

Antti Jansson (1940–2002)

V. Ilmari Pajunen* & Larry Huldén*



1. Jansson's career

Antti Jansson was born in 1940 in Ylöjärvi and started his studies in biology in 1961 at the University of Helsinki, attaining the degree of Master of Science in 1965, Licenciante of Philosophy in 1968 and Doctor of Philosophy in 1971, after studies at the University of British Columbia.

His scientific talent was obvious and he was appointed as a member of the staff of the Finnish Museum of Natural History in Helsinki already as a student in 1963. He acted as preparator, amanuensis and curator 1964–1981, though there were frequent periods of leave of absence: doctoral studies in Canada 1968–1971, assistantship in the Department of Zoology 1973–1979, acting professor of hydrobiology 1974–1975. In 1981 he returned to Finnish Museum of Natural History and was the acting head (kustos) of the Entomology Department there from 1981–1990.

Antti Jansson was an active member of Finnish biological societies. He was the secretary of Finnish Biological Society Vanamo in 1976–1977, vice chairman of Finnish Entomological Society 1984–1985, its chairman 1985–1991, member of the editorial board of *Annales Entomologici Fennici* and *Acta Entomologica Fennica* 1984–86, Editor-in-Chief of *Annales Entomologici Fennici* 1987–1989 and Editor-in-Chief of *Entomologica Fennica* 1990–1995.

Antti Jansson's main research interests

centered on the waterboatmen of the family Corixidae. His M. Sc. thesis discussed the adaptations of species living in the highly fragmented environment of small rock pools. Soon he became interested in sound production of these insects, and his first paper on the subject from 1968 discussed the daily rhythm of stridulation of one of the rock pool species. His doctoral dissertation was on stridulation and its function in species of genus *Cenocorixa*, the main results were published in a series of important papers, which made him a noted specialist on insect bioacoustics. On returning to Finland, he started studies on stridulation of *Micronecta* species, and even used the recognizable species-specific differences as environmental indicators. Studies on rock pools corixids, especially *Arctocorisa carinata*, with highly fragmented distribution, were continued. He visited all main areas inhabited by this species and obtained even live material for acoustic and breeding studies. As the prominent expert in bioacoustics, Jansson also worked in a team studying Finnish *Hylobius* weevils. He was a supervisor for several students working on bioacoustics and taught in several field courses on aquatic ecology.

Later in his life, his main field of interest was the taxonomy of Corixidae. On the suggestion of his colleagues, he started working with the revision of corixids of the eastern hemisphere, and visited all important collections, both museum and

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private, in 1978–1980. The revision of European Corixidae was ready in 1986. Unfortunately, however, the next parts remained unfinished.

Antti Jansson had a surprisingly complex personality. Outwardly he was sociable and cooperative, as his work with a multitude of colleagues well proved. He performed his various tasks in the university bureaucracy with surprising efficiency. He carried on his research tenaciously in spite of injuries which forced him to resign his office. With his closest friends, a boyish streak became apparent, he was apt to playful jokes, even mild mischief. However, hidden was a surprisingly sensitive personality, who could long brood on his setbacks.

Antti Jansson died on 16 July 2002.

2. Published papers

1965. Three species of Corixidae (Hem. Het.) new to Finland. — *Ann. Entomol. Fennica* 31: 75–76.
1967. *Arctocoris germari* (Fieber) (Hem., Corixidae) löydetty Suomesta; *Arctocoris germari* (Fieber) (Hem., Corixidae) neu für die Fauna Finnlands. — *Ann. Entomol. Fennici*.
1968. Diel periodicity of the stridulating activity of *Callicorixa producta* Reuter (Heteroptera, Corixidae). — *Ann. Zool. Fennici* 5: 265–269.
1969. Identification of larval Corixidae (heteroptera) of Northern Europe. — *Ann. Zool. Fennici* 6: 289–312.
1969. Seasonal changes in the sex ratio of rock pool corixids (Heteroptera, Corixidae). — *Ann. Zool. Fennici* 6: 219–226. (With V. I. Pajunen.)
1969. Dispersal of the rock pool corixids *Arctocoris carinata* (Sahlb.) and *Callicorixa producta* (Reut.) (Heteroptera, Corixidae). — *Ann. Zool. Fennici* 6: 391–427. (With V. I. Pajunen.)
1971. Stridulation and its significance in the waterbug genus *Cenocorixa*. — *Diss. Abstr. Int.* 1971. 32: 2775–B. 1 p.
1972. Mechanisms of sound production and morphology of the stridulatory apparatus in the genus *Cenocorixa* (Hemiptera, Corixidae). — *Ann. Zool. Fennici* 9: 120–129.
1972. Systematic notes and new synonymy in the genus *Cenocorixa* (Hemiptera: Corixidae). — *Canadian Entomol.* 104: 449–459.
1972. Corixidae (Hemiptera) as predators: rearing on frozen brine shrimp. — *J. Entomol. Soc. British Columbia* 69: 44–45. (With G. G. E. Scudder.)
1973. Diel periodicity of stridulating activity in the genus *Cenocorixa* (Hemiptera, Corixidae). — *Ann. Zool. Fennici* 10: 378–383.
1973. Stridulation and its significance in the genus *Cenocorixa* (Hemiptera, Corixidae). — *Behaviour* 46: 1–36.
1974. Wintertime fluctuations in the epifauna of *Cladophora rupestris* in a rock pool on the Swedish west coast. — *Ann. Zool. Fennici* 11: 185–192.
1974. Effects of temperature on stridulatory signals of *Cenocorixa* (Hemiptera, Corixidae). — *Ann. Zool. Fennici* 11: 288–296.
1974. Annual periodicity of male stridulation in the genus *Cenocorixa* (Hem., Corixidae). — *Freshwater Biology* 4: 93–98.
1974. The life cycle and sexual development of *Cenocorixa* species (Hemiptera, Corixidae) in the Pacific Northwest of North America. — *Freshwater Biology* 4: 73–92. (With G. G. E. Scudder.)
1975. Mounting signals and their function in three *Sigara* (Subsigara, Corixidae) species (Hemiptera, Corixidae). — 14th Int. Ethol. Conf., Parma, Italy: Abstr. 1 p.
1975. Comparison of *Sigara saileri* Wilson and *S. johnstoni* Hungerford (Hemiptera, Corixidae). — *J. Kansas Entomol. Soc.* 48: 1–3.
1976. Records on the distribution of *Micronecta* species (Het., Corixidae) in Finland. — *Ann. Entomol. Fennici* 42: 162–166.
1976. Audiospectrographic analysis of stridulatory signals in some North American Corixidae (Hemiptera). — *Ann. Zool. Fennici* 13: 48–62.
1977. Sound production in the large pine weevil, *Hylobius abietis* L. (Coleoptera, Curculionidae). — 15th Int. Ethol. Conf., Bielefeld, Germany. Abstr. 1 p.
1977. Distribution of *Micronecta* (Heteroptera, Corixidae) in Lake Päijänne, central Finland: correlation with eutrophication and pollution. — *Ann. Zool. Fennici* 14: 105–117.
1977. *Micronecta* (Heteroptera, Corixidae) as indicators of water quality in two lakes in southern Finland. — *Ann. Zool. Fennici* 14: 118–124.
1977. Sound production associated with mating behaviour of the large pine weevil, *Hylobius abietis* (Coleoptera, Curculionidae). — *Ann. Entomol. Fennici* 43: 66–75. (With J. Selander.)
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1978. Aberrant arrangement of male palpal pegs in some *Callicorixa* species (Heteroptera, Corixidae). — *Notulae Entomol.* 58: 15–17.
1978. A New Species of *Graptocoris* from Mexico (Heteroptera, Corixidae). — *Pan-Pac. Entomol.* 54: 207–209.
1978. Morphometric comparison of geographically isolated populations of *Arctocoris carinata* (C. Sahlberg) (Heteroptera, Corixidae). — *Ann. Zool. Fennici* 15: 132–142. (With I. Pajunen.)

1979. Strudulation in defense behavior of caddisfly larvae, family Hydropsychidae. — 16th Int. Ethol. Conf., Vancouver, B. C. Canada. Abstr. 1 p.
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1979. Experimental hybridization of *Sigara striata* and *S. dorsalis* (Heteroptera, Corixidae). — Ann. Zool. Fennici 16: 105–114.
1979. Geographic variation in the stridulatory signals of *Arctocoris carinata* (C. Sahlberg) (Heteroptera, Corixidae). — Ann. Zool. Fennici 16: 36–43.
1979. Reproductive isolation and experimental hybridization between *Arctocoris carinata* and *A. germari* (Heteroptera, Corixidae). — Ann. Zool. Fennici 16: 89–104.
1979. The identity of *Ahuautlea mexicana* de la Llave (Heteroptera, Corixidae). — Pan-Pac. Entomol. 55: 251–257.
1979. A new species of *Krizousacorixa* from Mexico (Heteroptera, Corixidae). — Pan-Pac. Entomol. 55: 258–260.
1979. A New Species of *Callicorixa* from Northwestern North-America (Heteroptera, Corixidae). — Pan-Pac. Entomol. 54: 261–266 (1978 issue).
1979. Significance of stridulation in larval Hydropsychidae (Trichoptera). — Behaviour 71: 167–186. (With T. Vuoristo.)
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1980. Acoustic behavior of three species of *Hylobius* (Coleoptera, Curculionidae). — 16th Int. Congr. Entomol., Kyoto, Japan. Abstr. 1 p.
1980. Postglacial distributional history of the water boatman, *Arctocoris carinata* (Heteroptera, Corixidae). — Entomol. Generalis 6: 235–245.
1981. A new European species and notes on synonymy in the genus *Corixa* Geoffroy (Heteroptera, Corixidae). — Ann. Entomol. Fennici 47: 65–68.
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1986. *Sigara* (*Pseudovermicocorixa*) *nigrolineata mendax* nom. nov. for *Sigara nigrolineata cretica* Heiss & Jansson (Heteroptera, Corixidae). — Ann. Entomol. Fennici 52: 112. (With E. Heiss.)
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1986. *Sigara scholtzi* Fieber, [1860] (Insecta, Heteroptera): Proposed conservation by suppression of *Sigara scholtzii* Scholtz, 1846. Z. N. (S.) Case 2494. — Bull. Zool. Nom. 43: 175–177.
1986. *Micronecta griseola* Horváth, 1899 (Insecta, Heteroptera, Corixidae): proposed conservation by the suppression of *Sigara minuta* Fabricius, 1794 and *Sigara lemna* Fieber, 1860. Z. N. (S.) Case 2519. — Bull. Zool. Nom. 43: 178–180.
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1986. Accessions to the Zoological Museum, University of Helsinki/Helsingfors in 1985. — Mem. Soc. Fauna Flora Fennica 62: 126–127. (With E. Karpinen.)
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1987. *Corisa germari* Fieber, 1848 (currently *Arctocorisa germari*; Insecta, Hemiptera): proposed designation of a neotype. Case 2543. — Bull. Zool. Nom. 44: 99–100.
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1987. Revision of the genus *Morphocorixa* Jaczewski (Heteroptera, Corixidae). — Ann. Entomol. Fennici 53: 105–118. (With J. T. Polhemus.)
1988. *Micronecta poweri castillensis* Poisson (Heteroptera, Corixidae): subspecific rank to be restored. — Ann. Entomol. Fennici 54: 138.
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1993. *Notonecta obliqua* Gallén in Thunberg, 1787 (Insecta, Heteroptera): proposed conservation of the specific name. Case 2829. — Bull. Zool. Nom. 50: 118–120. (With J. T. Polhemus.)
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