 9.VIII.1966, 1 ♀, leg. Abdinbekova.

**Hosts:**

*Anthaxia lgoeckii* OBNB. (Buprestidae).

**Distribution:**

Kazakstan, Mid Asia, Primorskiy Land, West Europe, Israel, Mongolija, Azerbaijan.

**Genus *Colastes* HALIDEY, 1833*****Colastes braconius* HALIDAY, 1833****Material:**

dist. Gulgashen (now Gabala), forest, 1 ♀, 18.VII.1965, leg. Hidayatov.

**Hosts:**

*Tischeria dodonaea* STT., *T. ekebladella* L., *Coptotriche marginea* Hw. (Tischeriidae), *Stigmella nylandriella* TENG., *Nepticula splendidissima* H.-S. (Nepticulidae), *Heliozela betulae* STT., *Antispila treitschkiella* F.R. (Heliozelidae), *Mompha (Psacaphora) raschkiella* Z., *M. epilobiella* DEN. et SCHIFF. (Mompidae), *Stathmopoda cylindricus* F. (Oecophoridae), *Lampides boeticus* L. (Lycaenidae), *Dyseriocrania subpurpurella* Hw. (Eriocraniidae), *Tortrix viridana* L. (Tortricidae), *Agromyza albitarsis* MG., *Liriomyza pusilla* MG., *Liriomyza approximata* HENDEL, *Pytobia verbasci* BOUCHÉ (Agromyzidae).

**Distribution:**

Kazakstan, Russia (The Ural, Siberia, Primorskiy, Island Sakhalin), West Europe, Azerbaijan, Armenia.

**Genus *Hormius* NEES, 1818*****Hormius moniliatus* (NEES, 1812)****Material:**

dist. Guba, 2.VIII.1962, 1 ♂, leg. Abdinbekova; dist. Goychay, 13.VIII.1962, 2 ♀, leg. Kulieva; dist. Masally, 8.IX.1965, 1 ♂, leg. Abdinbekova; dist. Astara, 25.VI.1965, 1 ♂, leg. Abdinbekova; dist. Goychay, 8.VII.1965, 1 ♂, leg. Mirzazadeh; dist. Margushevan (now Khojavend) 9.IX.1966, 3 ♂, leg. Abdinbekova; dist. Guba, 12.IX.1962, 1 ♂, leg. Abdinbekova; dist. Mardakert (now Aghdere), 20.VI.1967, 1 ♂, 1 ♀, leg. Abdinbekova; dist. Tartar, 5.VI.1966, 1 ♀, leg. Abdinbekova; dist. Kalbajar, 23.VI.1967, 1 ♂, leg. Abdinbekova; dist. Kedabek, 22.VIII.1966, 1 ♂, leg. Abdinbekova; dist. Agsu, 20.VIII.1966, 1 ♀, leg. Abdinbekova; dist. Shamkir, 19.VIII.1966, 1 ♀, leg. Abdinbekova; dist. Gulgashen (now Gabala), 24.X.1960, 1 ♀, leg. Mirzazadeh.

**Hosts:**

*Pexicopia malvella* HB. (Gelechiidae), *Scythris inspersella* HB. (Scythrididae), *Pyrausta aurata* SCOP., *Microstega hyalinialis* HB., *Loxostege nudalis* HB. (Pyralidae), *Coleophora trifariella* Z. (Coleophoridae), *Archips crataegana* HB. (Tortricidae).

**Distribution:**

West Europe, Kazakstan, Mid. Asia, Mid. Asia, Russia (East Siberia), Azerbaijan, Armenia, Georgia.

**Genus *Rhysipolis* FÖRSTER, 1862*****Rhysipolis decorator* (HALIDAY, 1836)****Material:**

dist. Lerik. Zuvant, 20.VIII.1965, fruit gardens, alpine meadows, forests, 1 ♀, leg. Abdinbekova.

**Hosts:**

*Euphranta connexa* F. (Tephritidae).

**Distribution:**

Belgium, Sweden, Kazakstan, Mid Asia, East Siberia, Azerbaijan, Armenia, Georgia.

***Rhysipolis hariolator* (HALIDAY, 1936)****Material:**

dist. Mardakert (now Aghdere), 4 ♀, 11.VI.1966, leg. Abdinbekova; dist. Julfa, 21.V.1967, 1 ♂, leg. Abdinbekova; Nakhichevan AR, dist. Shahbuz, 14.IX.1967, 2 ♀, leg. Abdinbekova.

**Hosts:**

*Parornix avellanella* STT., *P. betulae* STT., *Caloptilia elongella* L. (Gracillariidae).

**Distribution:**

Kazakstan Russia (Magadan, Primorskiy, Khabarovskiy territory, Sakhalin island, the Kuril islands), West Europe, Azerbaijan, Armenia.

**Genus *Oncophanes* FÖRSTER, 1862*****Oncophanes laevigatus* (RATZBURG, 1852)****Material:**

dist. Guba, 20.V.1961, fruit gardens, 5 ♀, 9 ♂, leg. Abdinbekova.

**Hosts:**

*Croesia forskaeana* L., *Tortrix viridana* L., *Eucosma aspidiscana* HB., *Archips rosana* L., *A. xylosteana* L., *Choristoneura hebenstreitella* MÜLL., *Spilonota ocellana* F., *Acleris rhombana* DEN. et SCHIFF., *A. variegana* DEN. et SCHIFF., *Eudemis profundana* DEN. et SCHIFF., *Ptycholoma lecheana* L., *Ancylis mitterbacheriana* DEN. et SCHIFF., *Pandemis cerasana* HB., *Rhyacionia buoliana* DEN. et SCHIFF., *Adoxophyes orana* F.R. (Tortricidae), *Scrobipalpa acuminatella* SIRC., *Recurvaria leucatella* CL. (Gelechiidae), *Agonopterix nervosa* Hw. (Depressariidae), *Choreutis pariana* CL., *Prochoreutis sebestediana* F. (Choreutidae).

**Distribution:**

West Europe, Kazakstan, Mid. Asia, Russia (East Siberia), Azerbaijan, Armenia, Georgia.

**Genus *Clinocentrus* HALIDAY, 1833*****Clinocentrus exsertor* (NEES, 1812)****Material:**

dist. Agdash, 9.VI.1960, cotton fields and subalpine meadows, 1 ♂, leg. Aliev; dist. Dashkasan, 2.VI.1966, subalpine meadows, 1 ♀, leg. Abdinbekova. dist. Yardimly, 5.IX.1965, tea plantations, 1 ♀, leg. Abdinbekova.

**Hosts:**

*Rhyacionia buoliana* DEN. et SCHIFF., *Cnephasia genitalana* P. et M. (Tortricidae).

**Distribution:**

Kazakstan, Russia (Chita, South Far East), West Europe, Mongolia, Azerbaijan, Georgia.

**Subfamily Rogadinae****Genus *Rogas* WESMAEL, 1838*****Rogas arnoldii* TOBIAS, 1976****Material:**

Mil steppe, 14.V.1934, 1 ♂, leg. Bogachev; dist. Mingechevir, 2.VIII.1946, 1 ♂, leg. Bogachev; dist. Agdash, 1.VI.1960, 1 ♂, leg. Aliev; dist. Agdash, 13.VI.1965, 1 ♂, leg. Mirzazadeh; dist. Guba, 18.VII.1961, 1 ♂; leg. Abdinbekova; dist. Ucar, 28.IX.1962, 1 ♀, leg. Abdinbekova; dist. Yardimly, 28.V.1965, 1 ♂, leg. Abdinbekova; dist. Masally, 20.VI.1965, 2 ♀, leg. Abdinbekova; dist. Lerik, 15.V.1966, 1 ♀, leg. Abdinbekova; dist. Mardakert (now Aghdere) 10.VI.1966, 1 ♂, leg. Abdinbekova; dist. Agdam, 13.VI.1966, 1 ♂, leg. Abdinbekova.

**Hosts:**

unknown.

**Distribution:**

Azerbaijan.

***Rogas aestuosus* (REINHARD, 1863)****Material:**

Mil steppe, 14.V.1934, 1 ♂, leg. Bogachev; dist. Mingechevir, 2.VIII.1946, semidesert 1 ♂, leg. Bogachev; dist. Agdash, 1. VI.60, 1 ♂.; leg. Aliev; dist. Agdash, 13.VI.1965, 1 ♂, leg. Mirzazadeh; dist. Guba, 18.VII.1961, fruit gardens, alfalfa fields, forests, 1 ♂, leg. Abdinbekova; dist. Ucar 28.IX.1962, cotton field, 1 ♀, leg. Abdinbekova; dist. Yardimly, 28.V.1965, fruit gardens, vegetable gardens, 1 ♂, leg. Abdinbekova; dist. Masally 20.VI.1965, vegetable gardens, 2 ♀, leg. Abdinbekova; dist. Lerik 15.V.1966, 1 ♀, leg. Abdinbekova; Margushevan (now Khojavend). 10.VI.1966, 1 ♂, leg. Abdinbekova; dist. Agdam, 13. VI.1966, cotton fields, 1 ♂, leg. Abdinbekova; Sornovu, 1897, 1 ♂, leg. Bogachev.

**Hosts:**

*Heliothis peltigera* DEN. et SCHIFF., *Autographa gamma* L. (Noctuidae).

**Distribution:**

South Caucasus, Middle Asia, South West Mediterranean Sea.

***Rogas rugulosus* (NEES, 1811)**

**Material:**

Sorbu 1.VIII.1937, 1 ♂, leg. Bogachev.

**Hosts:**

*Acronicta euphorbiae* DEN. et SCHIFF., *A. auricoma* DEN. et SCHIFF., *A. menyanthidis* V., *A. cinerea* HFN., *Orthosia miniosa* DEN. et SCHIFF., *Oxicesta geographica* F., *Simyra albovenosa* GOEZE (Noctuidae).

**Distribution:**

Kazakstan, East Siberia, Primorskiy, West Europe, Azerbaijan, Georgia.

***Rogas schirjaevi* KOKUEV, 1898**

**Material:**

dist. Nukha (now Sheki), 7.VII.1965, 1 ♂, leg. Mirzazadeh.

**Hosts:**

unknown.

**Distribution:**

North Africa, West Europe, Iran, Kazakstan, Russia (South Siberia till Far East), Mid Asia, Caucasus.

***Rogas ductor* THUNBERG, 1822**

**Material:**

dist. Agdash, 6.VII.1960, 5 ♂, leg. Kuliev; dist. Zagatala, 2 ♀, 11 ♂, 11.VII.1959, same locality, 11.VII.59, 1 ♂, leg. Abdinbekova; same locality, 1.VII. 1960, 2 ♀, leg. Mirzazadeh; dist. Goychay, 25.V.1962, fruit gardens, 1 ♂, leg. Abdinbekova; dist. Khachmaz, fruit gardens, forests, vegetable gardens, alfalfa fields. 8.VI.1966, 1 ♂, 1 ♀, leg. Abdinbekova; dist. Kurdamir, 20.X.64, 1 ♂, leg. Abdinbekova; dist. Masally, 5.VII.1965, tea plantations, fruit gardens. 2 ♂, leg. Abdinbekova; same locality, 6.VII.1965, 2 ♀, leg. Abdinbekova; dist. Lerik, 20.VII.1965, 2 ♂, leg. Abdinbekova; dist. Guba, 1.IX.1962, alpine meadows, vineyards, 1 ♂, leg. Abdinbekova; Gasym Ismayilov (Goranboy), 1 ♂, leg. Abdinbekova; dist. Agdam. 6.VI.1966, alfalfa fields, 1 ♂, leg. Abdinbekova; same locality, 6.VI.1967, 2 ♂, leg. Abdinbekova; dist. Mardakert (now Aghdere), 6.VII.1967, 5 ♂, 6 ♀, leg. Abdinbekova; dist. Goygol, 6.VIII.1967,



2 ♀, leg. Abdinbekova; same locality, 6.VIII.1967, 1 ♂, leg. Abdinbekova; dist. Shamkir, 19.VIII.1968, cotton fields, 1 ♀, leg. Abdinbekova; dist. Julfa, 21.V.1967, alpine steppe, 2 ♀, 9 ♂, leg. Abdinbekova; dist. Ordubad, 23.VI.1967, fruit gardens, 1 ♀, leg. Abdinbekova; same locality, 20.V.1967, 1 ♂, leg. Abdinbekova; dist. Norashen (now Sharur), 23.V.1967, 4 ♂, leg. Abdinbekova; Nakhchivan AR, 5.IX.1967, 3 ♀, 2 ♂, leg. Abdinbekova; dist. Iliche (now Sharur), 21.IX.1967, 1 ♂, leg. Abdinbekova; Margushevan (now Khojavend), 6.VII.1966, 2 ♀, 1 ♂, leg. Abdinbekova; settlement Mardakan, 15.VI.1967, 1 ♂, leg. Abdinbekova; Mir-Bashir (now Tartar), 11.V.1967, 1 ♂, leg. Abdinbekova; dist. Goranboy, 23.VI.1967, 1 ♀, leg. Abdinbekova; dist. Lerik, 20.VII.1965, alpine meadows, 2 ♂, leg. Abdinbekova.

#### Hosts:

*Mamestra brassicae* L., *Autographa gamma* L., (Noctuidae), *Euthrix potatoria* L. (Lasiocampidae).

#### Distribution:

Kazakstan, Mid Asia, South Siberia till Far East, West Europe, North America, Israel, Iran, Azerbaijan, Armenia, Georgia, Turkmenistan.

### ***Rogas dimidiatus* SPINOLA, 1808**

#### Material:

Eldar poylu, 14.V.1935, 1 ♂, leg. Bogachev; Vartashen (now Oguz), 25.VII.1935, 1 ♀, leg. Bogachev, dist. Zagatala, 7.VIII.1960, forest, fruit gardens, 1 ♂, 1 ♀, leg. Mirzazadeh; dist. Agdam, 11.VI.1960, cotton fields, alfalfa fields, 2 ♀, leg. Kulieva; dist. Kutkashen (now Gabala), 14.VII.1960, 1 ♂, leg. Mirzazadeh; dist. Guba, 7.VII.1961, vineyards, fruit gardens, 1 ♀, leg. Abdinbekova; same locality, 9.VII.1962, 1 ♂, leg. Abdinbekova; dist. Masally, 16.V.1965, 2 ♀, leg. Abdinbekova; dist. Nukha (now Sheki), 7.VII.1965, 1 ♀, leg. Mirzazadeh; dist. Mardakert (now Aghdere), 27.IV.1967, 1 ♀, leg. Abdinbekova; Nakhchivan AR, 25.V.1967, fruit gardens, 1 ♂, leg. Abdinbekova; dist. Khachmaz, 11.IX.1962, fruit gardens, 3 ♀, 2 ♂, leg. Abdinbekova.

#### Hosts:

*Agrothis segetum* DEN. et SHICFF., *A. vestigialis* HFN., *A. clavis* HFN., *A. exclamationis* L., *Euxoa tritici* L., *E. temera* HB., *Heliocoverpa armigera* HB., *Cosmia subtilis* STGR., *Hoplodrina alsines* BRAHM, *H. blanda* DEN. et SCHIFF., *Caradrina morpheus* HFN., *Apamea anceps* DEN. et SCHIFF., *Cerapteryx graminis* L. (Noctuidae), *Arctia caja* L., *Diacrisia sannio* L., (Arctiidae), *Euthrix potatoria* L., *Lasiocampa quercus* L., *Macrothylacia rubi* L. (Lasiocampidae), *Orgia antiqua* L., *O. dubia* TAUSCH. (Lymantriidae), *Thaumetopoea processionea* L. (Thaumetopoeidae).

#### Distribution:

Iran, Mongolia, Korea, North Africa, West Europe, Turkmenistan, East Siberia, Azerbaijan.

### ***Rogas pallidator* THUNBERG, 1822**

#### Material:

dist. Norashen (now Sharur), 6.IX.1959, 1 ♀, leg. Kurbanov; same locality, 6.IX.1967, 1 ♀, leg. Abdinbekova; dist. Agdash, 19.VI.60, 1 ♀, leg. Aliiev; dist. Khachmaz, 6.VII.1963, fruit gar-

dens on grasses, 3 ♀, leg. Abdinbekova; dist. Goychay, cotton fields, 1 ♀, leg. Abdinbekova; dist. Masally, 27.VI.1965, vegetable gardens, 1 ♂, 2 ♀, leg. Abdinbekova; dist. Guba, 5.VI.1963, fruit gardens, 2 ♀, leg. Abdinbekova; dist. Shahbuz, 22.V.1967, 1 ♀, leg. Abdinbekova.

#### Hosts:

*Leucoma salicis* L., *Lymantria dispar* L., *Euproctis chrysorrhoea* L. (Lymantriidae), *Cyclophora quercimontaria* BAST., *C. punctaria* L., *C. pendularia* CL., *Hylaea fasciaria* L., *Bupalus piniaria* L., *Dyscia conspersaria* DEN. et SCHIFF., (Geometridae), *Anarsia lineatella* Z. (Gelechiidae), *Cosmotriche lobulina* DEN. et SCHIFF. (Lasiocampidae), *Apotomis sororculana* ZETT. (Tortricidae), *Spodoptera exiqua* HB., *Agrotis segetum* DEN. et SCHIFF. (Noctuidae).

#### Distribution:

Caucasus, Mid Asia, Siberia, Primorsky Land, Azerbaijan, West Europe, Afganistan, Mongolia.

### ***Rogas circumscriptus* NEES, 1834**

#### Material:

dist. Norashen (now Sharur), 19.VI.1959, meadows, 1 ♂, leg. Kurbanov; dist. Ordubad, 5.IX.1967, fruit gardens, 1 ♂, leg. Abdinbekova; same locality, 6.IX.1967, 3 ♀, leg. Abdinbekova; dist. Shahbuz, 6.VI.1967, fruit gardens, 1 ♂, leg. Abdinbekova; dist. Julfa, 21.V.1967, 1 ♂, leg. Abdinbekova; Kirovabad (now Ganja) forest, 19.VII.1966, 1 ♂, leg. Abdinbekova; dist. Stepanakert (now Khankendi), 22.VIII.1966, fruit gardens on grasses, 1 ♀, leg. Abdinbekova; Nakhchivan AR, 16.IX.1967, fruit gardens, on grasses, 1 ♂, leg. Abdinbekova; c. Baku, 24.IV.1937, on grasses, 1 ♂, leg. Bogachev; dist. Kusar, 5.VII.1962, fruit gardens, forest, 1 ♂, leg. Abdinbekova; dist. Nukha (now Sheki), 22.V.1965, 1 ♀, leg. Mirzazadeh; dist. Mardakert (now Aghdere), 28.IV.1967, 13 ♂, leg. Abdinbekova; dist. Mir-Bashir (now Tartar), 12.VI.1966, 1 ♀, leg. Abdinbekova; dist. Shusha, 18.VIII.1966, 1 ♂, leg. Abdinbekova; dist. Kalbajar, 7.VII.1966, 2 ♀, leg. Abdinbekova; same locality, 7.VII.1967, 1 ♀, leg. Abdinbekova; dist. Shahbuz, 4.V.1967, 2 ♂, leg. Abdinbekov; dist. Norashen (now Sharur), 23.V.1967, 2 ♀, leg. Abdinbekova; dist. Ordubad, 5.IX.1967, fruit gardens, 1 ♂, 1 ♀, leg. Abdinbekova; dist. Margushevan (now Khojavid), 24.IV.1967, 1 ♂, leg. Abdinbekova.

#### Hosts:

*Bupalus piniaria* L., *Hylaea fasciaria* L. (Geometridae), *Dioryctria abietella* DEN. et SCHIFF. (Tortricidae), *Mythimna unipuncta* Hw., *Mamestra brassicae* L., *Lithomoia solidaginis* HB., *Apamea crenata* HFN., *Orthosia incerta* HFN., *O. gracilis* DEN. et SCHIFF. (Noctuidae), *Atolmis rubricollis* L. (Lithosiidae).

#### Distribution:

Kazakstan, Siberia till Far East, West Europe, Azerbaijan, Armenia, Georgia.

### ***Rogas rossicus* KOKUJEV, 1898 sensu TOBIAS, 1986**

#### Material:

dist. Agdam, 19.VI.1960, cotton fields, alfalfa fields, 1 ♀, leg. Aliev; same locality, 13.VII.1966, 1 ♂, leg. Abdinbekova; dist. Guba, 5.IX.1963, 5 ♀, leg. Abdinbekova; dist. Goychay, 24.VII.1964,

fruit gardens, 1 ♂, leg. Mirzazadeh; dist. Margushevan (now Khojavend), 6.IX.1966, 3 ♀, leg. Abdinbekova; dist. Mardakert (now Aghdere), 26.VIII.1966, 2 ♂, leg. Abdinbekova; dist. Gasym-Ismaïlov (now Goranboy), 1.VII.1966, 1 ♂, 1 ♀, leg. Abdinbekova; dist. Shahbuz, 6.VI.1967, 5 ♀, 4 ♂, leg. Abdinbekova; dist. Ordubad, 6.IX.1967, 13 ♂, 8 ♀, leg. Abdinbekova; Nakhchivan AR, 19.IX.1967, 3 ♀, 4 ♂, leg. Abdinbekova.

#### Hosts:

*Cerura vinula* L. (Notodontidae), *Cilix glaucata* SCOP. (Drepanidae), *Ostrinia nubilalis* HB., (Pyraustidae), *Eupithecia pusillata* DEN. et SCHIFF., *Tephрина arenacearia* DEN. et SCHIFF., *Chloroclystis v-ata* HB., *Erannis defoliaria* CL., *E. jacobsoni* DJAK., *Hylaea fasciaria* L., *Lycia hirtaria* CL., *L. pomonaria* HB., *Operophtera brumata* L., *Apocheima hispidaria* DEN. et SCHIFF. (Geometridae), *Malacosoma neustria* L. (Lasiocampidae), *Archips rosana* L., *Lobesia (Polychrosis) botrana* DEN. et SCHIFF. (Tortricidae), *Euproctis similis* FUESSLY, *E. chrysorrhoea* L., *Leucoma salicis* L. (Lymantriidae), *Autographa gamma* L., *Spodoptera exiqua* HB., *Helicoverpa armigera* HB., *Euclidia mi* CL. (Noctuidae) and other lepidopteran.

#### Distribution:

West Europe, Mongolia, Turkmenistan, Kazakstan, East Siberia, Georgia, Azerbaijan.

### ***Rogas geniculator* NEES, 1834**

#### Material:

Norashen (now Sharur), 15.V.1966, cotton field, 1 ♀, leg. Hidayatov.

#### Hosts:

*Euthrix potatoria* L. (Lasiocampidae), *Orgyia antiqua* L., *O. recens* HB., *Gynaephora selenitica* Esp., *Euproctis chrysorrhoea* L., *E. similis* FUESSLY (Lymantriidae), *Arctia caja* L., *A. villica* L., *Ocnogyna boetica* RBR., *Coscinia cribraria* L. (Arctiidae), *Spilonota ocellana* F. (Tortricidae), *Autographa gamma* L., *Noctua fimbriata* SCHREB., *N. pronuba* L., *Acronicta psi* L. (Noctuidae), *Thaumetopoea processionea* L., *Th. pityocampa* DEN. et SCHIFF. (Thaumetopoeidae).

#### Distribution:

West Europe, Mongoliya, Central and South Caucasus, Kazakstan, Mid Asia, East Siberia, Yakutiya, West Europe, Mongolia.

### ***Rogas bicolor* SPINOLA, 1808**

#### Material:

dist. Goychay; 20.VIII.1964, 3 ♀, leg. Abdinbekova; same locality, 15.VII.1964, 1 ♂, leg. Mirzazadeh; dist. Lerik, 20.VIII.1965, 2 ♀, leg. Abdinbekova; Margushevan (now Khojavend), 7.VIII.1966, 24 ♀, leg. Abdinbekova; same locality, 5.VIII.1966, 13 ♂, leg. Abdinbekova; dist. Mardakert (now Aghdere), 6.VII.1967, 10 ♂, leg. Abdinbekova; same locality, 6.VII.1967, 10 ♀, leg. Abdinbekova; dist. Goychay, 6.VII.1964, 18 ♀, leg. Abdinbekova; dist. Guba, 7.X.1960, fruit gardens, 7 ♀, leg. Abdinbekova; same locality, 8.IX.1962, 6 ♂, leg. Abdinbekova; dist. Zagatala, 7.VIII.1959, 1 ♀, 1 ♂, leg. Mirzazadeh; dist. Agdam, 6.VIII.1960, 6 ♀, leg. Abdinbekova; same locality, 9.VIII.1966, 10 ♂, leg. Abdinbekova; Gusar, 11.VII.1961,

1 ♀, 1 ♂, leg. Abdinbekova; dist. Yardimli, 6.IX.65, 2 ♀, leg. Abdinbekova; dist. Balakan 15.IV.1959, 1 ♂, leg. Abdinbekova; dist. Khachmaz, 14.IV.1966, fruit gardens, 6 ♀, 14 ♂, leg. Abdinbekova; dist. Masally, 7.IX.1965, 1 ♂, leg. Abdinbekova; dist. Lankaran, 9.VI.1965, tea plantations, 6 ♂, leg. Abdinbekova; dist. Nukha (now Sheki), 5.VII.1965, 2 ♂, leg. Abdinbekova; dist. Astara, 20.VI.1965, 1 ♂, leg. Abdinbekova; Altyaghach, 11.VII.1965, 1 ♀, leg. Hidayatov; Gakh 24.VII.1965, 1 ♀, leg. Mizazadeh; dist. Shamakhy, 26.5.1966, mountain meadows, 1 ♀, 1 ♂, leg. Abdinbekova; dist. Gasym Ismayilov (now Goranboy), 19.VIII.1966, 2 ♀, 3 ♂, leg. Abdinbekova; dist. Shamkir, 18.VIII.1966, 3 ♀, 2 ♂, leg. Abdinbekova; dist. Kedabek, 28.VIII.1966, 4 ♀, 2 ♂, leg. Abdinbekova; dist. Goranboy, 7.VIII.1966, 1 ♀, 2 ♂, leg. Abdinbekova; dist. Goygol, 4.VIII.1966, 2 ♂, leg. Abdinbekova; dist. Stepanakert (now Khankendi), 22.VIII.1966, 5 ♀, 1 ♂, leg. Abdinbekova; Nakhchivan AR, 6.IX.1967, 20 ♀, 9 ♂, leg. Abdinbekova; dist. Ordubad, 10.IX.1967, 14 ♀, 3 ♂, leg. Abdinbekova; dist. Shahbus, 14.IX.1967, 2 ♀, leg. Abdinbekova.

#### Hosts:

*Apamea sordens* HFN. (Noctuidae), *Zygaena filipendulae* L., *Z. viciae* DEN. et SCHIFF., *Rhagades pruni* DEN. et SCHIFF. (Zygaenidae), *Dasychira albodentata* BREM. (Lymantriidae), *Polyommatus eros* OCHS. (Lycaenidae), *Pterophorus monodactylus* L., *Leioptilus tephrodactylus* HB. (Pterophoridae), *Archiearis parthenias* L. (Geometridae), *Aglais urticae* L. (Nymphalidae).

#### Distribution:

West Europe, Mongolia, Transcaucasus, Kazakstan, Mid Asia (Turkmenia), East Siberia, Far East.

### Subfamily Braconinae

#### Genus *Glyptomorpha* HOLMGREN, 1868

#### *Glyptomorpha discolor* (THUNBERG, 1822)

#### Material:

dist. Goychay, 29.VI.1930, forest, 1 ♀, leg. Bogachev; dist. Zagatala, 13.V.1937, forest, 1 ♂, leg. Bogachev; Halenendorf (now Goygol), 25.V.1935, forest, 1 ♀, leg. Bogachev.

#### Hosts:

unknown.

#### Distribution:

Russia, Caucasus, Kazakhstan, Mid Asia.

#### *Glyptomorpha pectoralis* (BRULLE, 1832)

#### Material:

dist. Shamakhy, 30.VI.1937, mountain meadows, 1 ♀, leg. Bogachev; dist. Ganja, 4.VIII.1933, forest, 1 ♂, leg. Vinovski; dist. Lankaran, 25.VI.1929, forest, 1 ♂, leg. Selevanchikov; dist.

Samukh. 28.V.1935, motley grass, 1 ♀, leg. Bogachev; c. Baku. 7.V.1936, motley grass, 1 ♀, 7 ♂, leg. Bogachev; dist. Nukha (now Sheki), 19.VIII.1935, 1 ♂, leg. Bogachev; dist. Vartashen (now Oguz), 25-27.VII.1935, 7 ♂, leg. Bogachev; dist. Gutgashen (now Gabala), 10.VIII.1935, 1 ♀, 5 ♂, leg. Bogachev; dist. Khachmaz, 7.VIII.1961, fruit gardens, 10 ♀, 5 ♂, leg. Abdinbekova; steppe Mughan, 16.VIII.1940, 1 ♀, leg. Bogachev; dist. Yevlakh, 20.VI.1938, cotton fields, 1 ♀, leg. Bogachev; dist. Guba, 1 ♀, 4 ♂, fruit gardens, 8.VII.1937, leg. Bogachev; dist. Guba, 7.VII.1962, 1 ♂, leg. Abdinbekova; dist. Lachin, 22.VII.1966, 2 ♀, 2 ♂, leg. Abdinbekova; Nakhchivan AR, 18.IX.1967, 1 ♀, leg. Abdinbekova; dist. Julfa, 13.VI.1967, 2 ♂, leg. Abdinbekova; dist. Masally, 27.VI.1965, 1 ♀, leg. Abdinbekova.

### Hosts:

*Sphenoptera laticollis* OL., *S. gossypii* KERR., *S. montana* JAK., *Chrysobothris affinis* F. (Buprestidae), *Plagionotus arcuatus* L., *P. bobelayei* BRULLÉ, *Schinocerus speciosus* AD. (Cerambycidae).

### Distribution:

South Russia, Caucasus, Azerbaijan, Kazakhstan, Mid Asia, South-Western Europe, Africa, Lesser Asia, Mongolia, China, Pakistan, India.



Map of Azerbaijan: ▲ - destinations. - ○ collection sites.

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