

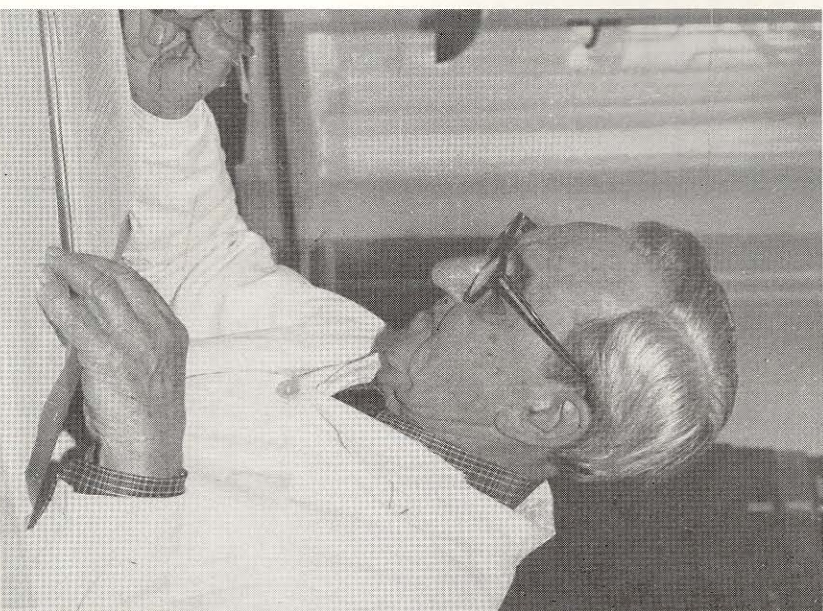
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## IN MEMORIAM DR. ÁRPÁD SOÓS (1912–1991)

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Dr. Árpád Soós  
(1912–1991)

ÁRPÁD SOÓS was born on the 20th of September 1912 in Budapest. His father, LAJOS SOÓS, was one of the greatest Hungarian zoologists in the first half of this century, so he had exceptionally good opportunity for an

excellent education in science. He graduated from a famous secondary school of Budapest, "Eötvös József Reáliskola" and entered the Budapest University (Pázmány Péter, later Eötvös Loránd University), Faculty of Science and Arts at Budapest in 1930. He graduated in 1935 and he also obtained a diplom of "doctor rerum naturalis" in that year (majoring in zoology and taking exams also in botany and mineralogy). In 1942 he was qualified as a lecturer in the theme of the systematics of invertebrates. He earned the "Margó Award" of the Hungarian Royal Society of Natural History in 1942. He was the representative of the lecturers in the senate of the faculty for years.

From 1935 to 1939 he served as an unpaid assistant in the Department of General Zoology of the Budapest University. In the meantime he accepted a similarly unpaid position in the Hungarian Natural History Museum in 1936 where he worked uninterruptedly until his death (i.e. for 55 years). In 1940 he was offered a position of a paid museum assistant, in 1942 was appointed as assistant curator. First he curated the Collection of Verres, later the Collection of Diptera and from 1950 to 1976 he was the curator of the Collection of Rhynchota in the Zoological Department. From 1950 to 1963 he served as the Deputy Director of the Zoological Department.

He visited the Limnological Institute of Tihany at Lake Balaton for several times conducting research on leeches, mosquitoes, etc. In 1942 he earned a Humboldt Scholarship for studies in Breslau (Wrocław) with Prof. F. PAX. He conducted research and collected insects during his numerous study trips in Belgium, Germany, Austria, Poland, Czechoslovakia, Yugoslavia, Roumania, Bulgaria and the Soviet Union.

His research interest covered histology, nematology, malacology, parasitology (leeches), dipterology and homopterozoology/hemipterology. His way of research was not the way of the polyhistor: his research interest changed a couple of times during his long and fruitful scientific career but he worked always with the standard and rigorously of the specialists.

The career was begun – after completing his thesis on Molluscs – with free living Nematodes. Beyond basic faunistic works he made the first modern ecological research in Hungarian zoology and had set up the standard for many of later zoocologists. When a young zoologist began the work on this group, he turned toward another neglected group of animals, the leeches.

He worked on Hirudinea for several decades, between 1939 and 1972. During this time he published 21 papers, most of them in English. His first research was a faunistic study of the Hirudinea of the county Bars, however, he has quite soon tackled the taxonomy, systematics and nomenclature of Euhirudinea (a subclass of Hirudinea) consisting of more than 700 species.

His collection – housed in the Zoological Department of the Hungarian Natural History Museum – is particularly important. Besides numerous series of species living in the Danube catchment area, it contains specimens of almost all taxa described up to about 1970, hence it is even today the most valuable leech collection in Europe.

Special emphasis should be given to his scientific work. He was the first who revised all genera and species of this old group of animals which are distributed in marine, freshwater and terrestrial habitats. He elaborated an identification key of all leech taxa known at that time and critically revised the generic and specific features. Based on his precise zoological investigations, he presented a complete overview of Euhirudinea, summarizing the large quantity of smaller and widely scattered papers. For the first time his publications contained a complete synonymy of each taxon and were helpful in clarifying the formerly confused nomenclature. Without his work the present-day level of hirudinology would not have been attained.

His work done on Homoptera and Heteroptera may seem not to be very voluminous, since altogether only 13 scientific papers were published on these two insect orders. This is by no means in harmony with the overall appreciation he earned among homopterists and heteropterists of Europe. The reason is, that most of his work on these groups was made in and on the collection of Géza HORVÁTH, the eminent hemipterist. When I. ТОРН, HORVÁTH's successor left Hungary after the Second World War, SOÓS took the responsibility of the collection and began to form a modern collection of it. The material was, according to the customs of many entomologists, in smaller-larger boxes, in an order none could easily understand. It took 4 years to arrange the collection which then could serve as a good basis for many entomologists in Hungary and abroad.

By this time his first papers on Homoptera were published: completions of the Fauna Regni Hungariae, the first faunistic survey of Hungary, published in 1897. Recognizing the fact that without good knowledge of the Palaearctic species one cannot be a good specialist he made revisionary works on Palaearctic scale. His research on Homoptera (as well as in other groups of animals) was accompanied by his assistance to the work of some Hungarian zoologists. In a late paper in 1976 he could describe a new genus from Spain and name the species in honour of the founder of the collection: G. HORVÁTH.

As with Homoptera, in Heteroptera he also began with a completion of Fauna Regni Hungariae. The first group he studied in more details was the aquatic bugs, and after publishing a synopsis of Palaearctic Callinorida species he completed the first Heteroptera part in the series Fauna Hungariae. His 1973 paper shows that he prepared another part: Lygaeidae. In the fifties and sixties repeated explorations were made at Lake Balaton

and Lake Velencei. Recognizing the call of times he summarized these results in a lecture on the effect of human impact on the aquatic bug fauna in Leningrad, in 1977. From this time on his interest turned back from Homoptera and Heteroptera to his most beloved group: Diptera.

It is probably the science of dipterology where ÁRPÁD SOÓS achieved the most in results and in recognition. He was a specialist of several acalyptate families, like Sepsidae, Piophilidae, Clusiidae, etc. (see also below). He built up excellent collections describing numerous new taxa.

His main work and greatest endeavour was the Catalogue of Palaearctic Diptera (C.P.D.). The C.P.D. was initiated by him and L. PAPP; they proposed it in the appropriate place and time (at the 7th Symposium of the Societas Internationalis Entomofaunisticæ Europæ Centralis which was held in Leningrad on September 19–24, 1977). More than half of the potential (and later actual) authors of the Catalogue attended this convention and had assembled in a special workshop to discuss the proposal. The Section of Biological Sciences of the Hungarian Academy of Sciences supported the initiative and the Publishing House of the Hungarian Academy of Sciences, Budapest (Akadémiai Kiadó) undertook publication and ÁRPÁD SOÓS was appointed as Editor-in-Chief. During publication, the C.P.D. Board of Editors did not function according to the original plan, e.g. the Board was never able to convene with the majority of members present. Soós's numerous travels and his consultations largely supplemented the meetings of an unhindered Board.

In December 1978 he sent out the first circular letter (later other four circulars were sent out until 1983; for details see SOÓS & PAPP 1992).

After all, Vols 9 and 10 were published on 15th October, 1984; they were followed irregularly by other ones, until he arrived, before Christmas 1990, to the completion of the *manuscript* of Vol. 13, the last but two in the order of publication. In the last weeks of his active time he worked on the introductory part of Volume 1 and made some preparatory editorial work on that volume (which was completed by P. OOSTERBROEK and L. PAPP; and since the publication of Vol. 13 was suspended by the Akadémiai Kiadó in the summer of 1991, Vol. 1 was issued earlier than Vol. 13; Vol. 14, comprising the cumulative index can be finished after having a clean proof for Vol. 13).

The Catalogue contains the basic taxonomic, nomenclatorial and distribution data of all species described from the Palearctic Region, and also of those known from it (besides the fundamental morphological features of the majority of fly groups). The period of the Catalogue extends from 1758 to 31 December, 1982.

Since in the several volumes of the C.P.D. no publicatum had been expressly given, the Editors arbitrarily considered the date of publication as

the day on which the Volume concerned could first be purchased in the bookshops of Budapest. The dates of publication thus "defined" are as follows:

- Vol. 1: April 30, 1992
- Vol. 2: November 30, 1990
- Vol. 3: March 15, 1988
- Vol. 4: December 1, 1986
- Vol. 5: January 1, 1988
- Vol. 6: March 1, 1989
- Vol. 7: April 25, 1991
- Vol. 8: September 20, 1988
- Vol. 9: October 15, 1984
- Vol. 10: October 15, 1984
- Vol. 11: March 1, 1986
- Vol. 12: March 1, 1986
- Vol. 13: see publicatum on the last page of the volume
- Vol. 14: see publicatum on the last page of the volume.

The greatest difficulty in editing the C.P.D. was the fact that there was never a technical staff at Soós's disposal (he had at most one technical assistant); the shaping and publication of the Catalogue took 15 years – and is not yet completed. He was open to any criticism which was addressed partly to exceeding consistency and rigid adherence to the established forms, and partly (and quite contrarily) the inconsistency of the Editors in allowing – by reference to authorship licence – headstrong authors to deviate from these very forms. He said repeatedly: "The most deserving recognition of our work would be the complete unveiling of all the mistakes and lacks of the Catalogue in revisions and in papers, as soon and as completely as possible." He had never aimed at a consummate Great Opus, only the accomplishment of a usable tool and thus serving the science of dipterology. Regrettably, it is the obligation of the survivors to complete the C.P.D. He was also the author of numerous parts, namely:

*Micropezizidae*, *Neriidae*, *Tanypezizidae*, *Psilidae*, *Pygogotidae*, *Platystomatidae*, *Oribidae*, *Dryomyzidae*, *Neottiophilidae*, *Chasiidae*, *Tricosceliidae*, *Chyromyzidae*, *Opomyzidae*, *Tekhinidae*; as co-author: *Cylindrotomidae* (jointly with P. OOSTERBROEK), *Senopiniidae* (jointly with L. P. KEISEY), *Hippoboscidae*, *Nycteribiidae*, *Streblidae* (jointly with K. HŰRKA), *Gasterophilidae*, *Oestridae*, *Hypodermatidae* (jointly with J. MINAR).

He was the editor of several journals: *Fragmenta Faunistica Hungarica*, *Allatani Közlemények*, *Egyetemek Biológiai Fvkönyve* [Annals of Universities, Biology], *Folia Entomologica Hungarica*. From 1959 to 1984 he edited the journal *Acta Zoologica Hungarica*.

He was active in many professional societies, and was honoured by many of them:

Zoological Committee of the Hungarian Academy of Sciences (member for numerous years and its secretary from 1955 to 1957), Hydrobiological Committee of the Hungarian Academy of Sciences (from 1970 to 1987), Zoological Section of the Hungarian Biological Society (member for decades, its president from 1970 to 1974, the Society presented him the Gelei József Award), Hungarian Society of Parasitologists (member of its Board from 1963 to 1975), Hungarian Entomological Society (President from 1963 to 1969). He was awarded the Gold Medal of the "Priváldszky Memorial Plaque" and was a member of the Society for more than 50 years!). He also received the medal "In scientia entomofaunistica excellenti" from the Societas Internationalis Entomofaunisticae Europae Centralis in 1988.

He passed away on 1st of June 1991. He was survived by his wife, three daughters, three sons and sixteen grandchildren.

#### SCIENTIFIC PUBLICATIONS OF DR. Á. SOÓS ACCORDING TO ANIMAL GROUPS

##### Mollusca

- 1934: A *Tropidiscus carinatus* Müll. magyarországi előfordulása. [The occurrence of *Tropidiscus carinatus* Müll. in Hungary.] – *Allattani Közlem.* **31**: 213–214.
- 1935: A magyarországi Planorbis-félék ivarkészülékének alak- és szövettana. (Morphologie und Histologie des Geschlechtsapparates der ungarischen Planorbis-Arten.) – *Allattani Közlem.* **32**: 21–46.
- 1937: Az Anisus septemgyratrus rendszertani helye. (Die systematische Stellung von Anisus septemgyratrus.) – *Allattani Közlem.* **34**: 83–87.
- 1950: Puhatestűek – Mollusca. – In: L. Móczár (ed.): *Állathatározó*. Tankönyvkiadó, Budapest, pp. 712–729.

##### Vermes

- 1936: Magyarország mohában élő fonálférgéről. I. (Über die moosbewohnenden Nematoden Ungarns I.) – *Allattani Közlem.* **33**: 53–64.
- 1936: A hómérséklet ökológiai jelentősége a mohában élő fonálférgék életében. (Die Temperatur als ökologischer Faktor im Leben der moosbewohnenden Fadenwürmer.) – *Allattani Közlem.* **33**: 160–173.
- 1937: Magyarország mohában élő fonálférgéről. II. (Über die moosbewohnenden Nematoden Ungarns.) – *Allattani Közlem.* **34**: 42–46.
- 1937: Pseudohabdelaimus limophilus n. g. n. sp., eine neue, freilebende Nematode. – *Zool. Anz.* **118**: 323–325.
- 1938: A magyarországi tőzegmoha-lápok fonálférgéről. (Die Nematoden der ungarischen Sphagnummoore.) I. – *Allattani Közlem.* **35**: 61–83.
- 1938: Zwei neue tyrrhobionte Nematoden-Arten. – *Zool. Anz.* **124**: 281–286.
- 1940: Über die Nematoden eines neuen, bisher unbekanntes Sphagnum-Vorkommen. – *Fragm. Faun. Hung.* **3**: 17–18.
- 1940: A magyarországi tőzegmoha-lápok fonálférgéről. (Die Nematoden der ungarischen Sphagnummoore.) II. – *Allattani Közlem.* **37**: 71–91.

1940: Beiträge zur Kenntnis der moosbewohnenden Nematoden Ungarns. – *Fragm. Faun. Hung.* **3**: 38–71.

1940: Magyarország szabadon élő fonálférgének jegyzéke. (Verzeichnis der freilebenden Nematoden Ungarns.) – *Annls hist.-nat. Mus. natn. hung.* **33** (pars zool.): 79–97.

1941: A magyarországi tőzegmoha-lápok fonálférgéről. III. (Die Nematoden der ungarischen Sphagnummoore.) III. – *Allattani Közlem.* **38**: 35–48.

1941: Über die Nematoden eines neuen Sphagnum-Vorkommens in Ungarn. – *Fragm. Faun. Hung.* **4**: 52.

1941: *Rhabditis carpaticus* spec. nov., eine neue in Sphagnum-Mooren lebende Nematode. – *Fragm. Faun. Hung.* **4**: 115–116.

Soos Á. & F. Pax (1943): Die Nematoden der deutschen Schwefelquellen und Thermen. – *Arch. f. Hydrobiol.*, Ang. Themenmann Festband, **40**: 123–183.

1943: Süßwasser-Nematoden aus dem Komitat Bars. – *Fragm. Faun. Hung.* **6**: 29.

1943: Adatok a Crenobia alpina, Euplanaria gonocephala és Polyvelis cornuta hazai elterjedéséhez. (Beiträge zur Kenntnis der Verbreitung von Crenobia alpina, Euplanaria gonocephala und Polyvelis cornuta in Ungarn.) – *Annls hist.-nat. Mus. natn. hung.* **36**: 25–33.

1944: A szabadon élő fonálférgék (Nematoda) gyűjtése és konzerválása. [Collecting and conservation of free living nematods.] – *Fragm. Faun. Hung.* **7**: 63–73.

1948: Szabadon élő fonálférgék – Nematoda [Free living nematods.] – in E. Dudich (ed.): *Az állatok gyűjtése* **1**: 79–87.

Soos Á. & Pax, F. (1950): Nematoden aus mitteleuropäischen Mineralquellen. – *Zool. Anz.* **145**: 92–100.

1950: Véglegyek – Protozoa. – in L. Móczár (ed.): *Állathatározó*, Tankönyvkiadó, Budapest, pp. 17–24.

1950: Szivacsok – Porifera. Csalánozók – Cnidaria. – in L. Móczár (ed.): *Állathatározó*, Tankönyvkiadó, Budapest, pp. 25–28.

1950: Férgek – Vermes. – in L. Móczár (ed.): *Állathatározó*, Tankönyvkiadó, Budapest, pp. 28–48.

1950: Férgek – Vermes. – in L. Móczár (ed.): *Állathatározó*, Tankönyvkiadó, Budapest, pp. 28–48.

1950: Férgek – Vermes. – in L. Móczár (ed.): *Állathatározó*, Tankönyvkiadó, Budapest, pp. 28–48.

1953: Bátorliget szabadon élő fonálféreg-faunája – Nematoda [Free-living nematods in Bátorliget.] – in V. Szekessy: *Bátorliget élővilága*, Akadémiai Kiadó, Budapest, pp. 163–172.

1962: Szabadon élő "férgek" csoportok és férgek – Platyhelminthes, Nematelminthes, Aschelminthes, Campitozoa, Annelida, Archipodiata. – In: L. Móczár (ed.): *Állatok gyűjtése*, Tankönyvkiadó, Budapest, pp. 42–66.

##### Hirudinoidea

1939: Hirudineen aus dem Komitat Bars. – *Fragm. Faun. Hung.* **2** (3): 44–46.

1940: A Tihanyi-félsziget pócafaunájáról. (Über die Blutegel-Fauna der Halbinsel Tihany.) – *Magyar Biol. Kut. Int. Munk.* **12**: 290–295.

1958: New data to the ecology and distribution in the Carpathian Basin of Trocheta Bykovskii Gehr. (Hirudinea). – *Annls hist.-nat. Mus. natn. hung.* (ser. nov.) **50** (9): 173–177.

1963: New leeches (Hirudinea) from the fauna of Hungary. – *Annls hist.-nat. Mus. natn. hung.* **55**: 285–292.

1963: Identification key to the species of the genus Diana R. Blanchard, 1892 (emend. Mann, 1952) (Hirudinea: Eryobdellidae). – *Acta Univ. Szegediensis, Acta biol.* **9** (1–4): 253–261.

1964: Milyen pócafajok várhatók még a magyar faunában? (Leech species to be shown in the Fauna of Hungary.) – *Allattani Közlem.* **51**: 125–133.

1964: A revision of the Hungarian fauna of Rhyrachobdellid leeches (Hirudinea). – *Opusc. zool. Budapest* **5** (1): 107–112.

1965: Identification key to the leech (Hirudinoidea) genera of the world, with a catalogue of the species. I. Family: Piscicolidae. – *Acta Zool. Hung.* **11** (3–4): 417–463.

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- 1966: Identification key to the leech (Hirudinoidea) genera of the world, with a catalogue of the species. III. Family: Erpobdellidae. — *Acta Zool. Hung.* **12** (3-4): 371-407.
- 1966: On the genus *Glossiphonia* Johnson, 1816, with a key and catalogue to the species (Hirudinoidea: Glossiphoniidae). — *Annals hist.-nat. Mus. natn. hung.* **58**: 271-279.
- 1967: Identification key to the leech (Hirudinoidea) genera of the world, with a catalogue of the species. IV. Family: Haemadipsidae. — *Acta Zool. Hung.* **13** (3-4): 417-432.
- 1967: On the genus *Batrachobdella* Viguiet, 1897, with a key and catalogue to the species (Hirudinoidea: Glossiphoniidae). — *Annals hist.-nat. Mus. natn. hung.* **59**: 243-257.
- 1967: On the genus *Hemiclepsis* Vejdovsky, 1884, with a key and catalogue of the species (Hirudinoidea: Glossiphoniidae). — *Opusc. zool. Budapest* **7** (1): 233-240.
- 1967: On the leech fauna of the Hungarian beach of the Danube (Danubialia Hungarica, XLII). — *Opusc. zool. Budapest* **5** (2): 241-257.
- 1968: A new leech genus: *Richardsonianus* gen. nov. (Hirudinoidea: Hirudiniidae). — *Acta Zool. Hung.* **14** (3-4): 455-459.
- 1968: Identification key to the species of the genus *Erpobdella* de Blainville, 1818 (Hirudinoidea: Erpobdellidae). — *Annals hist.-nat. Mus. natn. hung.* **60**: 141-145.
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- 1969: Identification key to the leech (Hirudinoidea) genera of the world, with a catalogue of the species. VI. Family: Glossiphoniidae. — *Acta Zool. Hung.* **15** (3-4): 397-454.
- 1970: A zoogeographical sketch of the freshwater and terrestrial leeches (Hirudinoidea). — *Opusc. zool. Budapest* **10** (2): 313-324.
- 1973: Az európai szárazföldi pócákokról (On the European land leeches.) (Hirudinoidea: Xerobdellidae). — *Állattani Közlem.* **60**: 103-109.

### Homoptera

- 1950: Rhynchota. — In: L. Móczár (ed.): *Állathatározó*, Tankönyvkiadó, Budapest, pp. 619-675.
- 1954: Revision und Ergänzungen zum Homopteren-Teil des Werkes "Fauna Regni Hungariae". II. 4. Issidae, 5. Tropiduchidae, 6. Tettigometridae. — *Ann. hist.-nat. Mus. natn. hung.* (ser. nov.) **5**: 423-431.
- 1954: Bestimmungstabelle der paläarktischen Cixiiden-Gattungen (Homoptera, Fulgoroidea). — *Annals hist.-nat. Mus. natn. hung.* (ser. nov.) **5**: 419-421.
- 1954: Revision und Ergänzungen zum Homopteren-Teil des Werkes "Fauna Regni Hungariae". II. 4. Issidae, 5. Tropiduchidae, 6. Tettigometridae. — *Ann. hist.-nat. Mus. natn. hung.* (ser. nov.) **5**: 423-431.
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