

MUSEUM & INSTITUTE of ZOOLOGY  
POLISH ACADEMY of SCIENCES

# FRAGMENTA FAUNISTICA

Vol 43  
Year 2000

WARSAW

<http://rcin.org.pl>

EDITORIAL BOARD

**Elżbieta Chudzicka, Waldemar Mikołajczyk, Regina Pisarska** (editor in chief),  
**Irmina Pomianowska-Pilipiuk, Ewa Skibińska, Maria Sterzyńska,**  
**Jolanta Wytwer** (editorial secretary)

---

Editorial office

Museum and Institute of Zoology of Polish Academy of Sciences  
00-679 Warszawa, ul. Wilcza 64

---

© Copyright by Museum and Institute of Zoology PAS  
Warsaw 2000

## CONTENTS

### No 1–8: 30.06.2000

No 1.	Przemysław Trojan. The meaning and measurement of species diversity .....	1
No 2.	Irmína Pilipiuk. Diversification of enchytraeid communities ( <i>Enchytraeidae</i> , <i>Oligochaeta</i> ) of the South Basin of the Biebrza National Park .....	15
No 3.	Wojciech Czechowski, Wiesława Czechowska. <i>Epinyrma ravouxi</i> (ANDRÉ, 1896) ( <i>Hymenoptera</i> , <i>Formicidae</i> ) in the Pieniny Mts – notes on its occurrence and biology .....	29
No 4.	R. Henry L. Disney, Marina V. Michailovskaya. New species of <i>Pseudacteon</i> Coquillett ( <i>Diptera</i> : <i>Phoridae</i> ) from the Far East of Russia .....	35
No 5.	Regina Bańkowska. Syrphid flies ( <i>Diptera</i> , <i>Syrphidae</i> ) from Mongolia collected by Polish expeditions .....	47
No 6.	Regina Bańkowska. New species of <i>Paragus</i> LATR. from Middle Asia ( <i>Diptera</i> , <i>Syrphidae</i> ) .....	55
No 7.	Wojciech Staręga. Spinnen ( <i>Araneae</i> ) aus Roztocze und den anliegenden Gebieten .....	59
No 8.	Dariusz J. Gwiazdowicz, Rafał Szadkowski. Mites ( <i>Acari</i> , <i>Gamasida</i> ) of the Narew National Park .....	91

### No 9–13: 30.12.2000

No 9.	Joachim Adis, Sergei I. Golovatch. Notes on the unique structure of the spiracles and legs in <i>Pandirodesmus disparipes</i> SILVESTRI, 1932 ( <i>Diplopoda</i> , <i>Polydesmida</i> , <i>Chelodesmidae</i> ), with some possible implications concerning its mode of life .....	97
No 10.	Elena V. Mikhajlova, Sergei I. Golovatch, Jolanta Wytwer. On some new or poorly-known millipedes ( <i>Diplopoda</i> ) from North Korea .....	109
No 11.	Wiesława Czechowska. <i>Sialis morio</i> KLINGSTEDT, 1932 ( <i>Megaloptera</i> , <i>Sialidae</i> ), an alderfly species new to Poland .....	123
No 12.	Wojciech Czechowski, Alexander Radchenko. <i>Formica glauca</i> RUZSKY, 1895 ( <i>Hymenoptera</i> , <i>Formicidae</i> ) in Poland .....	127
No 13.	Wojciech Czechowski, Wiesława Czechowska. <i>Formica cinerea fuscocinerea</i> FOR. in the Pieniny Mts; its untypical habitat and plesiobiosis with <i>Lasius flavus</i> (F.) ( <i>Hymenoptera</i> , <i>Formicidae</i> ) .....	131
No 14.	Józef Banaszak. A checklist of the bee species ( <i>Hymenoptera</i> , <i>Apoidea</i> ) of Poland, with remarks on their taxonomy and zoogeography: revised version .....	135
No 15.	Regina Bańkowska. Syrphid and conopid flies ( <i>Diptera</i> ) from Vietnam collected by Polish expeditions .....	195
No 16.	Regina Bańkowska. Notes on syrphid flies ( <i>Diptera</i> , <i>Syrphidae</i> ) of Japan .....	203
No 17.	R. Henry L. Disney and Marina V. Michailovskaya. A new genus of scuttle fly ( <i>Diptera</i> : <i>Phoridae</i> ) from Russia .....	209

<b>Adis J., Golovatch S. I.</b> Notes on the unique structure of the spiracles and legs in <i>Pandirodesmus disparipes</i> SILVESTRI, 1932 ( <i>Diplopoda, Polydesmida, Chelodesmidae</i> ), with some possible implications concerning its mode of life .....	97
<b>Banaszak J.</b> A checklist of the bee species ( <i>Hymenoptera, Apoidea</i> ) of Poland, with remarks on their taxonomy and zoogeography: revised version .....	135
<b>Bañkowska R.</b> New species of <i>Paragus</i> LATR. from Middle Asia ( <i>Diptera, Syrphidae</i> ) .....	55
<b>Bañkowska R.</b> Notes on syrphid flies ( <i>Diptera, Syrphidae</i> ) of Japan .....	203
<b>Bañkowska R.</b> Syrphid and conopid flies ( <i>Diptera</i> ) from Vietnam collected by Polish expeditions .....	195
<b>Bañkowska R.</b> Syrphid flies ( <i>Diptera, Syrphidae</i> ) from Mongolia collected by Polish expeditions .....	47
<b>Czechowska W.</b> <i>Sialis morio</i> KLINGSTEDT, 1932 ( <i>Megaloptera, Sialidae</i> ), an alderfly species new to Poland .....	123
<b>Czechowski W., Czechowska W.</b> <i>Epimyrma ravouxi</i> (ANDRÉ, 1896) ( <i>Hymenoptera, Formicidae</i> ) in the Pieniny Mts – notes on its occurrence and biology .....	29
<b>Czechowski W., Czechowska W.</b> <i>Formica cinerea fuscocinerea</i> FOR. in the Pieniny Mts; its untypical habitat and plesiobiosis with <i>Lasius flavus</i> (F.) ( <i>Hymenoptera, Formicidae</i> ) .....	131
<b>Czechowski W., Radchenko A.</b> <i>Formica glauca</i> RUZSKY, 1895 ( <i>Hymenoptera, Formicidae</i> ) in Poland .....	127
<b>Disney R. H. L. and Michailovskaya M. V.</b> A new genus of scuttle fly ( <i>Diptera: Phoridae</i> ) from Russia .....	209
<b>Disney R. H. L., Michailovskaya M. V.</b> New species of <i>Pseudacteon</i> Coquillett ( <i>Diptera: Phoridae</i> ) from the Far East of Russia .....	35
<b>Gwiazdowicz D. J., Szadkowski R.</b> Mites ( <i>Acari, Gamasida</i> ) of the Narew National Park .....	91
<b>Mikhaljova E. V., Golovatch S. I., Wytwer J.</b> On some new or poorly-known millipedes ( <i>Diplopoda</i> ) from North Korea.....	109
<b>Pilipiuk I.</b> Diversification of enchytraeid communities ( <i>Enchytraeidae, Oligochaeta</i> ) of the South Basin of the Biebrza National Park .....	15
<b>Staręga W.</b> Spinnen ( <i>Araneae</i> ) aus Roztocze und den anliegenden Gebieten .....	59
<b>Trojan P.</b> The meaning and measurement of species diversity .....	1