

MISCELLANEOUS PAPERS ON "TURBELLARIANS"

By

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ARTICLE I

**A LIST OF PUBLICATIONS ON JAPANESE "TURBELLARIANS" (2011)
INCLUDING TITLES OF PUBLICATIONS ON FOREIGN "TURBELLARIANS"
WRITTEN BY THE JAPANESE AUTHORS....**

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In a series of publications, of which this is the forty-third, we have collected and classified chronologically the titles of papers and records with regard to our "Turbellarians", which were published during the year 2011. 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://www.riverwin.jp/pl/> . Left button: planarian.netmirror. See also Left buttons: Miscellaneous 05, 06, 07, 08, 09, 10, 11.

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).

Notice. Kawakatsu's Old Home Page (<http://victoriver.com>) was closed at the end of March, 2012. His new homepage was opened after August, 2012 (<http://www.riverwin.jp/pl/>). All of the web articles contained in the Old HP will be transferred into the New HP by the end of 2012. See also the 'Note for Faubel, A.' in the present web article.

The pdf versions of <A List of Publications on Japanese Turbellarians> (published 2001-2004) are available at Kawakatsu's New Website: <http://www.riverwin.op/pl/> . Left button: Planarian.net mirror. Land planarian indices series: 2001, 2002, 2003, 2004.

For the recent publications of this series (2005, 2006, 2007, 2008, 2009, 2010 and 2011), see the same Website. Left buttons: Miscellaneous 05, Miscellaneous 06, Miscellaneous 07, Miscellaneous 08, Miscellaneous 09, Miscellaneous 09, Miscellaneous 10, Miscellaneous 11.

October 31, 2012. Sapporo and Kisarazu, Japan.

A LIST OF PUBLICATIONS ON JAPANESE “TURBELLARIANS” (2011)

Additional Key to the Japanese Journals

Bulletin of the Graduate Education, Hiroshima University. Hiroshima, Japan.

Departmental Bulletin of the Studies in Sociology, Psychology and Education, Keiô University. Tôkyô, Japan

Journal of Animal Psychology. Tôkyô, Japan.

Kabutogani. Japan Horseshoe Crab Conservation Association (Kasaoka City Horseshoe Crab Museum). Kasaoka (Okayama Pref.), Japan.

Kanagawa Shigen Shiryô. Yokohama, Japan.

Nature Study (Ôsaka Museum of Natural History). Ôsaka, Japan.

Ningen to Shakai no Tankyû (Gendai Shakai to Ningen). Bulletin of the Sociological Study, Keiô University. Tôkyô, Japan.

Society of Evolutionary Studies, Japan, News. Tôkyô, Japan.

Yamanashi Eiken Nenpô. Kôfu (Yamanashi Pref.), Japan.

1996 (Heisei 8-Nen)

Saitoh, O., Yuruzawa, E. & Nakata, H. Identification of planarian serotonin receptor by ligand binding and PCR studies. *Neuroreport*, 8 (1): 173-178.

1999 (Heisei 11-Nen)

Watanabe, S. [Develop the chemical prescription for the study of planarian behavior]. *Jap. Jour. Animal Psychol.*, 49: 157-159. (Jap.)

2000 (Heisei 12-Nen)

Itoh, M. & Igarashi, J. Circadian rhythm of serotonin levels in planarians. *Neuroreport*, 11 (3): 473-476.

Kusayama, T. & Watanabe, S. Reinforcing effects of meta-amphetamine in planarians. *Neuroreport*, 11 (11): 2511-2513.

2001 (Heisei 13-Nen)

Gunma Prefecture, 2001. "Turbellarians": *Dugesia japonica* Ichikawa et Kawakatsu, 1964; *Phagocata vivida* (Ijima et Kaburaki, 1916); *Seidlia auriculata* (Ijima et Kaburaki, 1916). In: [Red List of Animals in Gunma Prefecture]. (Jap.) <http://pref.gunma.jp/04/e2300020.html>

Note. Gunma Prefecture is located in the Kantô Region, Honshû, Japan. A request for the Red List: kanshigen@pdf.gunma.lg.jp

2002 (Heisei 14-Nen)

Kusayama, T. [Preference test after conditioning to morphine in *Dugesia japonica*]. *Depart. Bull. Stud. Sociol., Psychol. Educat., Keiô Univ.*, (54): 69-71. (Jap. with Eng. explanation of figs.)

Kusayama, T. & Watanabe, S. [Effects of chemicals for the behavior of a planarian *Dugesia japonica*]. *Ningen to Shakai no Tankyû* (*Bull. Soc. Stud., Keiô Univ.*), 55: 1-4. (Jap.)

Ogata, K. & Sugi, Y. [Nami-uzumushi (*Dugesia japonica* Ichikawa et Kawakatsu, 1964) found in streams of Fukuoka Prefecture, Kyûshû, Japan]. In: *Fukuoka Institute of Health and Environmental Sciences* (ed.), "[A Guidebook for the Observation of Aquatic Invertebrates in Fukuoka Prefecture]". Pp. (i-iii) + 1-65. Jey. P. Co., Tsukushino. (Jap.)

Note. A color photo of a living specimen of *D. japonica* is printed on p. 35. See also on p. 64 (a list only).

2007 (Heisei 19-Nen)

Nishino, M. [Endemic species of Lake Biwa]. In: Naitô, M., Itô, K., Kumagai, M., Muraji, F., Nishino, M. & Nunotani, T. (eds.), *Biwako Handbook*, 2-1, pp. 66-67. Biwako Environmental Section, Shiga Prefecture, Ôtsu. (Jap.)

Note. *Bdellocephala annandalei* Ijima et Kaburaki, 1916 is mentioned in Dr. Nishino's article of the book.

2008 (Heisei 20-Nen)

Li, M.-H. Effects of nonionic and ionic surfactants on survival, oxidative stress, and cholinesterase activity of planarians. *Chemosphere*, 70: 1796-1803.

Note. The sample (*Dugesia japonica* Ichikawa et Kawakatsu, 1964) was collected from Wulai, Taipei County, Taiwan in 2004.

Ogata, K., Tokunaga, T. & Nakamura, T. [Nami-uzumushi (*Dugesia japonica* Ichikawa et Kawakatsu, 1964), Miyama-uzumushi (*Phagocata vivida* (Ijima et Kaburaki, 1916) and Amerika-tsuno-uzumushi (*Dugesia dorotocephala* (Woodworth, 1897)) found in streams in Fukuoka Prefecture, Kyûshû, Japan]. In: Fukuoka Institute of Health and Environmental Sciences (ed.), “A Guidebook for the Observation of Aquatic Invertebrates Found in Streams in Fukuoka Prefecture / Revised Edition.” Pp. (i-ii) + 1-86. Morita Printing Co., Fukuoka. (Jap.)

2009 (Heisei 21-Nen)

Ishida, S. & Okade, T. Project Y Yodogawa / Pu, pu, Planaria, Kocchi no Mizu wa Tsumetai zo? [A relationship between the occurrence of four planarian species (2 native and 2 exotic ones) and the environmental conditions of natural habitats in the Yodo-gawa River System in Ôsaka Prefecture, Kinki Region, Honshû, Japan]. Nature Study (Ôsaka Museum of Natural History), 55 (11): 7-8. (Jap.)

Okochi, I. Ecological impacts and adaptive management of invasive aliens in the Ogasawara Islalands. Chikyû-Kankyô, 14 (1): 3-8. (Jap.)

Yokohama Environmental Science Research Institute. Yokohama no Kawa to Umi no Seibutsu (Dai 12 Hô Kasen Hen). Gaiyô-Ban. [Organisms Found in Rivers and Sea in Yokohama City (Kantô Region, Honshû, Japan)]: No. 12 (Section Rivers). Summarized Version]. Pp. 1-78. Kankyô-Sôzô-Kyoku, Yokohama City. (Jap.)

2010 (Heisei 22-Nen)

Akutsu, T., Nigorikawa, N. & Muraoka, M., 2010. [Two exotic freshwater planarians (*Girardia tigrina* and *Girardia dorotocephala*) found in rivers in Yokohama City, Kanagawa Prefecture, Kantô Region, Honshû, Japan]. In: “Abstracts of the Kankyô-sôzô-kyoku Shokuin-Gyômu-Kenshû-Kaizen-rei Happyô-kai held in Yokohama, on January 18-19” , 3 pages (without pagination). (Jap.)

Horiuchi, M. Occurrence of exotic planaria from Yamanashi Prefecture, Japan. Yamanashi Eiken Nenpô, (54): 86-87. (Jap. with Eng. title.)

Ishida, S. [Aquatic invertebrates and the environmental water quality --- In the cases of planarians, mud-snails and *Lynceus bififormis* found in the Yodo River system]. In: Tanida, K. (ed.), [Kasen-Kankyô no Shihyô-Seibutsu-Gaku]. Pp. 95-102. Hokuryûkan Publishing Co., Ltd., Tôkyô. (Jap.)

Shimizu, Y. [*Platydemus manokwari* (Nyûginia-yarigata-riku-uzumushi), a natural enemy of land snails in the Ogasawara Islands]. In: Shimizu, Y.: Ogasawara-Shotô ni Manabu Shinka-ron, pp. 168-170. Gijutsu-Hyôron-sha, Tôkyô. (Jap.)

Sudô, K., Hirano, Y. J. & Hirano, Y. M. Newly discovered parasitic Turbellaria of opisthobranch gastropods. Jour. Mar. Biol. Assoc. U.K., 2010 (11): 1-11.

Note. A newly discovered parasitic flatworm (probably a member of the Family Fecampiidae Girard, 1886) from Japan is recorded.

2011 (Heisei 23-Nen)

Biology Research Hall. Curator's (Dr. K. Nakamura) talk with Dr. K. Agata. Seimeishi Journal (BRH Cards 71: Winter, 2011), 2 pages. Takatsuki, Japan. (Jap.)
<http://www.brh.co.jp/seimeishi/> See also the following detailed articles in Japanese.
<http://www.brh.co.jp/seimeishi/is/no71/cards.html>
<http://www.brh.co.jp/seimeishi/is/no71/imgs/main01.jpg>
http://www.brh.co.jp/seimeishi/journal/71/talk_index.html

Chan, J. D. & Marchant, J. S. Pharmacological and functional genetic assays to manipulate regeneration of the planarian *Dugesia japonica*. Jour. Visual. Exper., (54), 3058: 1-4. <http://www.jove.com/video/3058> . DOI: 10.3791/3058.

Chinone, A. & Matsuura, M. Sexual reproduction of triploid planarian. Abstracts of the 82nd Ann. Meet. of the Zool. Soc. of Japan held in Asahikawa, on September 21-23, 2011, p. 117. (Jap.)

Faubel, A. (& Kawakatsu, M.), 2011. HP of Dr. Anno Faubel. Continuation. Kawakatsu's Web Library on Planarians: Jan. 1, 2011. <http://www.riverwin.jp/pl/> . Left button and Links: Dr Faubel HP.

Note. Dr. Faubel's HP was at first transferred into Kawakatsu's old HP. Then, it was transferred again into Kawakatsu's new HP (<http://www.riverwin.jp/pl/>) (after August, 2012). The contents of Dr. Faubel's HP are as follows:

i) Database (Fauna Europea, ERMS, Turbellaria); ii) Projects (Meiobenthos Australia, Deep-sea Angola basin); iii) Taxonomy Turbellaria (Acoela, Macrostromida, Polycladida); iv) Publications; v) Turbellariologists.

In the Reopening Version of Dr. Faubel's HP, the Section (v) written by Faubel & Kawakatsu (2008) was slightly corrected. See also <http://www.riverwin.jp/pl/> . Left button: Turbellariologists.

Forét, S., Seneca, F., De Jong, D., Bieller, A., Hemmrich, G., Augustin, P., Hayward, D. C, Ball, E. E., Bosch, T. C., Agata, K., Hassel, M. & Miller, D. J. Phylogenomics reveals an anomalous distribution of USP genes in metazoans. Mol. Biol. Evol., 28 (1): 153-161.

Hikosaka, T., Koike, K., Yamashita, H., Hikosaka, A. & Koike, K. The methods for observation of uptake of symbiotic algae during oogenesis in *Waminoa* sp. (Acoela). Abstracts of the 82nd Ann. Meet, of the Zool. Soc. of Japan held in Asahikawa, on September 21-23, 2011, p. 128. (Jap.)

Honda, S., Maezawa, T., Nakagawa, H., Agata, K. & Kobayashi, K. Analysis of a putative receptor for D-Tryptophan in the ovarian development of the planarian *Dugesia ryukyuensis*. Abstracts of the 82nd Ann. Meet, of the Zool. Soc. of Japan held in Asahikawa, on September 21-23, 2011, p. 117. (Jap.)

Ishida, S., Yoshida, W., Nishitani, S., Kuznedelov, K. D. & Satô, M. Speciation and the migration routes of Japanese freshwater planarians inferred from the phylogenetic trees, karyotype analysis and morphology. Abstracts of the 82nd Ann. Meet. of the Zool. Soc. of Japan held in Asahikawa, on September 21-23, 2011, p. 134. (Jap.)

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, Continenticola, Geoplanoidea). Additions and corrections of the previous land planarian indices of the world-19. Kawakatsu’s Web Library on Planarians: November 1, 2011. <http://www.riverwin.op/pl/> . Left button: Miscellaneous 11. Pp. 21-46.

Kawakatsu, M., Froehlich, E. M., Jones, H. D., Kawakatsu, M-y. & Kawakatsu, T. Miscellaneous papers on “Turbellarians”. Kawakatsu’s Web Library on Planarians: November 15, 2011. <http://www.riverwin.jp/pl/> . Left button: Miscellaneous 11. Pp. 1-46.

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” (2010)... Including titles of publications on foreign “Turbellarians” written by the Japanese authors.... Kawakatsu’s Web Library on Planarians: November 15, 2011. <http://www.riverwin.jp/pl/> . Left button: Miscellaneous 11. Pp. 1-20.

Kawakatsu, M. & Mitchell, L. The late Dr. Robert Wetsel Mitchell (1933-2010): Over 32-year study of planarians. Kawakatsu’s Web Library on Planarians: December 1, 2011. <http://www.riverwin.jp/pl/> . Left button: Dr Mitchell†. Pp. 1-27.

Kawakatsu, M., Nishino, M., Ohtaka, A. & Yamamoto, K. Exotic planarians now known from Japan. Kawakatsu’s Web Library on Planarians: July 15, 2011. <http://www.riverwin.jp/pl/> . Left button: Matsuyama Rev. Pp. 1-22 + pls I-XIV.

Note. The First Edition (July 15, 2007. Matsuyama Mar 07). Revised thoroughly (July 15, 2011). Photographs and figures (1-53 in pls I-XIV) in the Revised Edition are changed completely.

Kitamura, M., Horiguchi, Y., Hirota, H. & Kobayashi, K. Isolation study of a sex-inducing substance(s) from land planarian *Bipalium nobile*. Abstracts of the 82nd Ann. Meet. of the Zool. Soc. of Japan held in Asahikawa, on September 21-23, 2011, p. 172. (Jap.)

Kobayashi, K. Sex inducing mechanism in the planarian, *Dugesia ryukyuensis*: What is the sexualizing substances? Abstracts of the 82nd Ann. Meet. of the Zool. Soc. of Japan held in Asahikawa, on September 21-23, 2011, p. 64. (Jap.)

Kobayashi, K. & Hoshi, M. Sexual-inducing effect of a hydrophilic fraction on reproductive switching in the planarian *Dugesia ryukyuensis* (Seriata, Tricladida). *Front. Zool.*, 2011, 8: 23.

Kobayashi, K., Nakagawa, H., Maezawa, T., Honda, S. & Orii, H. Marker gene analysis of differentiation of a copulatory apparatus in the planarian *Dugesia ryukyuensis*. Abstracts of the 82nd Ann. Meet. of the Zool. Soc. of Japan held in Asahikawa, on September 21-23, 2011, p. 164. (Jap.)

Maezawa, T., Tanaka, H., Nakagawa, H., Horiike, K. & Kobayashi, K. Functional analysis of D-amino acid oxidase in the ovarian development of the planarian *Dugesia ryukyuensis*. Abstracts of the 82nd Ann. Meet. of the Zool. Soc. of Japan held in Asahikawa, on September 21-23, 2011, p. 117. (Jap.)

Nakagawa, H., Maezawa, T., Honda, S., Umesono, Y., Orii, H., Agata, K. & Kobayashi, K. Positional mechanisms of reproductive organs in sexual induction of planarian *Dugesia ryukyuensis*. Abstracts of the 82nd Ann. Meet. of the Zool. Soc. of Japan held in Asahikawa, on September 21-23, 2011, p. 123. (Jap.)

Hayashi, T., Motoishi, M., Yazawa, S., Itomi, K., Tanegashima, C, Nishimura, O., Agata, K. & Tarui, H. A LIM-homeobox gene is required for differentiation of Wnt-expressing cells at the posterior end of the planarian body. *Development*, 138 (17): 3679-3688.

Nishida, S. [A hot spot of horseshoe crabs. Report of investigation for horseshoe crabs at Indonesia]. *Kabutogani* (Japan Horseshoe Crab Conservation Association), July, 2011: 12-23. (Jap.)

Nishimura, K., Inoue, T., Yoshimoto, K., Taniguchi, T., Kitamura, Y. & Agata, K. Regeneration of dopaminergic neurons after 6-hydroxydopamine-induced lesion in planarian brain. *Jour. Neurochem.*, 119 (6): 1217-1231.

Nishino, M, [Biwa-ô-uzumushi *Bdellocephala annandalei* Ijima et Kaburaki, 1916 (Vulnerable (VU)); Ebiyadori-tsunomushi *Scutariella japonica* Matsjašič, 1990 (Near Threatened (NT))]. *Shiga-Ken de Taisetsu ni subeki Yasei-Seibutsu*. Shiga-Ken Red Data Book (2010). Red Data Book of Shiga Prefecture, 2010, pp. 565-566, 571. Sunrise Publ. Co., Hikone. (Jap.)

Nodono, H. & Matsumoto, M. Observation of seasonal change of reproductive mode and inbreeding experiment in the planarian *Dugesia ryukyuensis*. Abstracts of the 82nd Ann. Meet. of the Zool. Soc. of Japan held in Asahikawa, on September 21-23, 2011, p. 96. (Jap.)

Okano, D. & Ishida, S. Intestinal structure and distribution analysis of the proliferating cells during regeneration in the polyclad, *Notoplana humilis*. Abstracts of the 82nd Ann. Meet. of the Zool. Soc. of Japan held in Asahikawa, on September 21-23, 2011, p. 127. (Jap.)

Osawa, S. [My reminiscent talks: From a boy of insect lover to the molecular biologist]. Soc. Evolut. Stud. Jap. News, 12 (2): 2-16; 12 (3): 15-37. (Jap.)

Sasano, K., Hanashima, A., Bao, Y., Nakauchi, Y. & Kimura, S. Searching for connectin-like protein in *Dugesia japonica*. Abstracts of the 82nd Ann. Meet. of the Zool. Soc. of Japan held in Asahikawa, on September 21-23, 2011, p. 107. (Jap.)

Shiga, K., Miyagi, Y., Tanaka, N. & Miyazato, Y. [A distribution survey of native and exotic freshwater planarians in Okinawa Island, Japan]. Shinpô-Science Club, Ryûkyû Shinpô. A single page with 4 photos. (Jap.) [mhtml://F:\新報サイエンスクラブ](mailto:F:\新報サイエンスクラブ)

Note. For a detailed explanation of this report by high school students of Okinawa and the related problems, see Kawakatsu, Nishino, Ogatata, Kuranishi, Kobayashi & Ohtaka (2012: 2-a. Okinawa in the Southwest Islands of Japan). Kawakatsu's Web Library on Planarians: December 15, 2012. <http://www.riverwin.jp/pl/>. Left button: *Girardia*.

Shirasawa, Y., Oota, K., Shinoda, A. & Seo, N. Regeneration of the adhesive organ in the land planarian *Bipalium nobile*. Abstracts of the 82nd Ann. Meet. of the Zool. Soc. of Japan held in Asahikawa, on September 21-23, 2011, p. 151. (Jap.)

Tasaki, J., Shibata, N., Nishimura, O., Itomi, K., Tabata, Y., Son, F., Suzuki, N., Araki, R., Abe, M., Agata, K. & Umesono, Y. ERK signaling controls blastema cell differentiation during planarian regeneration. Development, 138 (12): 2417-2427.

Tasaki, J., Shibata, N., Sakurai, T., Agata, K. & Umesono, Y. Role of c-Jun N-terminal kinase activation in blastema formation during planarian regeneration. Dev. Growth. Differ., 53 (3): 389-400.

Timoshkin, O. A. Index of Animal Species Inhabiting Lake Baikal and Its Catchment Area. Volume II. Basins and Channels in South of East Siberia and North Mongolia. Book 2. Editor-in-Chief: Dr. Oleg A. Timoshkin. Russian Academy of Sciences, Siberian Division, Limnological Institute. 2010-2011. NAUKA, Novosibirsk.

Note. This Book contains 3 important articles on Lake Biwa "Turbellarians", Japan. See the following web article. Kawakatsu's Web Library on Planarians: November 15, 2011. <http://www.riverwin.jp/pl/>. Left button: Miscellaneous 11. Pp. 8-9. Dr. Timoshkin's Bulky Russian Book: 2010-2011.

Tomikawa, K. & Torigoe, K. The first record of an exotic species *Girardia tigrina* (Plathelminthes, Tricladida) from Hiroshima Prefecture, Japan. Bull. Grad. Educ., Hiroshima Univ., Part 2, (60): 21-32. (Jap. with Eng. summ.)

Torii, T., Saitou, K. & Himura, M. Benthic macro-invertebrate fauna of the Sagami River system, and cluster analysis for grasping the river ecosystem on basin scale. Kanagawa Shizen Shiryô, (32): 91-100. (Jap. with Eng. summ.)

Umesono, Y., Tasaki, J., Nishimura, K., Inoue, K. & Agata, K. Regeneration in an evolutionally primitive brain - the planarian *Dugesia japonica* model. Eur. Jour. Neurosci., 34 (6): 863-869.

Wu, J.-P., Chen, H.-C. & Li, M.-H. The preferential accumulation of cadmium in the head portion of the freshwater planarian, *Dugesia japonica* (Platyhelminthes: Turbellaria). Metallomics, 2011, 3: 1368-1375. <http://www.rsc.org/metallomics> .

Note. *Dugesia japonica* samples used were collected from the Nanshi River in Wulai, northern Taiwan.

Yamamoto, H. & Agata, K. Optic chiasm formation in planarian. I: Cooperative netrin- and robo-mediated signals are required for the early stage of optic chiasm formation. Dev. Growth Differ., 53 (3): 300-311.

Yamazaki, M. *Girardia dorocephala*. mhtml:file://F:\C Girardia dorocephala-YouTube.mht

Note. This author wrote as follows in English: “*Girardia dorocephala* is one of non-native freshwater flat-worms (Turbellaria) in Japan. This zooid was collected in an artificial stream around the Lake Biwa”.

Kawakatsu pointed out that this record is very doubtful. Cf. Kawakatsu, Nishino, Ogata+ , Kuranishi, Kobayashi & Ohtaka, 2012, PART II-2-e, Kawakatsu’s Note 6). Kawakatsu’s Web Library on Planarian: October 15, 2012. <http://www.riverwin.jp/pl/> . Left button: Girardia.

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