

DOC. ING. DR. JAROSLAV PELIKÁN, DRSC. IN SLOVAKIAN
THYSANOPTEROLOGY

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ABSTRACT. On the 22nd of April 2006 Doc. Ing. Dr. Jaroslav Pelikán, DrSc. celebrates his 80th birthday. For his fruitful professional career he has published many scientific papers on thrips including descriptions of new species and genera. Following is a small contribution representing a honour to him, his professional career and position in the Slovak thysanopterology.

KEY WORDS: Pelikán, thrips, Thysanoptera, Slovakia.

INTRODUCTION

Since the end of the World War II Doc. Jaroslav Pelikán has been a reputable scientist, entomologist, theriologist and ecologist. For his fruitful professional life at the Institute of Vertebrate Biology, SAS in Brno, the Czech Republic, he has published more than 100 scientific vertebratological papers, however his amazing contribution particularly appears on the level of thysanopterology (approximately a hundred of papers). Following the oldest modern thysanopterological school on thrips being established by Jindřich Uzel by his well known monograph on Thysanoptera in 1895, Jaroslav Pelikán has become the expert in former Czechoslovakia for more than 50 years. Together with many others such as Richard zur Strassen, Laurence Mound, Gert Schliephake, Gabor Jenser, Irena Zawirska he has undisputedly formed a part of the great thysanopterologist generation. Generally there are a few of approaches Jaroslav Pelikán may be seen and described through. Obviously from the

taxonomical point of view he has described more than 80 new taxa of thrips (*Pezothrips moravicus*, *Oxythrips tatricus*, etc.) and in national intentions he published several checklists, including his more complex contribution within the Fauna of Czechoslovakia (PELIKÁN, 1957 b). His complex ecological background, knowledge and experiences reflected in plenty of scientific works dealing with thrips. Jaroslav Pelikán introduced thrips from many points of view, for instance their zoogeography (PELIKÁN, 1983), vertical distribution (PELIKÁN, 1996) or as invasive pests in horticulture (PELIKÁN, 1991).

On the 22nd of April 1926 Jaroslav Pelikán was born in Ivančice, the Czech Republic. Since his childhood he has been keen on nature, particularly birds and insects (POVOLNÝ, 1997). Soon after moving to Brno his enthusiasm made him find and keep contacts with many professional zoologists, such as Prof. Kratochvíl and others. After graduation at the University of Agriculture in Brno, his professional career began at the Institute of Applied Entomology.

However for many decades he worked at the Institute of Vertebrate Zoology, Czechoslovak Academy of Sciences. This has obviously effected his scientific work as a famous mammaliologist, ecologist and on the other hand entomologist – thysanopterologist.

THE PELIKÁN'S ERA

In the more than a hundred year long period of thysanopterological research in Slovakia, the Pelikan's era is the most generous. Being inspired by his teacher and colleague Prof. Kratochvíl and indirectly by the well-known Uzel's monograph (UZEL, 1895) Jaroslav Pelikán opened his research activities at the end of the World War II (PELIKÁN, 1945, 1951 a). A lot of his papers were rather of faunistic character with several data on occurrence of thrips in Slovakia what actually later formed undisputable fundaments for his more complex checklist (PELIKÁN, 1952). Although referring to former Czechoslovakia the paper is valuable for its more detailed data on faunistics in Slovakia. All the relevant thysanopterological papers of Jaroslav Pelikán dealing with Slovakia are presented in the following list:

1. FEDOR, P.J., PELIKÁN, J., CYPRICH, D., KRUMPÁL, M., 2001. *Thrips (Thysanoptera) in the Nests of Birds and Mammals of the NPR Jurský Šúr*. Folia faunistica Slovaca 6, Bratislava, p. 69 - 73.
2. PELIKÁN, J., 1945: Další příspěvek k poznání našich třásněnek.. Entomol. Listy, 8: p. 71 – 72.
3. PELIKÁN, J., 1951 a: Další poznámky o našich třásněnkách. Entomol. Listy, 14: p. 158 – 161.
4. PELIKÁN, J., 1951 b: O třásněnce karafiátové. (Taeniothrips dianthi Priesner). Entomol. Listy, 14: p. 5 – 38.
5. PELIKÁN J., 1952: Přehled třásnokřídých z Československa. Entomol. Listy, 15: p. 185 – 195.
6. PELIKÁN, J., 1954: Nové nálezy třásnokřídých z ČSR. Zool. Entomol. Listy, 17: p. 202.
7. PELIKÁN, J., 1955: Oxythrips tatricus sp. n. neznámý druh třásněnky z kosodřeviny. Zool. Entomol. Listy, 18: p. 21 – 28.
8. PELIKÁN, J., 1957 a: Neue Thysanopterenarten aus der Tschechoslowakei – I. Fol. Zool., 6: p. 52 – 56.
9. PELIKÁN, J., 1957 b: Řád třásnokřídli – Thysanoptera. In: Kratochvíl J. (ed.), Klíč zvířeny ČSR. Vol 2. ČSAV, Praha, p. 9-34.
10. PELIKÁN, J., 1958: Neue Thysanopterenarten aus der Tschechoslowakei – II. Čas. Čs. Spol. Entomol., 55: p. 280 – 288.
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12. PELIKÁN, J., 1961: New species of Thysanoptera from Czechoslovakia – IV. Acta Soc. Entomol. Českoslov., 58: p. 60 – 70.
13. PELIKÁN, J., 1965: New species of Thysanoptera from Czechoslovakia – V. Acta Soc. Entomol. Českoslov., 62: p. 98 – 104.
14. PELIKÁN, J., 1977. *Thysanoptera*. In: Dlabola J. (ed.), Check list - Enumeratio insectorum bohemoslovakiae. Acta faun. entomol. Mus. nat. Pragae, 15 (Suppl. 4): 55 – 59.
15. PELIKÁN, J., 1983: Zur Faunistik der Thysanopteren Mitteleuropas. Verh. SIEEC X. Budapest, p. 295 – 297.
16. PELIKÁN, J., 1990. *Thysanoptera*. Faunistic records from Czechoslovakia. Acta Entomol. Bohemoslov., 87: p. 232 - 234.
17. PELIKÁN, J., 1992: Cryptaplothrips famelicus Priesner, 1926 a Limothrips angulicornis Jablonowski,

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1894. Faunistic records from Czechoslovakia. Acta Entomol. Bohemoslov. 89: p. 168.

18. PELIKÁN J., FEDOR P., KRUMPÁL M., CYPRICH D. 2002. *Thrips* (*Thysanoptera*) in nests of birds and mammals in Slovakia. Ekológia (Bratislava) 21 (3), 275 - 282.

The contribution of Jaroslav Pelikán has been emphasized by his general studies, such as the determination key (PELIKÁN, 1957 b) and later the revised checklist in Enumeratio Insectorum Bohemoslovakiae (PELIKÁN, 1977). Moreover his monograph on biology and ecology of *Taeniothrips dianthi* (PELIKÁN, 1951 b) indirectly hinted at

the area of Slovakia.

Later Jaroslav Pelikán published several more short faunistic notes (PELIKÁN, 1954, 1990, 1992) or more extend studies with a significant contribution to Slovakian thysanopterology (PELIKÁN, 1955, 1957 a, 1958, 1960, 1961, 1965). In the zone of *Pinus mugo* and *Pinus cembra* he described *Oxythrips tatricus* (PELIKÁN, 1955), on xerothermous formations of Zádiel, Slovenský Kras Mts. *O. priesneri* (PELIKÁN, 1957 a), both of them new for the science. Actually there are some more species new for the science and described in Slovakia by Pelikán (Table 1).

Table 1. The species described by Jaroslav Pelikán in Slovakia.

Species	Year of description	Locality	Paper
<i>Rhipidothrips elegans</i>	1961	Kováčov	PELIKÁN, 1961
<i>Ankothrips flavidus</i>	1958	Kamenín	PELIKÁN, 1958
<i>Oxythrips tatricus</i>	1955	Batizovské pleso, Gerlach, Velické pleso	PELIKÁN, 1954, 1955
<i>Oxythrips Priesneri</i>	1957	Zádiel	PELIKÁN, 1957 a
<i>Hoplothrips carpathicus</i>	1961	Vihorlat	PELIKÁN, 1961

Jaroslav Pelikán may be undisputedly considered as the greatest thysanopterologist in the area of Slovakia. The following survey presents the species of Thysanoptera recorded by him in Slovakia for the first time (? no details, ?? probable occurrence):

Aeolothripidae UZEL, 1895

Melanthripinae BAGNALL, 1913

Ankothrips flavidus PELIKÁN, 1958:PELIKÁN (1958)

Ankothrips niezabítoškii (SCHILLE, 1911): PELIKÁN (1958)

Melanthrips pallidior PRIESNER, 1919: PELIKÁN (1977)

Aeolothripinae UZEL, 1895

Rhipidothrips elegans PELIKÁN, 1961: PELIKÁN (1961)

Aeolothrips ericae BAGNALL, 1920: PELIKÁN (1952)

Aeolothrips melaleucus HALIDAY, 1852: PELIKÁN (1952)

Aeolothrips propinquus BAGNALL, 1924: PELIKÁN (1990)

Thripidae STEPHENS, 1829

Panchaetothripinae BAGNALL, 1912

Heliothrips haemorrhoidalis (BOUCHÉ, 1833): PELIKÁN (1977)

Hercinothrips femoralis (O. M. REUTER, 1891): PELIKÁN (1977)

Thripinae STEPHENS, 1829

Dendrothrips degeeri UZEL, 1895: PELIKÁN et al. (2002), FEDOR et al. (2001), FEDOR (2004 a)

Dendrothrips ornatus (JABLONOWSKI, 1894): PELIKÁN (1952)

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- Dendrothrips saltatrix* UZEL, 1895: PELIKÁN (1952)
Sericothrips bicornis (KARNY, 1910): PELIKÁN (1952)
Drepanothrips reuteri UZEL, 1895: PELIKÁN (1952)
Chirothrips pallidicornis PRIESNER, 1925: PELIKÁN (1951 a)
Limothrips angulicornis JABLONOWSKI, 1894: PELIKÁN (1992)
Aptinothrips elegans PRIESNER, 1924: PELIKÁN (1952)
Aptinothrips stylifer TRYBOM, 1894: PELIKÁN (1952)
Oxythrips bicolor (O. M. REUTER, 1836): PELIKÁN (1977)
Oxythrips dentatus KNECHTEL, 1923: PELIKÁN (1960, 1990)
Oxythrips priesneri PELIKÁN, 1957: PELIKÁN (1957 a)
Oxythrips tatricus PELIKÁN, 1955: PELIKÁN (1954, 1955)
Prosopothrips vej dovskiyi UZEL, 1895: PELIKÁN (1952)
Sphaeropothrips vittipennis BAGNALL, 1927: PELIKÁN (1954)
Frankliniella pallida (UZEL, 1895): PELIKÁN (1952)
Mycterothrips albidicornis (KNECHTEL, 1923): PELIKÁN et al. (2002), FEDOR et al. (2001)
Mycterothrips salicis (O. M. REUTER, 1878): PELIKÁN (1977)
Mycterothrips annulicornis (UZEL, 1895): PELIKÁN (1977)
Mycterothrips consociatus (TARGIONI - TOZZETTI, 1886): PELIKÁN (1977)
Mycterothrips latus BAGNALL 1912: PELIKÁN (1952)
Odontothrips confusus PRIESNER, 1926: PELIKÁN (1952)
Odontothrips intermedius (UZEL, 1895): PELIKÁN (1977)
Odontothrips meliloti PRIESNER, 1951: PELIKÁN (1977), PELIKÁN (1990)
Pezothrips dianthi PRIESNER, 1921: PELIKÁN (1951 b)
Platythrips tunicatus (HALIDAY, 1852): PELIKÁN (1977)
Rhaphidothrips longistylus UZEL, 1895: PELIKÁN (1977)
Ceratothrips ericae (HALIDAY, 1836): PELIKÁN (1977)
Taeniothrips inconsequens (UZEL, 1895): PELIKÁN (1977)
Taeniothrips nigriventris PELIKÁN, 1956: PELIKÁN (1977)
Thrips albopilosus UZEL, 1895: PELIKÁN et al. (2002), FEDOR et al. (2002), FEDOR (2003 a)
Thrips angusticeps UZEL, 1895: PELIKÁN (1952)
Thrips dilatatus UZEL, 1895: PELIKÁN (1952)
Thrips discolor HALIDAY, 1836: PELIKÁN (1977)
Thrips herricki BAGNALL, 1926: PELIKÁN (1958)
Thrips juniperinus LINNAEUS, 1758: PELIKÁN (1954)
Thrips nigropilosus UZEL, 1895: PELIKÁN (1952)
Thrips pillichi PRIESNER, 1924: PELIKÁN (1977)
Thrips trehernei PRIESNER, 1927: PELIKÁN (1952)
Thrips trybomi (KARNY, 1908): PELIKÁN (1951 a)
Thrips validus UZEL, 1895: PELIKÁN (1952)
Thrips (Parafrankliniella) verbasci (PRIESNER, 1920): PELIKÁN (1977)
Family: Phlaeothripidae UZEL, 1895
Subfamily: Idolothripinae BAGNALL, 1908
Bolothrips dentipes (O. M. REUTER, 1880): PELIKÁN (1977)
Bolothrips icarus (UZEL, 1895): PELIKÁN (1977)
Cryptaplothrips famelicus PRIESNER, 1926: PELIKÁN, 1992
Cryptaplothrips nigripes (O. M. REUTER, 1880): PELIKÁN (1977)
Subfamily: Phlaeothripinae UZEL, 1895
Haplothrips alpicola PRIESNER, 1950: ? PELIKÁN (1983)
Haplothrips distinguendus (UZEL, 1895): PELIKÁN (1952)

Haplothrips flavicinctus (KARNY, 1910): PELIKÁN (1952)
Haplothrips floricae KNECHTEL, 1960: PELIKÁN (1983, 1990)
?? Haplothrips knechteli PRIESNER, 1923: PELIKÁN (1983)
Haplothrips kurdjumovi KARNY, 1913: PELIKÁN (1952)
Haplothrips phyllophilus PRIESNER, 1938: PELIKÁN (1958)
Haplothrips subtilissimus (HALIDAY, 1852): PELIKÁN (1952)
Acanthothrips albovittatus SCHILLE, 1910: PELIKÁN (1965)
Acanthothrips nodicornis (O. M. REUTER, 1880): PELIKÁN (1977)
Hoplandrothrips bidens (BAGNALL, 1910): PELIKÁN (1977)
Phlaeothrips annulipes O. M. REUTER, 1880: PELIKÁN (1954)
Cephalothrips monilicornis (O. M. REUTER, 1880): PELIKÁN (1952)
Hoplothrips carpathicus PELIKÁN, 1961: PELIKÁN (1961)
Hoplothrips lichenis KNECHTEL, 1954: PELIKÁN (1983)
Hoplothrips quercinus KNECHTEL, 1935: PELIKÁN (1977, 1965, 1990).
Hoplothrips semicaecus (UZEL, 1895): PELIKÁN et al. (2002)
Liothrips hungaricus (PRIESNER, 1924): PELIKÁN (1977)
Liothrips pragensis UZEL, 1895: PELIKÁN (1952)
Megalothrips bonannii UZEL, 1895: PELIKÁN (1977)
Megathrips lativentris (HEEGER, 1852): PELIKÁN (1977)
Lispthrips crassipes (JABLONOWSKI, 1894): PELIKÁN (1954)

At the beginning of 80's Jaroslav Pelikán proved his great knowledge and experiences at the entomological conference in Budapest, where he presented general view on the thrips of Czechoslovakia and projected his prognoses in research on diversity of thrips for the next years (PELIKÁN, 1983).

Slovakian thysanopterology was also significantly influenced by Jaroslav Pelikán at the beginning of the 3rd millennium. He has summarized the several year long research on nidicolous thrips collected from 252 nests of birds and mammals in numerous localities of Slovakia (PELIKÁN et al., 2002). The material sampled by Miroslav Krumpál and Dušan Cyprich in the period of 1975 – 1989 has brought a lot of new information on ecological preferences and mobility of 38 species.

Obviously there were and are several more authors (e.g. ŠTEPANOVIČOVÁ, 1958, HEŠKOVÁ, 1967, DOBROVODSKÁ, 1973, FEDOR, 2004, etc.) dealing with thrips in various localities in Slovakia. However most of them, if not all of them, were revised and corrected by Jaroslav Pelikán and therefore should be included into his fruitful career as well.

From the spatial and faunistic point of view Jaroslav Pelikán published thysanopterological data from the following localities in Slovakia (geographically defined by the grid square according to the Databank of Fauna of Slovakia):

(The paper by PELIKÁN et al., 2002 is rather of ecological character and contains almost no faunistic data. However the authors included the data for the purposes of this paper).

Baka – 8071 - Pelikán et al., 2002

Banská Štiavnica – 7579 - Pelikán, 1958, Pelikán et al., 2002

Batizovské pleso – 6886 - Pelikán, 1954, 1955, 1983

Belianske Tatry – KOC 183 - Pelikán, 1952

Buková – 7470 - Pelikán et al., 2002

Červený Kameň – 7670 - Pelikán et al., 2002

Čičov – 8272 – Pelikán et al., 2002

Čierne – 6578 - Pelikán et al., 2002

Čierny kameň – 7080 - Pelikán, 1952

Devínska Kobyla in s.l. – 7867, 7868, 7767, 7768 – Pelikán, 1951 b, 1952

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- Dierová – 6881 - Pelikán et al., 2002
Domaníža – 6977 - Pelikán et al., 2002
Furkotská dolina – 6886 – Pelikán, 1952, 1954
Gabčíkovo – 8171 - Pelikán, 1954, 1965, Pelikán et al., 2002
Galanta – 7872 - Pelikán et al., 2002,
Gerlach – 6886 - Pelikán, 1954, 1955, 1983
Hrhov – 7390 - Pelikán, 1958
Hviezdoň – 6787 - Pelikán, 1952
Chľaba – 8178 – Pelikán, 1990
Jurský Šúr – 7769 – Pelikán, 1992, Fedor et al., 2001, Pelikán et al., 2002
Kamenica nad Hronom – 8178 - Pelikán, 1990
Kamenín – 8177 – Pelikán, 1958
Kľúčovec – 8272 - Pelikán et al., 2002
Kováčov – 8178 - Pelikán, 1961, Pelikán et al., 2002
Kováčová – 7480 - Pelikán et al., 2002
Kozol - (publikované ako Kozel) – 6978 – Pelikán, 1951 b, 1952
Kremnica – 7279 - Pelikán, 1965
Lovinobaňa – 7583 - Pelikán et al., 2002
Lubochnianska dolina – 6980 - Pelikán et al., 2002
Malá Fatra – KOC 140 - Pelikán, 1951 a, 1952
Mlyňany – 7776 - Pelikán et al., 2002
Nitra – Zobor – 7674 - Pelikán et al., 2002
Nové mesto nad Váhom – 7272 - Pelikán et al., 2002
Oščadnica – 6579 - Pelikán et al., 2002
Podunajské Biskupice (published as Biskupice) – 7869 - Pelikán, 1965, 1990
Pusté Uľany – 7771 - Pelikán et al., 2002
Rajecké Teplice – 6878 - Pelikán et al., 2002
Sklené Teplice – 7479 – Pelikán, 1965
Sládkovičovo – 7771 - Pelikán et al., 2002
Stankovany – 6881 - Pelikán et al., 2002
Svätý Kríž – 6982 - Pelikán et al., 2002
Svrčinovec – 6578 – Pelikán et al., 2002
Šajdíkové Humence – 7369 - Pelikán et al., 2002
Šamorín – 7969 - Pelikán et al., 2002
Štúrovo – 8178, 8278 – Pelikán, 1958, 1960, 1983, 1990
Trenčín – 7174, 7074 - Pelikán, 1952
Trnava – 7671 - Pelikán et al., 2002
Turecká – 7178 - Pelikán et al., 2002
Turie – 6878 - Pelikán, 1952
Vajnory – 7769 – Pelikán et al., 2002
Velické pleso – 6886 - Pelikán, 1954, 1955, 1983
Veľká Fatra – KOC 150 - Pelikán, 1952
Veľká studená dolina – 6887 - Pelikán, 1952, 1958
Veľké Kapušany – 7498 - Pelikán, 1954
Veľký Brehov – 7596 - Pelikán et al., 2002
Vihorlat – 7198 - Pelikán, 1961
Vojka nad Dunajom – 8070 – Pelikán et al., 2002
Vysoké Tatry – KOC 182 - Pelikán, 1951b, 1952, 1954, 1955
Vyšný Sihelník – 6578 - Pelikán et al., 2002
Zádiel – 7390 – Pelikán, 1957a
Zuberec – 6783 - Pelikán et al., 2002

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