

Wakayama, Honshu, Japan, **Drs. John Brittain** and **Yu Isobe** were presented with the award for their exemplary research on Plecoptera.

## **Dr. Yu Isobe**

Dr Yu Isobe holds the position of professor at the Nara Bunka Women's College, in Nara, Japan. She has published extensively on the Plecoptera, maintaining the long Japanese tradition of excellence in stonefly research, including such scientists as Drs Ueno, Kohno and Kawai. In fact Dr. Isobe was a student of Dr Kawai with a doctoral thesis entitled, "Studies of ecological differentiation in four species of Perlidae (Plecoptera). She has focused very much on teaching and has had several students of Plecoptera, including Drs Yoshimura and Hanada.

## **The publications of Dr. Yu Isobe on Plecoptera:**

Chino, Y. and Y. Matsui. 1974. On the adult, egg and 1/2/3 instar larvae of *Oyamia gibba*. Klapálek. Nature and Insects 9(7): 18-20. In Japanese.

Kawai, T. and Y. Isobe. 1979. Some taxonomic relationships of the genera *Schistoperla* Banks and *Kiotina* Klapálek. Gewässer und Abwässer. 64: 74-76.

Isobe, Y. 1981. On the life cycle of genus *Oyamia*. Biology of Inland Waters, 2: 37.

Kawai, T. and Y. Isobe. 1984. Notes on the egg of *Scopura longa* Ueno (Plecoptera). Annales de Limnologie 20: 57-58.

Isobe, Y. 1984. Egg number of each mass and the hatching rate in *Oyamia seminigra*. Biology of Inland Waters 3: 39. In Japanese.

Kawai, T. and Y. Isobe 1985. Plecoptera. Pp 125-148. In Kawai, T. (ed.). An Illustrated Book of Aquatic Insects of Japan. Tokai University Press, Tokyo, Japan. 409pp. In Japanese.

Uchida, S. and Y. Isobe. 1988. *Cryptoperla* and *Yoraperla* from Japan and Taiwan (Plecoptera: Peltoperlidae). Aquatic Insects 10: 17-31.

Isobe, Y. 1988. Eggs of Plecoptera from Japan. Biology of Inland Waters 4: 27-39.

Isobe, Y. 1989. Ecological speciation among the larvae of four large stonefly species. Pp. 68-84. In Shibatani, A. and K. Tanida (eds.). Recent Progress of Aquatic Entomology in Japan, Speciation and Habitat Partitioning. Tokai University Press, Tokyo, Japan. 184+21pp. In Japanese.

Uchida, S. and Y. Isobe. 1989. Styloperlidae, stat. nov. and Microperlidae, subfam. nov. with a revised system of the family group Systellognatha. Spixiana 12: 145-182.

- Kawai, T. and Y. Isobe. 1990. Supplement 1 to Plecoptera in Kawai, T. (ed.) An Illustrated Book of Aquatic Insects of Japan. Biology of Inland Waters 5: 37. In Japanese.
- Isobe, Y. 1990. A catalogue of Plecoptera in Hyogo Prefecture (I). Hyogo Freshwater Biology, 36, 37: 115-120. In Japanese.
- Uchida, S. and Y. Isobe. 1991. Designation of a Neotype for *Kamimuria tibialis* (Pictet, 1841), and *K. uenoi* Kohno, 1947, spec., propr., stat. n. (Plecoptera, Perlidae). Aquatic Insects 13: 65-77.
- Hanada, S., Y. Isobe and K. Wada. 1992. Behaviors of adult stoneflies of *Microperla brevicauda* Kawai and *Kamimuria tibialis* (Pictet) (Plecoptera: Insecta). Biology of Inland Waters 7: 1-9. In Japanese.
- Kofuji, H., Y. Isobe and T. Kawai. 1992. Correlation between size of body parts (particularly mandibles) and wet body weight in aquatic insects. Japanese Journal of Limnology 53: 151-156.
- Hanada, S., Y. Isobe, K. Wada and M. Nagoshi. 1994. Drumming behavior of two stonefly species, *Microperla brevicauda* Kawai (Peltoperlidae) and *Kamimuria tibialis* (Pictet) (Perlidae), in relation to other behaviors. Aquatic Insects 16: 75-89.
- Isobe, Y. 1997. Anchors of stonefly eggs. Pp. 349-361. In Landort, P. and M. Sartori (eds.). Ephemeroptera & Plecoptera: Biology-Ecology-Systematics. Mauron Tinguely & Lachat SA, Fribourg, Switzerland. 569 pp.
- Hayashi, Y., Y. Isobe and T. Oishi. 1997. Diel periodicity of emergence of *Sweltsa* sp. (Plecoptera; Chloroperlidae). Pp. 52-59. In Landort, P. and M. Sartori (eds.). Ephemeroptera & Plecoptera: Biology-Ecology-Systematics. Mauron and Tinguely and Lachat SA, Mancor, Fribourg/Switzerland. 569 pp.
- Hanada, S., Y. Isobe, and T. Oishi. 1997. Emergence sites as mate-encounter locations in *Microperla brevicauda* Kawai (Plecoptera; Chloroperlidae). Pp. 99-106. In Landort, P. and M. Sartori (eds.). Ephemeroptera & Plecoptera: Biology-Ecology-Systematics. Mauron and Tinguely and Lachat SA, Mancor, Fribourg/Switzerland. 569 pp.
- Isobe, Y. 1997. Origin of daily periodicity of insect behaviors and aquatic insects. Biological Science News 312: 12-16. In Japanese.
- Isobe, Y., A. Masuda and T. Oishi. 1998. Biological clocks determining the timing of animal behaviors. The Iden 52(8): 15-20. In Japanese.

- Isobe, Y. 2002. Aquatic insect world (4) Stoneflies. Ibaragi: Water and Green Report 15: 6-11. In Japanese.
- Yoshimura, M., Y. Isobe and T. Oishi. 2003. The relation among emergence date, days until first effective mating, fecundity and adult longevity in *Isoperla aizwana* and *Sweltsa* sp. (Plecoptera). Zoological Science 20: 471-479.
- Yoshimura, M., Y. Isobe, and T. Oishi. 2004. A preliminary report on the ecological meaning of egg morphology (Plecoptera). Biology of Inland Waters 19: 1-8.
- Isobe, Y. 2005. Significance of riverbank structures for aquatic insect emergence – especially on Plecoptera. Study reports of Narabunka Women's College, 36. 15-24. In Japanese.
- Yoshimura, M., Y. Isobe, and T. Oishi. 2006. Comparison of egg period, hatching rate, and first-instar nymphs among three species of stonefly. Limnology 7: 117-121.
- Isobe, Y. and S. Uchida. 2006. Scanning electron microscopic observations of the mouthparts in Peltoperlidae (Plecoptera). Biology of Inland Waters Supplement 1: 33-47.
- Isobe, Y. 2006. Obituary, Dr. Teizi Kawai (20 Oct. 1925-23 April 2005). Perla 24: 8-11.
- Isobe, Y. 2006. Dr. Teizi Kawai-A short curriculum vitae and the publications. Biology of Inland Waters 21: 57-66. In Japanese.
- Isobe, Y. 2006. Memories of Dr. Teizi Kawai. Japanese Journal of Limnology 67: 293-294. In Japanese.
- Isobe, Y. 2008. Life in mountain streams: 24 hours for aquatic insects. Pp. 47-69. In I. Shimizu and T. Oishi (ed.). Rhythm Ecology. Tokai University Press, Tokyo, Japan. 238 pp. In Japanese.
- Isobe, Y. 2008. Running waters and the life (1) Habitats of aquatic insects- gravel bank for stoneflies. 7 April, 2008, Nara Newspapers. In Japanese.
- Isobe, Y. 2008. Running waters and the life (2). The Yoshino River and the Yamato River –reflecting a history of animals and people. 21 April, 2008, Nara Newspapers. In Japanese.
- Tamura, F., Y. Isobe and T. Oishi. 2008. The types and distribution of setae on the larval legs of *Neoperla geniculata*. Pp. 355-368. In Hauer, F.R., J. A. Stanford and R. L. Newell (eds.). International Advances in the Ecology, Zoogeography and Systematics of Mayflies and Stoneflies. University of California Press. Berkeley, California, USA. 412 pp.

- Isobe, Y., M. Yoshimura and T. Oishi. 2008. Stonefly eggs in the sandy shore and the ecological importance of an ovoid egg in a mountain stream. Pp. 51-60. *In* Hauer, F.R., J. A. Stanford and R. L. Newell (eds.). International Advances in the Ecology, Zoogeography and Systematics of Mayflies and Stoneflies. University of California Press. Berkeley, California, USA. 412 pp.
- Tamura, F., Y. Isobe and T. Oishi. 2008. A comparative SEM study on the setae of larval legs in three species of Perlidae (Plecoptera). Pp. 111-122. *In* Wang, X., W. Liu, and B. Ji (eds.). Contemporary aquatic entomological study in East Asia. Nankai University Press. Tianjin, China. 235pp.
- Tamura, F., Y. Isobe and T. Oishi. 2009. A comparative study of the morphology and distribution of setae of larval legs of two families (Perlodidae, Perlidae) of Japanese Plecoptera. Pp. 547-563. *In* Staniczek A.H. (ed.). Aquatic Insects, Volume 31, Supplement 1, 2009, International Perspectives in Mayfly and Stonefly Research. Taylor & Francis. 747 pp.
- Isobe, Y. and S. Uchida. 2009. Japanese species of the genus *Oyamia* (Plecoptera: Perlidae), with notes on *O. nigribasis* from Korea. Pp. 231-244. *In* Staniczek A.H. (ed.). Aquatic Insects, Volume 31, Supplement 1, 2009, International Perspectives in Mayfly and Stonefly Research. Taylor & Francis. 747 pp.
- Isobe, Y. 2010. Let's notice stream insects (2). 2 March 2010, Mainichi Newspapers. In Japanese.

## **Dr. John Brittain**

Dr. John E. Brittain has been studying Plecoptera and other aquatic insects for over 40 years. Initially, he took his Ph.D. on the ecology and distribution of Ephemeroptera and Plecoptera at the University of Wales, Bangor, U.K., before moving to Norway on a post-doctoral fellowship, where he worked together with the late Dr. Albert Lillehammer for a number of years. He has stayed in Norway ever since, obtaining a Norwegian dr. philos. degree in 1978. He was awarded a D.Sc. from the University of Wales in 1993 for his significant contribution to science. At present he is Senior Research Scientist at the Freshwater Ecology and Inland Fisheries Laboratory at the Natural History Museum, University of Oslo. In addition he holds the post of Adjunct Professor, in the Department of Ecology and Natural Resources, Norwegian University of Life Sciences and is a Senior Adviser at the Norwegian Water Resources & Energy Directorate, thus combining research, teaching and management.

Dr. Brittain has published extensively on aquatic insects, especially Plecoptera and Ephemeroptera, with a focus on their ecology, notably egg development, life cycles and their use as environmental indicators. The studies have largely been in Europe, especially in arctic and alpine areas, although sorties have been made to Canada and Australia. He is currently chair of the Standing Committee of the International Society of