

CHECK LIST OF *AUCHENORRHYNCHA* ON A SANDY GRASSLAND IN THE KISKUNSÁG NATIONAL PARK (HUNGARY)

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Abstract

183 species of 10 *Auchenorrhyncha* families were defined on a sandy grassland in the Kiskunság National Park between the years 1976—1986. This paper comprises the check list.

Key words: *Auchenorrhyncha*, check list, grassland

Complex ecological studies are being performed since 1976 at the Bugacpuszta region of the Kiskunság National Park (KNP) (Hungary) (MÓCZÁR et al. 1980). In the course of the past ten years, an almost complete check list could be compiled of the species occurring at the region. Contrary to the 94 species demonstrated hitherto (GYÖRFFY, 1982), a close to twofold increase in species number is manifested (183). Since the recently published first volume of a book dealing with the fauna of the KNP (MAHUNKA, 1986) does not contain the *Cicadinea* group, author finds it useful to make available his data collected up till now.

The collections are from the Bugacpuszta grass-cenoses of the KNP. The detailed description of the area can be found in earlier publications (KÖRMÖCZI et al. 1981; KÖRMÖCZI, 1983). The collections were mainly performed with traps: suction trap, Barber trap, ethylene-glycol platter- and window-traps. The first two have already been reviewed (GYÖRFFY, 1982). The platter-traps are 15 cm in diameter, the window-traps are 50x25 cm in size, placed in 3 heights (ground level, 50 cm and 100 cm). The considerable increase in species number was mainly owing to the window-traps, presumably by means of the species coming from surrounding areas during the course of migration.

A total of 183 species belonging to 10 families could be defined; *Cicadellidae*: 125 species, *Delphacidae*: 37 species, *Tettigometridae*: 8 species, *Cercopidae*: 7 species and 1—1 species from 6 further families.

The detailed check list is given in the followings:

Familia: *Cicadellidae*

Aconurella quadrum HERRICH-SCHÄFFER, 1838

Agallia laevis RIBAUT, 1935

Allygus atomarius FABRICIUS, 1794

Allygus commutatus FIEBER, 1872

- Allygus mixtus* FABRICIUS, 1794
Anaceratagallia ribauti OSSIANNILSON, 1938
Anoscopus albiger GERMAR, 1821
Anoscopus histrionicus FABRICIUS, 1794
Anoscopus serratulae FABRICIUS, 1775
Aphrodes bicinctus SCHRANK, 1776
Arboridia parvula BOHEMAN, 1845
Arocephalus languidus FLOR, 1861
Arthaldeus pascuellus FALLÉN, 1826
Arthaldeus striifrons KIRSCHBAUM, 1868
Artianus interstitialis GERMAR, 1821
Athysanus argentarius METCALF, 1955
Austroagallia sinuata MULSANT-REY, 1855
Balclutha punctata FABRICIUS, 1775
Balclutha rhenana WAGNER, 1939
Batracomorphus allionii TURTON, 1802
Batracomorphus irroratus LEWIS, 1834
Bobacella corvina HORVÁTH, 1903
Chlorita dumosa RIBAUT, 1933
Chlorita hungarica RIBAUT, 1933
Chlorita paoli OSSIANNILSON, 1939
Cicadella viridis LINNÉ, 1758
Cicadula frontalis HERRICH-SCHÄFFER, 1835
Cicadula placida HORVÁTH, 1897
Cicadula quadrinotata FABRICIUS, 1794
Deltocephalus pulicaris FALLÉN, 1806
Dikraneura similis EDWARDS, 1885
Dikraneura variata HARDY, 1850
Doratura exilis HORVÁTH, 1903
Doratura heterophyla HORVÁTH, 1903
Doratura homophyla FLOR, 1861
Doratura impudica HORVÁTH, 1897
Doratura stylata BOHEMAN, 1847
Dryodurgades dlabolai WAGNER,
Edwardsiana candidula KIRSCHBAUM, 1868
Edwardsiana rosae LINNÉ, 1758
Emelyanoviana mollicula BOHEMAN, 1845
Errastunus notatifrons KIRSCHBAUM, 1868
Erythroneura discolor HORVÁTH, 1897
Eupelix cuspidata FABRICIUS, 1775
Eupteryx aurata LINNÉ, 1758
Eupteryx calcarata OSSIANNILSON, 1936
Eupteryx collina FLOR, 1861
Eupteryx notata CURTIS, 1837
Eupteryx ornata LETHIERRY, 1874
Eupteryx stachydearum HARDY, 1850
Eupteryx thoulessi EDWARDS, 1926
Euscelidius schenckii KIRSCHBAUM, 1868
Euscelis incisus KIRSCHBAUM, 1858
Evacanthus acuminatus FABRICIUS, 1794
Goniagnathus brevis HERRICH-SCHÄFFER, 1835
Graphocraerus ventralis FALLÉN, 1806
Handianus ignoscus MELICHAR, 1896

- Hardyopsis insularis* LINDBERG, 1948
Hecalus glaucescens FIEBER, 1866
Hephathus freyi FIEBER, 1868
Hephathus nanus HERRICH-SCHÄFFER, 1836
Iassus lanio LINNÉ, 1758
Idiocerus albicans KIRSCHBAUM, 1868
Idiocerus decimusquartus SCHRANK, 1776
Idiocerus distinguendus KIRSCHBAUM, 1868
Idiocerus impressifrons KIRSCHBAUM, 1868
Idiocerus nobilis FIEBER.
Idiocerus populi LINNÉ, 1758
Idiocerus ustulatus MULSANT-REY, 1855
Jassargus obtusivalvis KIRSCHBAUM, 1868
Jassargus sursumflexus THEN, 1902
Kybos abstrusa LINNAVUORI, 1949
Limotettix striola FALLÉN, 1806
Limotettix transversus FALLÉN, 1826
Linnavuoriana sexmaculata HARDY, 1850
Macropsis cerea GERMAR, 1837
Macropsis impura BOHEMAN, 1847
Macropsis vestita RIBAUT, 1952
Macrosteles fieberi EDWARDS, 1889
Macrosteles laevis RIBAUT, 1927
Macrosteles quadripunctulatus KIRSCHBAUM, 1868
Macrosteles sexnotatus FALLÉN, 1806
Macrosteles sordidipennis STÅL, 1858
Macustus grisescens ZETTERSTEDT, 1828
Megophtalmus scanicus FALLÉN, 1806
Mendrausus pauxillus FIEBER, 1869
Metalimnus formosus BOHEMAN, 1845
Micantulina stigmatipennis MULSANT-REY, 1855
Mocuellus collinus BOHEMAN, 1850
Mocuellus metrius FLOR, 1861
Mocydia crocea HERRICH-SCHÄFFER, 1837
Mocydiopsis attenuata GERMAR, 1821
Mocydiopsis parvicauda RIBAUT, 1939
Neoliturus fenestratus HERRICH-SCHÄFFER, 1834
Neoliturus haematoceps MULSANT-REY, 1855
Paluda preysleri HERRICH-SCHÄFFER, 1838
Paluda vitripennis FLOR, 1861
Paralimnus phragmitis BOHEMAN, 1847
Paramesus obtusifrons STÅHL, 1853
Penthimia nigra GOEZE, 1778
Pinumius areatus STÅHL, 1858
Planaphrodes elongatus LETHIERRY, 1876
Platymetopius major KIRSCHBAUM, 1868
Platymetopius undatus DE GEER, 1773
Psammotettix alienus DAHLBOM, 1850
Psammotettix cephalotes HERRICH-SCHÄFFER, 1834
Psammotettix confinis DAHLBOM, 1850
Psammotettix hungaricus OROSZ, 1981
Psammotettix pallidinervis DAHLBOM, 1850
Psammotettix provincialis RIBAUT, 1925

- Psammotettix slovacus* DLABOLA, 1948
Recilia schmidtgeni WAGNER, 1939
Speudotettix subfuscus FALLÉN, 1806
Stictocoris picturatus C. SAHLBERG, 1842
Streptanus aemulans KIRSCHBAUM, 1868
Streptanus sordidus ZETTERSTEDT, 1828
Stroggylocephalus livens ZETTERSTEDT, 1840
Tetartostylus pellucidus WAGNER, 1951
Turrutus socialis FLOR, 1861
Ulopa lugens GERMAR, 1821
Ulopa trivialis GERMAR, 1821
Zygina nivea MULSANT-REY, 1855
Zygina tithide FERRARI, 1882
Zyginidia pullula BOHEMAN, 1845

Familia: Delphacidae

- Acanthodelphax spinosa* FIEBER, 1866
Anakelisia perspicillata BOHEMAN, 1845
Criomorphus borealis J. SAHLBERG, 1871
Delphacodes albifrons FIEBER, 1879
Delphacodes venosus GERMAR, 1830
Dicranotropis hamata BOHEMAN, 1847
Ditropsis flavipes SIGNORET, 1865
Euconomelus lepidus BOHEMAN, 1847
Eurybregma nigrolineata SCOTT, 1875
Eurysa clypeata HORVÁTH, 1897
Eurysa lineata PERRIS, 1857
Eurysula lurida FIEBER, 1866
Falcotoya minuscula HORVÁTH, 1897
Gravesteiniella boldi SCOTT, 1870
Hyledelphax elegantulus BOHEMAN, 1847
Jassidaeus lugubris SIGNORET, 1865
Javesella dubia KIRSCHBAUM, 1868
Javesella pellucida FABRICIUS, 1794
Kelisia brucki FIEBER, 1878
Kelisia guttula GERMAR, 1818
Kelisia irregularata HAUPT, 1935
Kelisia monoceros RIBAUT, 1934
Kelisia pallidula BOHEMAN, 1847
Kelisia perriéri RIBAUT, 1934
Kelisia ribauti WAGNER, 1938
Kelisia vittipennis J. SAHLBERG, 1868
Kosswigianella exiqua BOHEMAN, 1847
Megadelphax sordidulus STÅL, 1853
Metadelphax propinqua FIEBER, 1866
Muellerianella fairmairei PERRIS, 1857
Muirodelphax aubei PERRIS, 1857
Ribautodelphax albobstriata FIEBER, 1866
Ribautodelphax imitans RIBAUT, 1953
Stenocranus minutus FABRICIUS, 1787
Struebingianella palliceps HORVÁTH, 1897
Weidnerianella marginata FALLÉN, 1826
Xanthodelphax straminea STÅL, 1858

Familia: *Tettigometridae*

- Tettigometra atra* HAGENBACH, 1825
Tettigometra concolor FIEBER, 1865
Tettigometra depressa FIEBER, 1865
Tettigometra impressopunctata DUFOUR, 1846
Tettigometra macrocephala FIEBER, 1865
Tettigometra sordida FIEBER, 1865
Tettigometra sulphurea MULSANT-REY, 1855
Tettigometra virescens PANZER, 1799

Familia: *Cercopidae*

- Aphrophora alni* FALLÉN, 1805
Aphrophora salicina GOEZE, 1778
Lepyronia coleoptrata LINNÉ, 1758
Neophilaenus campestris FALLÉN, 1805
Neophilaenus lineatus LINNÉ, 1758
Neophilaenus minor KIRSCHBAUM, 1868
Philaenus spumarius LINNÉ, 1758

Familia: *Tropiduchidae*

- Trypetimorpha fenestrata* COSTA, 1862

Familia: *Issidae*

- Ommatidiotus dissimilis* FALLÉN, 1806

Familia: *Achilidae*

- Cixidia marginicollis* SPINOLA, 1839

Familia: *Membracidae*

- Stictocephala bisonia* KOPP et YONKE, 1977

Familia: *Cixiidae*

- Pentastiridius leporinus* LINNÉ, 1761

Familia: *Dictyopharidae*

- Chanithus panonicus* GERMAR, 1830

References

- GYÖRFFY, GY. (1982): *Auchenorrhyncha* of a sandy soil mosaic-grassland: quantitative relations, bionomic and ecological valence data. — *Fol. Ent. Hung.* 43, 43-54.
- KÖRMÖCZI, L., BODROGKÖZY, GY. and HORVÁTH, I. (1981): Investigation of biological production and bioclimate of sandy grasslands in Bugac (Great Hungarian Plain between Danube and Tisza) — *Acta Biol. Szeged.* 27, 55-69.
- KÖRMÖCZI, L. (1983): Correlation between the zonation of sandy grasslands and the physico-chemical condition of their soil in Bugac — *Acta Biol. Szeged.* 29, 117-127.
- MAHUNKA, S. (ed.) (1986): The fauna of the Kiskunság National Park. Vol. 1. — Akadémiai K., Budapest. 1-491.
- MÓCZÁR, L., GALLÉ, L., GYÖRFFY, GY. and H. HORNING, E. (1980): Complex ecological investigations in a sandy soil grassland: aims and general methodology — *Acta Biol. Szeged.* 26, 161-164.