



Beetles (Coleoptera) of the Rogów region. Part VIII – jewel beetles (Buprestidae)

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ABSTRACT

In the eighth part of the series entitled “Beetles (Coleoptera) of the Rogów region” the next one family, jewel beetles (Buprestidae) is presented, as the better-known family of beetles occurring in the Rogów area. The faunistic data of the listed species is supplemented by bionomical information. 33 species of jewel beetles were recorded in the study area.

Keywords: Insecta; Coleoptera; Buprestidae; Rogów region; faunistic data; bionomy

1. INTRODUCTION

Until now, 25 species of jewel beetles has been reported from the Rogów region (Wiackowski 1957, Dominik 1958, Kinelski & Szujecki 1959, Dominik 1966, Burakowski & *al.* 1985, Nunberg 1986, Dominik 1993, Borowski 2000, Borowski & *al.* 2000 and Byk & *al.* 2013).

The following is a list of the species of jewel beetles that occur in the Rogów region. Almost all species have been collected and identified by the author, and a small part of specimens comes from the collection of J. Sawoniewicz and S. Kinelski. Specimens of evidence are in the collection of Department of Forest Protection and Ecology in Rogów and Warsaw. Names are taken from the “Catalogue of Palearctic Coleoptera” (Löbl & Smetana (ed.) 2006).

2. RESULTS – REVIEW OF THE SPECIES

2. 1. *Chalcophora mariana* (Linnaeus, 1758)

- Głuchów, UTM: DC33, 15.VII.1998, 2 exx., on pine stump, leg. J. Borowski; 06.VI.2014, 1 ex., in flight, leg. J. Borowski;
- Popień, UTM DC:23, 31.V.2003, 1 ex., on Scots pine, leg. J. Borowski;
- Gutkowice, UTM: DC33, 20.VII.2009, 1 ex., in flight, leg. J. Borowski.

For the first time in the Rogów region shown by Wiąckowski (1957). A quite common species in the Rogów region. The adults were collected and observed from May to July, on dead or cut stumps and trunks of pines.

2. 2. *Dicerca berolinensis* (Herbst, 1779)

A very rare species in the Rogów region. For the first time reported by Burakowski & al. (1985). Since this data, no one specimen and gallery has been observed or collected.

2. 3. *Anthaxia (Melanthaxia) godeti* (Gory & Laporte, 1839)

- Popień, UTM DC:23, 07.VI.1995, 1 ex., on yellow flowers, leg. J. Borowski;
- Rogów, „Doliska” range, UTM: DC24, 05.V.2009, 2 exx., on flowers of *Taraxacum officinale* F.H. Wigg., leg. J. Borowski;
- Gutkowice, UTM: DC33, 10.V.2009, 3 exx., on flowers of *Taraxacum officinale* F.H. Wigg., leg. J. Borowski.

For the first time in the Rogów region shown by Burakowski & al. (1985). A very common species in the Rogów region. The adults occur on yellow flowers, in spring time. Larvae live under bark and in wood of various species of conifers, but they prefer for develop pines.

2. 4. *Anthaxia (Melanthaxia) helvetica helvetica* (Stierlin, 1868)

- Rogów, dendrological garden, UTM: DC24, V.1998, 1 ex., Moericke’ trap, larch forest, leg. J. Sawoniewicz; 15.V.2002, 1 ex., on flowers of *Taraxacum officinale* F.H. Wigg., leg. J. Borowski;
- Rogów, „Zimna Woda and Wilczy Dół” range, UTM: DC24, 20.V.1998, 1 ex., Moericke’ trap, larch forest, leg. J. Sawoniewicz;
- Głuchów, UTM: DC33, 01.V.2004, 5 exx., on flowers of *Taraxacum officinale* F.H. Wigg., leg. J. Borowski; 08.IV.2014, 2 exx., Malaise’ trap, spruce forest, leg. J. Borowski.

A quite common species in the Rogów region. Adults were collected in the early spring time, usually on yellow flowers. Larvae live under bark and in wood of various conifer species.

2. 5. *Anthaxia (Melanthaxia) morio* (Fabricius, 1792)

- Rogów, dendrological garden, UTM: DC24, 26.VI.1996, 2 exx., 02.VI.1997, 1 ex., 03.VI.1997, 1 ex., 25.VI.1997, 3 exx., on flowers of *Ranunculus* sp., leg. J. Borowski; 02.VII.1997, 1 ex., on flowers of *Hieracium* sp., leg. J. Borowski.

For the first time in the Rogów region shown by Kinelski & Szujecki (1959) and next by Dominik (1966). A common species in the Rogów region. The adults were collected in the late spring and the early summer on yellow flowers. Larvae live under bark and in wood of various conifer species, but they prefer pines for develop.

2. 6. *Anthaxia (Melanthaxia) quadripunctata quadripunctata* (Linnaeus, 1758)

- Popień, UTM DC:23, 07.VI.1995, 1 ex., on trunk of dead Norway spruce, leg. J. Borowski;
- Rogów, dendrological garden, UTM: DC24, 03.VII.1995, 1 ex., on Norway spruce, leg. J. Borowski; 25.VI.1997, 4 exx., on flowers of *Ranunculus* sp., leg. J. Borowski; 02.VII.1997, 2 exx., on flowers of *Hieracium* sp., leg. J. Borowski.

For the first time in the Rogów region shown by Dominik (1966). A very common species in the Rogów area. The adults were collected in the late spring and the early summer on yellow flowers, usually together with *A. morio*. Larvae live under bark and in wood of various conifer species, but they prefer spruces for develop.

2. 7. *Anthaxia (Anthaxia) chevrieri* (Gory & Laporte, 1839)

- Gutkowice, UTM: DC33, 10.V.2009, 17 exx., on flowers of *Taraxacum officinale* F.H. Wigg., leg. J. Borowski.

A very rare species in the Rogów region. The species occurs in an old gravel pit in Gutkowice village. The adults were collected in the early spring time together with *A. godeti*. Larvae live under bark and in wood of dying and dead shoots of *Cytisus scoparius* (L.). Pupation in the autumn time. Imagines wintering in wood.

2. 8. *Buprestis (Buprestis) octoguttata octoguttata* (Linnaeus, 1758)

A very rare species in the Rogów region. Only 1 specimen of this species was caught during more than 20 years of researches in this area and using of various traps. The data on this species in the Rogów region shown by Byk & al. (2013). One specimen was caught in the Gutkowice pine forest. The specimen was trapped on a dead Scots pine.

2. 9. *Buprestis (Ancylocheira) novemmaculata novemmaculata* (Linnaeus, 1767)

A very rare species in the Rogów region. For the first time reported by Burakowski & al. (1985). Since this data, no one specimen and gallery has been observed or collected.

2. 10. *Chrysobothris (Chrysobothris) igniventris* (Reitter, 1895)

- Rogów, „Zimna Woda and Wilczy Dół” range, UTM: DC24, 20.VI.1992, 1 ex., in wood of Scots pine branch, leg. J. Borowski;
- Rogów, „Doliska” range, UTM: DC24, 21.I.1997, 2 exx., 18.VIII.1997, 2 exx., and 05.IV.1998, 2 exx., in wood of *Tsuga heterophylla* Sarg., leg. et cult. J. Borowski.

For the first time in the Rogów region shown by Byk & al. (2013). A common species in the Rogów region. A polyphagous species. The species was reared with various species of

Pinus L., *Picea* A. Dietr., *Larix* Mill., and *Tsuga* Carr. genera. Larvae live under thin bark and in wood of branches and young trunks.

2. 11. *Phaenops cyaneus* (Fabricius, 1775)

- Rogów, dendrological garden, UTM: DC24, 03.VII.1995, 1 ex., on *Pinus sibirica* Du Tour, leg. J. Borowski;
- Rogów, „Zimna Woda and Wilczy Dół” range, UTM: DC24, 20.VII.1998, 6 exx., on lying Scots pine, leg. J. Borowski.

For the first time in the Rogów region shown by Dominik (1958) and later by Dominik (1966, 1993) and Byk & al. (2013). A very common species in the Rogów region. Adults were collected and observed in the summer time. Larvae live under bark of various pine species. Pupation inside the bark.

2. 12. *Phaenops formaneki formaneki* (Jakobson, 1913)

- Gutkowice, UTM: DC33, 08.VII.2003, 2 exx., in wood of *Pinus banksiana* L., leg. J. Borowski; 1-31.VII.2010, 1 ex., window trap in the pine forest, leg. J. Borowski.

A rare species in the Rogów region. Adults were collected and observed in the summer time. Larvae live under bark and in wood of various pine species. Pupation inside the wood.

2. 13. *Agrilus (Agrilus) cuprescens cuprescens* (Ménétriés, 1832)

- Gutkowice, UTM: DC33, 27-28.VI.1997, 6 exx., on leaves of *Rubus* sp., leg. J. Borowski;
- Rogów, dendrological garden, UTM: DC24, 28.VI.1997, 2 exx., on leaves of *Rubus* sp., leg. J. Borowski;
- Rogów, „Zimna Woda and Wilczy Dół” range, UTM: DC24, 16.V.2002, 1 ex., on leaves of *Rubus* sp., leg. J. Borowski.

For the first time in the Rogów region shown by Burakowski & al. (1985). A common species in the Rogów region. Adults were collected and observed from spring to summer, at sunny and warm localities, on leaves of various species of *Rubus* L.

2. 14. *Agrilus (Agrilus) integerrimus* (Ratzeburg, 1837)

A very rare species in the Rogów region. For the first time reported by Burakowski & al. (1985). Since this data, no one specimen and gallery has been observed or collected.

2. 15. *Agrilus (Agrilus) ribesi* (Schaefer, 1946)

- Rogów, UTM: DC24, 05.VII.1996, 1 ex., 27.VI.2001, 1 ex., 07.VII.2004, 2 exx., on a leaf of black currant, leg. J. Borowski;
- Głuchów, UTM: DC33, 20.VII.1998, 3 exx., on a leaf of black currant, leg. J. Borowski;
- Rogów, „Doliska” range, UTM: DC24, 08.VI.2010, 1 ex., and 30.VII.2011, 1 ex., on a leaf of black currant, leg. J. Borowski.

A common species in the Rogów region. The adults were collected and observed from the beginning of June to the end of July. Imagines eat the young leaves of black currant. Larvae live under bark and in wood of black currant shoots.

2. 16. *Agrilus (Agrilus) suvorovi* (Obenberger, 1935)

- Rogów, UTM: DC24, 08.VII.1995, 1 ex., in flight, leg. J. Borowski;
- Rogów, „Doliska” range, UTM: DC24, 25.V.1997, 3 exx., in wood of *Populus tremula* L., leg. J. Borowski;
- Gutkowice, UTM: DC33, 24.XII.2000, 1 ex., in wood of *Populus tremula* L., leg. et cult. J. Borowski.

A very common species in the Rogów area. Adults were collected and observed from the late spring to summer, on leaves and trunks of poplars, especially aspens. The characteristic galleries (Figs 1-4) are more often observed than imagines. Larvae live under bark and in wood of dying branches and trunks of poplars.

2. 17. *Agrilus (Agrilus) viridis viridis* (Linnaeus, 1758)

- Rogów, dendrological garden, UTM: DC24, 08.VII.1995, 2 exx., in flight, leg. J. Borowski; 25.VI.1997, 1 ex., 28.VI.1997, 4 exx., and 26.VI.1998, 1 ex., on a leaf of *Salix caprea* L., leg. J. Borowski;
- Gutkowice, UTM: DC33, 27.VII.1997, 1 ex., on a leaf of *Salix caprea* L., leg. J. Borowski; 27.VI.1998, 1 ex., on leaves, leg. J. Borowski;
- Rogów, „Górki” range, UTM: DC24, 15.VI.2003, 1 ex., on *Salix* sp., leg. J. Borowski.

For the first time in the Rogów region shown by Dominik (1966). A very common species in the Rogów region. Adults were collected and observed on leaves of willows in the summer time. Larvae live under bark and in wood of dying and dead willow branches or young trunks.

2. 18. *Agrilus (Anambus) biguttatus* (Thomson, 1864)

- Rogów, dendrological garden, UTM: DC24, 03.VII.1995, 2 exx., in flight, leg. J. Borowski; 02.VII.1997, 1 ex., on the oak fuel timber, leg. J. Borowski; 03.VI.1998, 1 ex., on herbs, leg. J. Borowski;
- Rogów, „Górki” range, UTM: DC24, 27.VI.1998, 1 ex., on *Quercus* sp., leg. J. Borowski.

For the first time in the Rogów region shown by Dominik (1966). A very common species in the Rogów region. Adults were collected and observed in the late spring and in the summer time, on stumps and trunks of cut oaks. Larvae live under thick bark of dying oaks. The species has a low sunny preferences and sometimes occurs in shady places.

2. 19. *Agrilus (Convexagrilus) convexicollis* (Redtenbacher, 1849)

- Rogów, UTM: DC24, 06.VII.1995, 6 exx., 29.VI.1997, 1 ex., and 11.VII.1997, 1 ex., on leaves of *Fraxinus americana* L., leg. J. Borowski.

For the first time in the Rogów region shown by Borowski (2000). A quite common species in the Rogów region. Adults were collected and observed in the early summer, on

leaves of various ash species. Larvae live under thin bark and in wood of dying and dead ash shoots.

2. 20. *Agrilus (Dentagrilus) cyanescens cyanescens* (Ratzeburg, 1837)

- Rogów, dendrological garden, UTM: DC24, 06.VI.1997, 4 exx., 09.VI.1997, 4 exx., 28.VI.1997, 1 ex., on leaves of *Lonicera* sp., leg. J. Borowski.

For the first time in the Rogów region shown by Burakowski & al. (1985) and next by Nunberg (1986). A quite common species in the Rogów region. Imagines were collected and observed from June to September on leaves of various species of *Lonicera* L. genus; they eat the edges of young leaves. Larvae live under bark and in wood of dying honeysuckle trunks.

2. 21. *Agrilus (Quercuagrilus) angustulus angustulus* (Illiger, 1803)

- Rogów, „Zimna Woda and Wilczy Dół” range, UTM: DC24, 06.VI.1997, 1 ex., on the oak fuel timber, leg. J. Borowski; 26.VI.1997, 4 exx., on oak leaves and under *Quercus* sp., leg. J. Borowski;

- Rogów, „Górki” range, UTM: DC24, 18.VI.1997, 1 ex., on herbs, leg. J. Borowski;

- Lipce, UTM: DC25, 10.VII.1999, 1 ex., on *Quercus* sp., leg. J. Borowski.

The commonest species of *Agrilus* Curtis genus in the Rogów region. For the first time in the Rogów region shown by Dominik (1966). Adults were collected and observed from the late spring to summer, on oak leaves, on herbs under oaks, on the oak timber and so on. Larvae live under thin bark and in wood of dying and cut oak branches.

2. 22. *Agrilus (Quercuagrilus) derasofasciatus* (Lacordaire, 1835)

- Rogów, UTM: DC24, 03.VII.2004, 9 exx., on grape leaves, leg. J. Borowski.

A very common species in the Rogów region. An invasive species. For the first time in the Rogów region, the species was discovered in 2004. Since this time *A. derasofasciatus* is observed every year at many localities. Adults were collected and observed in the summer time, on young grape leaves. Larvae live under bark and in wood of partly dead grape shoots.

2. 23. *Agrilus (Quercuagrilus) graminis graminis* (Kiesenwetter, 1857)

- Rogów, „Zimna Woda and Wilczy Dół” range, UTM: DC24, 31.V.2004, 1 ex., and 02.VI.2004, 1 ex., in wood of oak branches, leg. et cult. J. Borowski.

A very rare species in the Rogów region. The imagines live in the crowns of old oaks and are difficult to collecting. Larvae live under bark and in wood of dying oak branches, together with *A. sulcicollis* Lacord. and *A. angustulus* (Illig.).

2. 24. *Agrilus (Quercuagrilus) laticornis* (Illiger, 1803)

- Rogów, „Zimna Woda and Wilczy Dół” range, UTM: DC24, 27.VI.1996, 2 exx., on herbs, leg. J. Borowski;

- Rogów, „Górki” range, UTM: DC24, 29.VI.1996, 2 exx., on *Quercus* sp., leg. J. Borowski; 18.VI.1997, 1 ex., netting under oaks, leg. J. Borowski; 27.VI.1998, 2 exx., on oak leaves, leg. J. Borowski.

For the first time in the Rogów region shown by Nunberg (1986). A quite common species in the Rogów region. Adults were collected and observed from the late spring to summer, on oak leaves and on herbs under oaks. Larvae live under thin bark and in wood of dying, 1-year old, oak shoots. Sometimes, the pupation is inside the main bud.

2. 25. *Agrilus (Quercuagrilus) olivicolor* Kiesenwetter, 1857

- Rogów, UTM: DC24, 10.II.1966, 1 ex., in wood of hazel, leg. et cult. S. Kinelski;
- Rogów, dendrological garden, UTM: DC24, 21.VI.1996, 1 ex., 16.VIII.1996, 1 ex., and 25.VIII.1996, 1 ex., Moericke' trap, leg. J. Sawoniewicz;
- Rogów, „Zimna Woda and Wilczy Dół” range, UTM: DC24, 11.VIII.1996, 1 ex., and 06.IX.1996, 1 ex., Moericke' trap, leg. J. Sawoniewicz; 12.IV.2000, 2 exx., in wood of hornbeam branches, leg. et cult. J. Borowski; 17.VII.2000, 1 ex., netting on hornbeam, leg. J. Borowski.

For the first time in the Rogów region shown by Burakowski & al. (1985). A quite common species in the Rogów area. Adults were collected and observed in the summer time, on leaves and trunks of dying hornbeams and hazels. Larvae live under thin bark and in wood of dying and dead branches and young trunks of hornbeams and hazels.

2. 26. *Agrilus (Quercuagrilus) sulcicollis* (Lacordaire, 1835)

- Rogów, „Zimna Woda and Wilczy Dół” range, UTM: DC24, 26.V.1997, 2 exx., 09.VI.1997, 1 ex., 18.VI.1997, 2 exx., on oak fuel timber, leg. J. Borowski;
- Rogów, „Doliska” range, UTM: DC24, 05.V.2009, 1 ex., on herbs, leg. J. Borowski.

The occurrence of this species in the Rogów region was given by Burakowski & al. (1985) and later by Nunberg (1986) as *A. elongatus* (Herbst). One of the commonest species of *Agrilus* Curtis genus in the Rogów region. Adults were collected and observed from spring to summer, on oak leaves, on herbs under oaks, on the oak timber and so on. Larvae live under bark and in wood of dying and cut oak branches, usually together with *A. angustulus* (Illig.).

2. 27. *Agrilus (Robertius) auricollis auricollis* (Kiesenwetter, 1857)

- Parcela-Popień, UTM: DC23, 15.II.-10.III.2000, 11 exx., in wood of elm branches, leg. et cult. J. Borowski.

The first and new data on this species in the Rogów region shown by Borowski & al. (2000). A quite rare species in the Rogów region. Adults were collected and observed in the summer time, on elm leaves and trunks. Larvae live under thin bark and in wood of dying elm branches and young trunks.

2. 28. *Agrilus (Robertius) betuleti* (Ratzeburg, 1837)

- Rogów, „Górki” range, UTM: DC24, 20.VI.1995, 2 exx., xerothermic fields, Moericke' trap, leg. J. Sawoniewicz; 20.VII.1998, 2 exx., and 10.VII.1999, 1 ex., on *Betula* sp., leg. J. Borowski;
- Popień, UTM: DC23, 02.VII.1995, 1 ex., on birch-tree branches, leg. J. Borowski;

- Gutkowice, UTM: DC33, 09.XII.1997, 1 ex., and 15.I.1998, 1 ex., in wood of birch-tree branches, leg. et cult. J. Borowski.

For the first time in the Rogów region shown by Burakowski & al. (1985). A quite common species in the Rogów region. Adults were collected and observed in the summer time, usually on young and dying birch-trees. Larvae live under thin bark and in wood of dying birch-tree branches and young trunks.

2. 29. *Agrilus (Robertius) pratensis pratensis* (Ratzeburg, 1837)

- Rogów, „Górki” range, UTM: DC24, 02.VII.1995, 1 ex., and 15.VI.2003, 1 ex., xerothermic fields, on *Populus tremula* L., leg. J. Borowski;

- Rogów, „Doliska” range, UTM: DC24, 08.VII.1995, 1 ex., on young aspen, leg. J. Borowski;

- Gutkowice, UTM: DC33, 27.VI.1997, 1 ex., on *Populus* sp., leg. J. Borowski;

- Głuchów, UTM: DC33, 10.V.2003, 1 ex., on *Populus tremula* L., leg. J. Borowski.

For the first time in the Rogów region shown by Burakowski & al. (1985). A quite common species in the Rogów region. Adults were collected and observed from spring to summer, on leaves of young aspens. Larvae live under bark and in wood of dying aspen shoots.

2. 30. *Agrilus (Robertius) subauratus subauratus* (Gebler, 1833)

- Rogów, „Górki” range, UTM: DC24, 25.V.2000, 1 ex., on *Salix* sp., leg. J. Borowski;

- Głuchów, UTM: DC33, 09.V.2003, 1 ex., on *Populus tremula* L., leg. J. Borowski.

For the first time in the Rogów region shown by Burakowski & al. (1985). A rare species in the Rogów region. Only 2 specimens of this species were caught during more than 20 years of researches in this area and using of various traps. The adults were collected in the late spring. The characteristic galleries are more often observed than imagines. Larvae live in wood of live branches and thin trunks of poplars and willows.

2. 31. *Agrilus (Sinuatiagrilus) sinuatus sinuatus* (Olivier, 1790)

- Gutkowice, UTM: DC33, 14.VII.1999, 1 ex., 20.VII.1999, 3 exx., 08.VII.2004, 1 ex., and 18.V.2009, 1 ex., on *Sorbus aucuparia* L., leg., J. Borowski.

A quite common species in the Rogów region. The species lives on various trees from Rosaceae family e.g. from *Pyrus* L., *Sorbus* L., and *Crataegus* L. genera. The adults were collected and observed from the late spring to summer. It has been observed adults feeding on young leaves of mountain ash. The characteristic galleries are more often observed than imagines. Larvae live under bark and in wood of live trunks and thick branches.

2. 32. *Agrilus (Uragrilus) ater* (Linnaeus, 1767)

- Rogów, UTM: DC24, 03.VII.2012, 1 ex., on the trunk of old *Populus* sp., leg. J. Borowski.

In the Rogów region the species was discovered in 2012. One male of this species was caught on the side necrosis of old poplar, in the village center. In addition to the collected specimen on the poplar seen a lot of galleries of that species (Figs 5-6).

2. 33. *Trachys minuta minuta* (Linnaeus, 1758)

- Rogów, dendrological garden, UTM: DC24, 03.VII.1995, 1 ex., 28.V.1997, 2 exx., 28.VI.1997, 3 exx., on leaves of *Salix caprea* L., leg. J. Borowski;

- Rogów, „Górki” range, UTM: DC24, 18.VI.1997, 2 exx., on leaves of *Salix caprea* L., leg. J. Borowski.

The first and new data on this species in the Rogów region shown by Burakowski & al. (1985) and later by Nunberg (1986). A very common species in the Rogów region. Adults were collected and observed from spring to summer on young leaves. A polyphagous species. Larvae mining leaves of various species of trees and shrubs e.g. *Salix caprea* L., *Ulmus laevis* Pall., *Corylus avellana* L., *Betula pendula* Roth, *Crataegus laevigata* (Poir.), *Sorbus aucuparia* L., *Rubus idaeus* L. etc.

3. SPECIES INCORRECTLY NAMED

3. 1. *Agrilus convexifrons* (Kiesenwetter, 1857)

In the Rogów region shown by Nunberg (1986). Since that time, there is any further information considering this species. There are no specimens in the collections. That information should be treated as a semantic error, where the author was probably about the species like a calling, namely *A. convexicollis* Kiesw.

4. CONCLUSIONS

33 species of jewel beetles, representing approx. 36% of all species in the Polish fauna, were collected in the Rogów region. Most species collected in the 50s, 60s and 70s of the twentieth century is collecting today. However, the three species previously reported, *Dicerca berolinensis*, *Buprestis novemmaculata* and *Agrilus integerrimus*, despite the use of variety traps and collecting by many entomologists and students was not caught again. The occurrence of several more new species of jewel beetles can expect in the Rogów area e.g. *Lamprodila decipiens* (Gebler), *L. rutilans* (F.), *Dicerca alni* (Fisch.), *Poecilnota variolosa* (Payk.), *Chrysobothris affinis* (F.), *Agrilus obscuricollis* Kiesw. and *Agrilus mendax* Mann.

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Fig. 1



Fig. 2



Fig. 3



Fig. 4

Figs 1-4. Galleries of *Agrilus (Agrilus) suvorovi* Obenberger, 1935; Figs 1-2, larvae galleries on the wood surface of aspen trunk; Fig. 3, larvae galleries on the wood surface of the aspen branch; Fig. 4, the adult outlets on the bark surface of aspen branch.



Fig. 5

Fig. 5. The old poplars in the center of Rogów village with *Agrilus (Uragrilus) ater* (L.).



Fig. 6

Fig. 6. Larvae galleries of *Agrilus (Uragrilus) ater* (Linnaeus, 1767) on the poplar side necrosis.