

# Check List of Diptera (Insecta) of the Czech and Slovak Republics

Roháček,  
1997



Milan Chvála  
editor

KAROLINUM  
Charles University Press  
Prague 1997

# INTRODUCTION

Lists of insect faunas have a long tradition and are of outstanding importance as a basis for assessing the biodiversity of a particular geographic area. These lists of Diptera, or check lists as they are generally called, have a long history in Europe and provide a considerable stimulus for further dipterological and entomological studies. Even this year, just as a new revised edition of the Check List of Czech and Slovak flies is being made available, similar national lists are scheduled for publication in Switzerland, Germany and Great Britain.

Such lists are now essential tools for disseminating locally all the taxonomic and nomenclatural changes that appeared in the long-awaited Palaearctic Catalogue of Diptera, the thirteenth and final volume of which was published in 1994. Furthermore, since the first two volumes of the Catalogue were published as long ago as 1984 and the cut-off date for the inclusion described taxa for the whole series was 1982, some parts of the Catalogue are already out-of-date taxonomically and even nomenclaturally and are in urgent need of revision. Check Lists are therefore an important means of showing not only the national biodiversity but also the most recent corrections and additions in nomenclature, taxonomy and species composition.

Interest in a Check List of Diptera in the former Czechoslovakia dates from 1969, when the first meeting of Czech and Slovak dipterists, the so-called "Seminar of Czechoslovak dipterists", took place in Nitra, Slovakia. Since that time, regular dipterological seminars have been held every two years at different places, and the problem of the list of Diptera is one of the permanent tasks of these meetings. As early as 1971, a draft of the first working List was distributed to specialists for comment, but the final version ready for publication was not available until after the 8th seminar held in České Budějovice in 1984. The first Check List of Czechoslovak Diptera was published by the Prague National Museum in 1987 (see JEŽEK 1987). It included 6498 species in 104 families, and was compiled by 52 authors.

Since then, Czechoslovakia has split into two independent states, the Czech and Slovak Republics, but the arrangement of the present Check List has not been changed. It retains the format of the previous edition, including the division into the historical regions (from west to east): Bohemia (B), Moravia (M) and Slovakia (S). Species are always arranged alphabetically within genera or subgenera, whilst the genera may be listed in taxonomic order, showing the natural phylogenetic system, or in alphabetical order. There is, however, one substantial difference in the present Check List: authors were strongly urged to include only verified and authentic data; all unverified historical records or doubtful species have been excluded from this new, revised edition, and the rather common questionmarks of the 1987 edition have been completely omitted. The authors of the individual families were also asked to minimize the number of synonyms and to include only those that are really necessary for a correct understanding of the listed taxa. If names are given that are at variance with the Palaearctic Catalogue, the relevant taxonomic or nomenclatural changes will be found discussed in papers published by the authors of the families in question. This also applies to new or different faunistic data which are at variance with the original Check List of 1987. All the relevant literary records and other data published by Czech and Slovak authors are included in the bibliography of Czech and Slovak dipterological literature for the years 1986 to 1995 (see VAŇHARA & ROZKOŠNÝ 1997). All the papers published in 1996 and 1997, or papers submitted for publication, which contain data included in the present List, are included at the end in the References.

The present Check List of Diptera is a collaborative publication prepared by 43 authors, covering 7,640 species in 115 families. It must be obvious that the harmonisation of such a large number of manuscripts is a far from simple task. As a first step, several "supervisors" were asked to oversee larger units: L. JEDLIČKA and I. ORSZÁGH (Bratislava) were responsible for the Diptera Nematocera, M. CHVÁLA (Praha) for the Brachycera Orthorrhapha, J. HOLINKA (Pardubice) for the Cyclorrhapha Aschiza, J. ROHÁČEK (Opava) for the Schizophora Acalyptratae, and R. ROZKOŠNÝ (Brno) for the Schizophora Calyptratae. The classification of Diptera used in this List is based in general on that of the Palaearctic Catalogue, whilst the higher categories are mostly in accordance with the "New List of British and Irish Flies" organized by P. J. CHANDLER in Great Britain. If a different classification is accepted, it is based on specialist input in taxonomy and phylogeny by the individual authors, and further details may be found in the references.

The preparation of this new edition of the Check List of Czech and Slovak Diptera has been financially supported by Grant No. 206/96/0997 of the Grant Agency of the Czech Republic, by Grant No. 95/5195/069 of the Slovak Grant Agency, and by further additional grants supporting studies of individual families. The authors are also grateful to the authorities of the Charles University, Prague, for making possible the publication of this book, as well as to the two referees, Z. LAŠTŮVKA (Brno) and V. SKUHRAVÝ (Praha), for their careful reading of the manuscript and many useful suggestions. Very valuable editorial work has also been done by R. ROZKOŠNÝ (Brno). However, the fundamental and most meritorious work on the Check List has been carried out by J. VANHARA (Brno), whose editorial computer work on the many different manuscripts was crucial for printing this technically difficult publication.

Praha, 25th June 1997

M. CHVÁLA

<i>anderssoni</i> Roháček, 1984	M S	<b>ASTEIINAE</b>	
<i>collini</i> Andersson, 1976	B M S	<i>Asteia</i> Meigen, 1830	
<i>dissors</i> Collin, 1944	B M S	<i>amoena</i> Meigen, 1830	B M S
<i>gracilis</i> Fallén, 1823	B M S	<i>concinna</i> Meigen, 1830	B M S
<i>macra</i> Czerny, 1928	B M S	<i>elegantula</i> Zetterstedt, 1847	B M S
<i>neglecta</i> Collin, 1944	B M S		
<i>pallida</i> (Zetterstedt, 1838)	B M S		
<i>paraneglecta</i> Elberg, 1968	B M S	<b>BRAULIDAE</b>	
<i>pleuralis</i> Czerny, 1928	B M S	Jindřich Roháček	
<i>socculata</i> (Zetterstedt, 1847)	B		
= <i>ungulata</i> Loew, 1873			
<i>Paranthomyza</i> Czerny, 1902		<i>Braula</i> Nitzsch, 1818	
<i>nitida</i> (Meigen, 1838)	B M S	<i>coeca coeca</i> Nitzsch, 1818	B M S
<i>Stiphrosoma</i> Czerny, 1928			
= <i>Ptenotaenia</i> Enderlein, 1936			
<i>cingulatum</i> (Haliday, 1855)	B M S	<b>CARNIDAE</b>	
<i>laetum</i> (Meigen, 1830)	B M S	Jindřich Roháček	
<i>sabulosum</i> (Haliday, 1837)	B M S		
= <i>oldenbergi</i> Czerny, 1928			
<i>Typhamyza</i> Roháček, 1992		<i>Carnus</i> Nitzsch, 1818	
<i>bifasciata</i> (Wood, 1911)	M S	<i>hemapterus</i> Nitzsch, 1818	B M S
		<i>Hemeromyia</i> Coquillett, 1902	
		<i>anthracina</i> Collin, 1949	B
		<i>Meoneura</i> Rondani, 1856	
		<i>acuticerca</i> Gregor, 1973	M
		<i>alpina</i> Hennig, 1948	M S
		<i>atoma</i> Papp, 1981	B
		<i>carpathica</i> Papp, 1977	B M S
		<i>exigua</i> Collin, 1930	B S
		<i>flavifacies</i> Collin, 1930	B M S
		<i>freta</i> Collin, 1937	M S
		<i>hungarica</i> Papp, 1977	B M S
		<i>lacteipennis</i> (Fallén, 1923)	B M S
		<i>milleri</i> Gregor, 1973	M S
		<i>minutissima</i> (Zetterstedt, 1860)	M S
		<i>moravica</i> Gregor & Papp, 1981	M
		<i>neglecta</i> Collin, 1930	B M S
		<i>neottiophila</i> Collin, 1930	B M S
		<i>obscura</i> (Fallén, 1923)	M
		<i>prima</i> (Becker, 1903)	B M S
		<i>triangularis</i> Collin, 1930	B M
		<i>vagans</i> (Fallén, 1823)	B M S
<b>AULACIGASTRIDAE</b>			
Jan Máca			
<i>Aulacigaster</i> Macquart, 1835			
<i>leucopeza</i> (Meigen, 1830)	B M S		
<b>PERISCCELIDIDAE</b>			
Jan Máca & Jindřich Roháček			
<i>Periscelis</i> Loew, 1858			
sg. <i>Myodris</i> Liroy, 1864			
<i>annulata</i> (Fallén, 1813)	B M S		
sg. <i>Periscelis</i> s.str.			
<i>annulipes</i> Loew, 1858	B S		
<b>STENOMICRIDAE</b>			
Jindřich Roháček			
<i>Stenomicro</i> Coquillett, 1900			
<i>delicata</i> (Collin, 1944)	B M S	<b>TETHINIDAE</b>	
		Jindřich Roháček	
<b>ASTEIIDAE</b>			
Jindřich Roháček		<i>Pelomyia</i> Williston, 1893	
		<i>steyskali</i> Hardy & Delfinado, 1980	B M S
		= <i>coronata</i> auct. nec Loew, 1866	
<b>SIGALOESSINAE</b>		<i>Pelomyiella</i> Hendel, 1934	
<i>Leiomyza</i> Macquart, 1835		<i>hungarica</i> (Czerny, 1928)	S
<i>curvinervis</i> (Zetterstedt, 1838)	B M S	<i>mallochi</i> (Sturtevant, 1923)	M S
<i>dudai</i> Sabrosky, 1956	B M S	<i>Tethina</i> Haliday, 1838	
<i>laevigata</i> (Meigen, 1830)	B M S	sg. <i>Rhinoessa</i> Loew, 1862	
<i>scatophagina</i> (Fallén, 1823)	B M S	<i>simplex</i> (Collin, 1966)	B S