

Kawakatsu's Web Library on Planarians: Sept. 15, 2009.

MISCELLANEOUS PAPERS ON "TURBELLARIANS"

By

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ARTICLE I

**A LIST OF PUBLICATIONS ON JAPANESE "TURBELLARIANS" (2008)....
INCLUDING TITLES OF PUBLICATIONS ON FOREIGN
"TURBELLARIANS" WRITTEN BY THE JAPANESE AUTHORS....**

Compiled and annotated by MASAHARU KAWAKATSU, MIYUKI KAWAKATSU and
TETSUYA KAWAKATSU

In a series of publications, of which this is the forty-first, we have collected and classified chronologically the titles of papers and records with regard to our Turbellarians, which were published during the year 2008. As usual we have added the English titles of Japanese papers with no foreign language. Titles in Japanese are omitted in this version.

The pdf versions of ' A List of Publications on Japanese Turbellarians ' (published after 2001) are available at Kawakatsu's website: <http://victoriver.com> . Left button: planarian.net mirror. See also Left buttons: Miscellaneous 05, 06, 07, 08.

Digital versions of various taxonomic and ecological papers published by Kawakatsu's team are available at Kawakatsu's private collection (magneto-optical disc). Digital versions of teaching guides and popular scientific articles are also available (mainly in Japanese).

July 1, 2009. Sapporo and Kisarazu, Japan.

A LIST OF PUBLICATIONS ON JAPANESE "TURBELLARIANS" (2008)

Additional Key to the Japanese Journals

Bulletin of Ibaraki Natural Museum. Bandô, Ibaraki Prefecture, Japan.

Bulletin of the Faculty of Agriculture and Life Science, Hirosaki University. Hirosaki, Aomori Prefecture, Japan.

Global Environmental Research (Tôkyô). Association of International Research Initiatives for Environmental Studies. Tôkyô, Japan. <http://www.airies.or.jp> .

Mizube-no-Wa (Suisei-Konchû Danwa-kai Kaihô). Tsukuba, Ibaraki Prefecture, Japan. <http://www002.upp.so-net.ne.jp/ecofront/JAIS/> .

2000 (Heisei 12 Nen)

Kuznedelov, D. K., Ishida, S. & Nishitani, S.-I. Genetic divergence of Japanese turbellarians, studied by comparisons of partial 18S rRNA gene sequences. I. On representatives of Dendrocoelidae (Platyhelminthes: Tricladida: Paludicola). Zool. Sci. (Tôkyô), 17: 491-496.

Note. These authors suggested from the molecular biological data that *Dendrocoelopsis ichikawai* Kawakatsu, 1977 belongs to the genus *Bdellocephala*. However, Kawakatsu has a taxonomic opinion that *D. ichikawai* should remain in *Dendrocoelopsis* based upon its penial anatomy. See the section “ On the status of *Dendrocoelopsis ichikawai* ” (on p. 210) in the following paper.

Kawakatsu, M., Sluys, R., Timoshkin, O. A., Naumova, T. V., Nishino, M. & Takai, M., 2001. Redescription of Japanese *Bdellocephala annandalei* from Lake Biwa-ko with comparative redescription of the Far Eastern and Kamchatkan *Bdellocephala* species (Tricladida, Paludicola). Belg. Jour. Zool., 131 (Suppl. 1): 205-211.

2008 (Heisei 20 Nen)

Agata, K. Planarian nervous system. Scholarpedia, 3 (6): 5558 (9 pages).

Agata, K. New advances in planarian biology: Opening remarks. Planarian Advances (eds. Lamy, C. & Agata, K.). Circular for the participants of the Satellite Meeting in the 79th Ann. Meet. of the Zool. Soc. of Japan (Sept. 5, 2008: Fukuoka, Japan). c/o Dr. Kiyokazu Agata (Dept. Biophys., Grade School Sci., Kyoto Univ.), Kyôto, Japan. (Both in Eng. and Jap.) agata@mdb.biophys.kyoto-u.ac.jp

Álvarez-Presas, M., Baguña, J. & Riutort, E. Molecular phylogeny of land and freshwater planarians (Tricladida, Platyhelminthes): From freshwater to land and back. Molec. Phylogen. Evol., 47: 555-568.

Note. The following 6 Japanese triclad species were included in the samples examined for this study. They are: *Dugesia japonica* Ichikawa et Kawakatsu, 1964; *Dugesia ryukyuensis* Kawakatsu, 1976; *Bipalium nobile* Kawakatsu et Makino, 1982; *Novibipalium venosum* (Kaburaki, 1922); *Diversibipalium multilineatum* (Makino et Shirasawa, 1983); *Diversibipalium* sp.

The Asahi (Asahi-Shinbun). [A lowering of water circulation in Lake Biwa-ko in the warm winter may bring a low oxygen density of deep zone water of the Lake. It will

have an abnormal effect on the benthos of Lake Biwa-ko]. February 6, 2008 (Wednesday). (Jap.)

Chiba, S., 2003. Species diversity and conservation of *Mandarina*, an endemic land snail of the Ogasawara Islands. Environ. Res. (Tôkyô), 7: 29-37.

Chinone, S., Yamamoto, K. & Kawakatsu, M. The first record of a North American freshwater planarian *Girardia tigrina* (Girard) from Ibaraki Prefecture, Central Japan (Plathelminthes, "Turbellaria", Tricladida). Bull. Ibaraki Nat. Mus., (17): 33 - 40. (Jap. with Eng. summ.)

Chinone, S., Yamamoto, K. & Kawakatsu, M. The first record of a North American freshwater planarian *Girardia tigrina* (Girard) from Ibaraki Prefecture, Central Japan (Platyhelminthes, "Turbellaria", Tricladida). Selected 3 pages with figures only. <http://victoriver.com> . Left button: G tigrina Ibaraki. (Both in Jap. and Eng.)

Faubel, A. & Kawakatsu, M. Turbellariologists. Portraits; Memoirs, biographies and bibliographies of famous turbellariologists. <http://www.rrz.uni-hamburg.de/benthos> . Left button: turbellariologists. <http://victoriver.com> . Left button: Turbellariologists. See also Links: The home-page of PD Dr. Anno Faubel.

Fukushima, M., Funabiki, I., Hashizume, T., Osada, K., Yoshida, W. & Ishida, S. Detection and changes in levels of testosterone during spermatogenesis in the freshwater planarian *Bdellocephala brunnea*. Zool. Sci. (Tôkyô), 25: 760-765.

Fukushima, M., Yamamoto, K., Yoshida, W. & Ishida, S. Immunohistochemical localization of testosterone in the freshwater planarian *Bdellocephala brunnea*. Abstracts of the 79th Ann. Meet. of the Zool. Soc. of Japan held in Fukuoka, on September 5-7, 2008, p. 77. (Jap.)

Hikosaka, T., Koike, K., Yamashita, H., Hikosaka, A. & Koike, K. A study of the fine structure of *Waminoa* sp. and its endosymbiotic algae. Abstracts of the 79th Ann. Meet. of the Zool. Soc. of Japan held in Fukuoka, on September 5-7, 2008, p. 119. (Jap.)

Hori, H. Electron microscopic observation of the early stage of planarian regeneration. Planarian Advances (eds. Lamy, C. & Agata, K.). Circular for the participants of the Satellite Meeting in the 79th Ann. Meet. of the Zool. Soc. of Japan (Sept. 5, 2008: Fukuoka, Japan). c/o Dr. Kiyokazu Agata (Dept. Biophys., Grade School Sci., Kyoto Univ.), Kyôto, Japan. (Both in Eng. and Jap.) horio-bio@kanazawa-med.ac.jp .

Ishida, S. Intestinal cells have self-renewal function in the marine planarian polyclads. Planarian Advances (eds. Lamy, C. & Agata, K.). Circular for the participants of the Satellite Meeting in the 79th Ann. Meet. of the Zool. Soc. of Japan (Sept. 5, 2008: Fukuoka, Japan). c/o Dr. Kiyokazu Agata (Dept. Biophys., Grade School Sci., Kyoto Univ.), Kyôto, Japan. (Both in Eng. and Jap.) sachikoi@cc.hirosaki-u.ac.jp .

Ishida, S. [Freshwater planarians in the Shirakami Mountains, Aomori and Akita Prefectures, Tôhoku Region, Honshû, Japan]. In: Shirakami Sanchi no Miryoku (Ed.

Shirakami Kenkyû Center), pp. 24-26, 61. Hirosaki Daigaku Shuppan-kai. Ed. 1 (Oct. 30, 2008); Ed. 2 (Jan. 22, 2009). (Jap.)

Ishizu, H., Chinone, A., Kobayashi, K. & Matsumoto, M. Reproductive mode of the triploid planarian *Dugesia ryukyuensis*. Abstracts of the 79th Ann. Meet of the Zool. Soc. of Japan held in Fukuoka, on September 5-7, 2008, p. 109. (Jap.)

Ishizu, H., Nakagawa, H., Kobayashi, K. & Matsumoto, M. Functional analysis of *nanos* required for germ cell development in planarian, *Dugesia ryukyuensis*. Abstracts of the 79th Ann. Meet. of the Zool. Soc. of Japan held in Fukuoka, on September 5-7, 2008, p. 92. (Jap.)

Kawakatsu, M. Short reminiscences of a turbellariologists - At the occasion of his 79th birthday -. Kawakatsu's Web Library on Planarians: Jan. 20, 2008. <http://victoriver.com> . Left button: Reminiscences. Pp. 1-15 + pls 1-2.

Kawakatsu, M., Froehlich, E. M. & Jones, H. D. Miscellaneous papers on "Turbellarians". ARTICLE II. Additions and corrections of the previous land planarian indices of the world (Platyhelminthes, Seriata, Tricladida, Terricola). Additions and corrections of the previous land planarian indices of the world-16. Kawakatsu's Web Library on Planarians: Sept. 15, 2008. <http://victoricer.com> . Left button: Miscellaneous 08. Pp. 10-21.

Kawakatsu, M., Froehlich E. M., Jones, H. D., Kawakatsu, M-y. & Kawakatsu, T. Miscellaneous papers on "Turbellarians". Kawakatsu's Web Library on Planarians: Sept. 15, 2008. <http://victoriver.com> . Left button: Miscellaneous 08. Pp. 1-21.

Note. This web article consists of 2 web articles: ARTICLE I (by Kawakatsu, M., Kawakatsu, M-y. & Kawakatsu, T.) and ARTICLE II (by Kawakatsu, M., Froehlich, E. M. & Jones, H. D.). See each web article according to the alphabetical order of the authors' names.

Kawakatsu, M., Kawakatsu, M-y. & Kawakatsu, T. Miscellaneous papers on "Turbellarians". ARTICLE I. A list of publications on Japanese "Turbellarians" (2008) - Including titles of publications on foreign "Turbellarians" written by the Japanese authors -. Kawakatsu's Web Library on Planarians: Sept. 15, 2008. <http://victoriver.com> . Left button: Miscellaneous 08. Pp. 1-9.

Kawakatsu, M. & Ohtaka, A. Record of a freshwater planarian, *Dendrocoelopsis ezensis* Ichikawa et Okugawa, 1958, from the bottom of Lake Kussharo-ko in Hokkaidô, Japan, with a corrective overview of the previous records of Japanese lake-dwelling planarians. Kawakatsu's Web Library on Planarians. Dec. 10, 2008. <http://victoriver.cpm> Left button: Lake Planarians.

Kawakatsu, M., Tsuruda, D., Kimura, T., Chinone, S., Murayama, H. & Yamamoto, K. Dugesiid freshwater planarians found in flatland of Japan: A guide for the identification of two native and three exotic species. Mizube-no-Wa, (26): 1-12. (Jap.)

Kawakatsu, M., Tsuruda, D., Kimura, T., Chinone, S., Murayama, H. & Yamamoto, K. Dugesiid freshwater planarians found in flatland of Japan: A guide for the identification of two native and three exotic species. Kawakatsu's Web Library on Planarians. Dec. 20, 2008. <http://victoriver.com> . Left button: Flatland FPs.

Note. This web article is a reproduction of the Japanese article published in Mizubeno-wa (by Kawakatsu, Tsuruda, Kimura, Chinone, Murayama & Yamamoto, 2008). English title and explanations of figures are given in the front 3 pages.

Kawakatsu, M., Wu, S.-K., Kawakatsu, M.-y. & Kawakatsu, T. An annotated bibliography (1841-2007) of Chinese "Turbellarians" (Platyhelminthes), with explanatory lists of linked papers on those animal groups. Kawakatsu's Web Library on Planarians: Feb. 29, 2008. <http://victoriver.com> . Left button: China Turbellarians.

Lamy, C. & Yazawa, S. Anteroposterior polarity in regeneration of planarian *Dugesia japonica*. Planarian Advances (eds. Lamy, C. & Agata, K.). Circular for the participants of the Satellite Meeting in the 79th Ann. Meet. of the Zool. Soc. of Japan (Sept. 5, 2008; Fukuoka, Japan). c/o Dr. Kiyokazu Agata (Dept. Biophys., Grade School Sci., Kyoto Univ.). Kyôto, Japan. (Both in Eng. and Jap.)
lamy@mdb.biophys.kyoto-u.ac.jp; yazawa@mdb.biophys.kyoto-u.ac.jp .

Matsumoto, M. & Kobayashi, K. Transition between asexual and sexual reproduction in the planarian *Dugesia ryukyuensis* - Identification of sexualizing-substances -. Planarian Advances (eds. Lamy, C. & Agata, K.). Circular for the participants of the Satellite Meeting in the 79th Ann. Meet. of the Zool. Soc. of Japan (Sept. 5, 2008; Fukuoka, Japan). c/o Dr. Kiyokazu Agata (Dept. Biophys., Grade School Sci., Kyoto Univ.). Kyôto, Japan. (Both in Eng. and Jap.)
mmatsumo@bio.keio.ac.jp ; kazukoba@chem.keio.ac.jp .

Nakagawa, H., Ishizu, H., Kobayashi, K. & Matsumoto, M. Study on *piwi*-like gene expressed in the germline cells in planarian, *Dugesia ryukyuensis*. Abstracts of the 79th Ann. Meet. of the Zool. Soc. of Japan held in Fukuoka, on September 5-7, 2008, p. 92. (Jap.)

Nishimura, K., Kitamura, Y., Taniguchi, T. & Agata, K. Comparative study of function and distribution of DA, 5-HT and GABA in the planarian CNS. Abstracts of the 79th Ann. Meet. of the Zool. Soc. of Japan held in Fukuoka, on September 5-7, 2008, p. 109. (Jap.)

Nodono, H., Kobayashi, K. & Matsumoto, M. Comparative study of acquired sexuals and innate sexuals in planarian, *Dugesia ryukyuensis*. Abstracts of the 79th Ann. Meet. of the Zool. Soc. of Japan held in Fukuoka, on September 5-7, 2008, p. 109. (Jap.)

Ohbayashi, T., Sugiura, S., Kachi, N., Ono, T. & Iwabuchi, K. [A power of resistance for salinity water in *Platydemus manokwari*, an alien invasive land planarian species known as a predator of land snails in the Ogasawara Islands]. Program and Abstracts of the 52nd Ann. Meet. of the Jap. Soc. of Applied Entomol. and Zool. held in Utsunomiya, on March 26-28, 2008, p. 105. (Jap.)

Ohtaka, A. Aim and activities of the Taxonomists Association for Freshwater Animals, Japan (TAFA). *Taxa* (Proc. Jap. Soc. Syst. Zool.), (24): 7-12. (Jap. with Eng. summ.)

Okano, D., Satô, M., Yoshida, W. & Ishida, S. Distribution of the proliferating cells in regenerating two polyclads. Abstracts of the 79th Ann. Meet. of the Zool. Soc. of Japan held in Fukuoka, on September 5-7, 2008, p. 124. (Jap.)

Orii, H. *Djpiwil* and *Djnos* in the planarian *Dugesia japonica*. Planarian Advances (eds. Lamy, C. & Agata, K.). Circular for the participants of the Satellite Meeting in the 79th Ann. Meet. of the Zool. Soc. of Japan (Sept. 5, 2008: Fukuoka, Japan). c/o Dr. Kiyokazu Agata (Dept. Biophys., Grade School Sci., Kyoto Univ.), Kyôto, Japan. (Both in Eng. and Jap.) orii@sci.u-hyogo.ac.jp .

Orii, H., Sugimoto, D., Oda, S. & Watanabe, K. Timing of body patterning during planarian regeneration. Abstracts of the 79th Ann. Meet. of the Zool. Soc. of Japan held in Fukuoka, on September 5-7, 2008, p. 109. (Jap.)

Sasaki, H. & Deguchi, R. Analysis of the initiating mechanism of development in the flatworm *Stylochoplana pusilla*. Abstracts of the 79th Ann. Meet. of the Zool. Soc. of Japan held in Fukuoka, on September 5-7, 2008, p. 78. (Jap.)

Shojima, K., Yukita, K. & Ishida, S. Differentiation of protonephridium from specific alkaline phosphatase expressive cells in gastrula of marine planarian, *Pseudostylochus intermedius*. Abstracts of the 79th Ann. Meet. of the Zool. Soc. of Japan held in Fukuoka, on September 5-7, 2008, p. 109. (Jap.)

Shirasawa, Y., Fujita, K., Ohta, K., Sasaki, Y. & Seo, N. Immunohistological study of the granules in the epidermis and the parenchyma of a land planarian, *Bipalium nobile*. Abstracts of the 79th Ann. Meet. of the Zool. Soc. of Japan held in Fukuoka, on September 5-7, 2008, p. 75. (Jap.)

[**Sluys, R.**] Collections. "In 2006, the ZMA received the last shipments of the world-famous and taxonomically most important Kawakatsu Collection of planarian flatworms. The database provides links between ZMA registration numbers, Kawakatsu's KSL numbers, and his publications." Zoölogisch Museum Amsterdam Annual Report 2006-2007. On p. 19.

Sugiyama, D., Okano, D., Fukushima, M., Ohmori, S., Niinuma, K., Yoshida, W. & Ishida, S. Effects of Bisphenol A on the freshwater planarians. *Bull. Fac. Agric. & Life Sci., Hirosaki Univ.*, (11): 1-19.

Takeda, H., Nishimura, K. & Agata, K. Changes of the number of various neurons in planarian brain during the processes of regeneration and growth. Abstracts of the 79th Ann. Meet. of the Zool. Soc. of Japan held in Fukuoka, on September 5-7, 2008, p. 109. (Jap.)

Taki, Y. Predatory flatworm. *Platydemus manokwari*. In: Japan Wildlife Research Center (ed. and publ.), A Photographic Guide to the Alien Species in Japan (Nihon no Gairai-Seibutsu), p. 249. Heibonsha Publ. Co., Tôkyô. (Jap.)

Tanaka, T. [Histological observation of a freshwater planarian (*Girardia tigrina*) collected in Amagasaki City, Hyôgo Prefecture, Kinki Region, Honshû, Japan]. Tôsho E-net, Kôtô-Gakkô Rika Kyôzai-Kenkyû, Kyôiku-Jôhô, Jisen-Jirei. Seibutsu (August 4, 2008), pp. 1-6. Tôkyô. (Jap.) Reproduction of this web article in Homepage of Amagasaki Oda High School. <http://www.hyogo-c.ed.jp/~amaoda-hs/sshlpdf/planaria.pdf> .

Tsuji, D., Yoshida, W. & Ishida, S. Functional analysis of the germ cell-related genes during polyclad embryogenesis. Abstracts of the 79th Ann. Meet. of the Zool. Soc. of Japan held in Fukuoka, on September 5-7, 2008, p. 81. (Jap.)

Yamamuro, K. [News - November, 2007: *Platydemus manokwari*, an alien inversive species of land planarian, was found on a farming road of Amani-Ôshima Island, Kagoshima Prefecture, Kyûshû, Japan]. (Jap.) Yamamuro's Weblog. <http://www.sybapse.ne.jp/~lidthi/AOC/kaihou/2008.html> .

Kawakatsu's Note. Judging from the attached color photographs of a land planarian in Mr. Yamamuro's Blog, the occurrence of *Platydemus manokwari* de Beauchamp, 1962, in Amani-Ôshima Island (the Satsunan Islands in the Southwest Islands of Japan) seems to be reliable. See the following publications.

Kawakatsu, M., Oki, I., Tamura, S., Itô, H., Nagai, Y., Ogura, K., Shimabukuro, T., Ichinohe, F., Katsumata, H. & Kaneda, L., 1993. An extensive occurrence of a land planarian, *Platydemus manokwari* de Beauchamp, 1962, in the Ryûkyû Islands, Japan (Turbellaria, Tricladida, Terricola). Biol. Inland Waters (Nara), 8: 5-14.

Kawakatsu, M. & Sasaki, G.-Y., 2004. A blank topographical map of Japan, with explanatory maps of the Izu-Ogasawara Islands and the Southwest Islands for the chorological study of planarians. <http://victoriver.com> . Left button: planarian.net mirror No. 43.

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