

**NEW DATA ON TERRESTRIAL BUGS (HEMIPTERA: HETEROPTERA)
OF THE STOBRAWA LANDSCAPE PARK (LOWER SILESIA)**

DOMINIK ŁĘGOWSKI

Jana Bytnara “Rudego” 15 B/7, 45-265 Opole, Poland; domiklego@o2.pl

ABSTRACT: New records for 76 species representing 10 families of Heteroptera collected in the Stobrawa Landscape Park (Lower Silesia) are presented. *Anthocoris limbatus* Fieber, *Orius agilis* (Flor), *Orius laticollis* (Reuter) and *Campylomma annulicornis* (Signoret) are new to the fauna of the Lower Silesia. *Campylomma annulicorne* (Signoret) (Miridae) is reported for the fourth time from the country.

KEY WORDS: Hemiptera, Heteroptera, Poland, Lower Silesia, Stobrawa Landscape Park, faunistics, new records.

Introduction

Stobrawa Landscape Park is located in the northern part of Opole region, in Lower Silesia. It is one of the largest landscape park in Poland. However the most interesting parts of this Park are located near rivers' valleys – mainly Odra, Nysa Kłodzka, Stobrawa, Budkowiczanka. There are dry-ground forests, marshy meadows, water-logged meadows and old river-beds.

Heteroptera fauna of Stobrawa Landscape Park has never been studied before. Some old and few data from the territory of Lower Silesia can be found in old papers (Asmann 1854; Scholz 1931). This is the reason why the area of Stobrawa Landscape Park is a very interesting place for field explorations.

The present studies were carried out near Nowe Kolnie, in Odra river valley. Specimens have been collected in plant communities of the: *Caricetum acutiformis* community, *Alopecuretum pratensis* community, *Salicetum pentandro-cinereae* association and *Arrhenatheretalia* order, during a season from June to September 2002. 76 species representing 10 families of Heteroptera have been collected.

The author expresses his sincere thanks to prof. dr hab. Jerzy Lis for his help with the preparation of this paper.

Faunistics**CIMICOMORPHA**

I. ANTHOCORIDAE

1. *Anthocoris limbatus* Fieber
2. *Orius agilis* (Flor)
3. *Orius laticollis* (Reuter)
4. *Orius majusculus* (Reuter)
5. *Orius minutus* (L.)
6. *Orius niger* (Wolff)

II. MICROPHYSIDAE

7. *Myrmedobia exilis* (Fallén)

III. MIRIDAE

8. *Adelphocoris lineolatus* (Goeze)
9. *Adelphocoris seticornis* (Fabricius)
10. *Adelphocoris ticinensis* (Meyer-Dür)
11. *Apolygus lucorum* (Meyer-Dür)
12. *Campylomma annulicorne* (Signoret)
13. *Capsodes gothicus* (L.)
14. *Capsus ater* (L.)
15. *Capsus wagneri* (Remane)
16. *Charagochilus gyllenhalii* (Fallén)
17. *Closterotomus fulvomaculatus* (De Geer)
18. *Criocoris crassicornis* (Hahn)
19. *Globiceps flavomaculatus* (Fabricius)
20. *Globiceps fulvicollis* Jakovlev
21. *Leptopterna dolabrata* (L.)
22. *Lopus decolor* (Fallén)
23. *Lygus gemellatus* (Herrich-Schaeffer)
24. *Lygus pratensis* (L.)
25. *Lygus punctatus* (Zetterstedt)
26. *Lygus rugulipennis* Poppius
27. *Megaloceroea recticornis* (Geoffroy)
28. *Megalocoleus molliculus* (Fallén)
29. *Megalocoleus tanaceti* (Fallén)
30. *Myrmecoris gracilis* (R. F. Sahlberg)
31. *Notostira elongata* (Geoffroy)
32. *Notostira erratica* (L.)
33. *Orthops basalis* (A. Costa)
34. *Orthotylus marginalis* Reuter
35. *Orthotylus nassatus* (Fabricius)
36. *Pilophorus clavatus* (L.)
37. *Pinalitus atomarius* (Meyer-Dür)
38. *Plagiognathus arbustorum* (Fabricius)

39. *Plagiognathus chrysanthemi* (Wolff)
40. *Polymerus brevicornis* (Reuter)
41. *Polymerus nigrita* (Fallén)
42. *Polymerus palustris* (Reuter)
43. *Polymerus unifasciatus* (Fabricius)
44. *Salicarus roseri* (Herrich-Schaffer)
45. *Stenodema calcarata* (Fallén)
46. *Stenodema leavigata* (L.)
47. *Stenodema virens* (L.)
48. *Stenotus binotatus* (Fabricius)
49. *Teratocoris paludum* J. Sahlberg
50. *Trigonotylus caelestialium* (Kirkaldy)

IV. NABIDAE

51. *Nabis ferus* (L.)
52. *Nabis flavomarginatus* (Scholtz)
53. *Nabis limbatus* (Dahlbom)
54. *Nabis pseudoferus* Remane

PENTATOMOMORPHA

V. COREIDAE

55. *Coreus marginatus* (L.)

VI. LYGAEIDAE s. l.

Lygaeidae

56. *Ortholomus punctipennis* (Herrich-Schaeffer)

Rhyparochromidae

57. *Pachybrachius fracticollis* (Schilling)
58. *Stygnocoris rusticus* (Fallén)
59. *Stygnocoris sabulosus* (Schilling)

VII. PENTATOMIDAE

60. *Aelia acuminata* (L.)
61. *Carpocoris purpureipennis* (De Geer)
62. *Dolycoris baccarum* (L.)
63. *Eurydema oleracea* (L.)
64. *Eysarcoris aeneus* (Scopoli)
65. *Graphosoma lineatum* (L.)
66. *Neottiglossa pusilla* (Gmelin)
67. *Piezodorus lituratus* (F.)

VIII. RHOPALIDAE

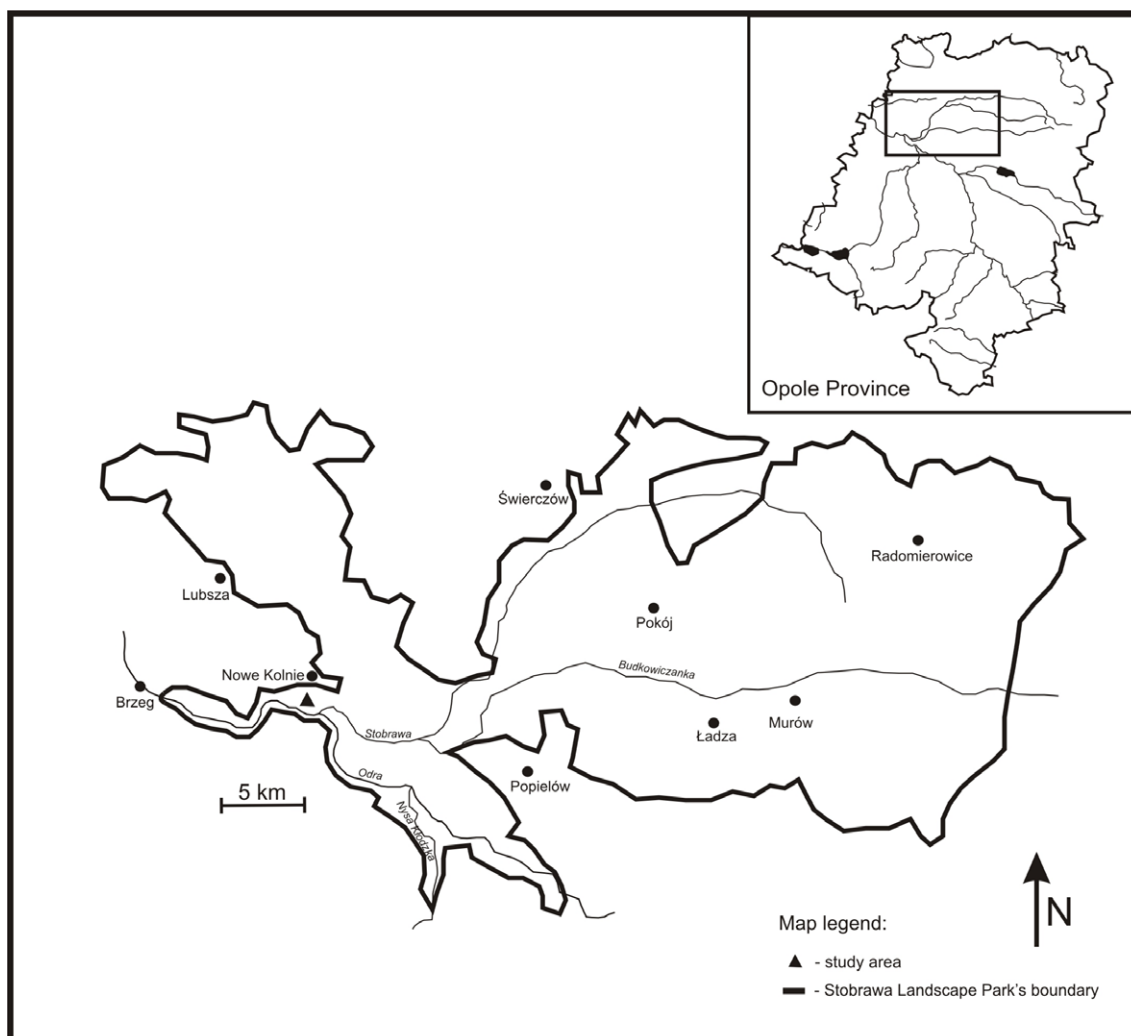
68. *Corizus hyoscyami* (L.)
 69. *Myrmus miriformis* (Fallén)
 70. *Rhopalus maculatus* (Fieber)
 71. *Rhopalus parumpunctatus* Schilling
 72. *Stictopleurus abutilon* (Rossi)
 73. *Stictopleurus punctatonervosus* (Goeze)

IX. SCUTELLERIDAE

74. *Eurygaster maura* (L.)
 75. *Eurygaster testudinaria* (Geoffroy)

X. PIESMATIDAE

76. *Piesma maculatum* (Laporte)



The most interesting species are, as follows:

Anthocoris limbatus Fieber – the first record in Lower Silesia; four specimens were collected in *Salicetum pentandro-cinereae* association.

Orius agilis (Flor) – known only from Pomerania Lakeland (Kosicki 1958), Białowieża Forest (Trojan et al. 1994), Lublin Upland (Cmoluchowa 1964) and Roztocze (Cmoluchowa and Lechowski 1994); two specimens were collected (the first in *Salicetum pentandro-cinereae* association, the second in an association representing *Arrhenatheretalia* order).

Orius laticollis (Reuter) – known only from Mazovian Lowland (Hałka-Wojciechowicz 1996), Kraków-Wieluń Upland (Smreczyński 1954) and West Beskid Mountains (Smreczyński 1954); a single specimen was found in *Salicetum pentandro-cinereae* association.

Campylomma annulicorne (Signoret) – known only from West Pomerania (two locations) and Sandomierska Lowland (Gorczyca 1991, 2004); a single specimen was found in *Salicetum pentandro-cinereae* association.

Bibliography

- Assman A. 1854. Hemiptera. Verzeichnis der hiser in Schlesien aufgefundenen wanzenartigen Insekten. Zeit. Ent. 8: 1-106.
- Cmoluchowa A. 1964. Pluskwiaki różnoskrzydłe (*Hemiptera-Heteroptera*) roślinnych zespołów kserotermicznych okolic Kazimierza nad Wisłą. Ann. UMCS, C 19: 49-94.
- Cmoluchowa A., Lechowski L. 1994. Łądowe pluskwiaki różnoskrzydłe (*Heteroptera*) Roztocza. Fragm. Faun. 37(7): 181-199.
- Gorczyca J. 1991. Phylinae (*Heteroptera, Miridae*) of Poland. Ann. Uper Siles. Mus., Ent. 2: 17-81.
- Gorczyca J. 2004. Klucze do oznaczania owadów Polski, część XVIII, Pluskwiaki różnoskrzydłe (*Heteroptera*). Zeszyt 6b. Tasznikowate-Miridae. Polskie Towarzystwo Entomologiczne, Toruń, 84 ss.
- Hałka-Wojciechowicz E. 1996. Zgrupowania pluskwiaków różnoskrzydłych *Heteroptera* zasiedlających trawniki miejskie wybranych osiedli mieszkaniowych Warszawy. Fragm. Faun. 39(10): 127-148.
- Kosicki S. 1958. Łądowe pluskwiaki różnoskrzydłe (*Hemiptera, Heteroptera*) rezerwatu cisowego Wierzchlas i terenów przyległych. Zesz. Nauk. UMK, Biologia 2: 117-144.
- Scholz M.F.R. 1931. Verzeichnis der Wanzen Schlesiens. Ent. Anz. Wien 11: 79-82, 99-102, 117-120, 140-143, 153-156, 181-184, 373-376.
- Smreczyński S. 1954. Materiały do fauny pluskwiaków (*Hemiptera*) Polski. Fragm. Faun. 7, 1: 1-146.
- Trojan P., Bańkowska R., Chudzicka E., Pilipiuk I., Skibińska E., Sterzyńska M., Wytwer J. 1994. Secondary succession of fauna in the pine forests of Puszcza Białowieska. Fragm. Faun. 37(1): 1-104.

Received: October 2009

Accepted: November 2009