MISCELLANEOUS PAPERS ON "TURBELLARIANS"

By

MASAHARU KAWAKATSU, EUDÓXIA MARIA FROEHLICH, HUGH D. JONES, MIYUKI KAWAKATSU and TETSUYA KAWAKATSU

ARTICLE I

A LIST OF PUBLICATIONS ON JAPANESE "TURBELLARIANS" (2006) .... 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 thirty-ninth, we have collected and classified chronologically the titles of papers and records with regard to our Turbellarians, which were published during the year 2006. 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 our website. http://planarian.net . See also Kawakatsu's new website. http://victoriver.com .

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 now in preparation.

July 1, 2007. Sapporo and Kisarazu, Japan.

****

A LIST OF PUBLICATIONS ON JAPANESE "TURBELLARIANS" (2006)

Additional Key to the Japanese Journals

Annual Report of Ogasawara Research. Tokyo Metropolitan University. Hachiôji, Tôkyô-to.

Kaizuka City Museum of Natural History. Shizen-Yûgakukan Dayori. Kaizuka, Ôsaka Prefecture.

Kawakatsu's Original Site. Kawakatsu's Web Library on Planarians. http://victoriver.com .
Supervisor: Masaharu Kawakatsu, Sapporo, Japan;
Webmaster: Tetsuya Kawakatsu, Kisarazu, Japan.

Tôkyô-to Kankyô-Gyôsei- Kôryû-Kaishi. Tôkyô-to.

1996 (Heisei 8 Nen)

Yamada, T. [Platyhelminthes: Paludicola: Planariidae and Dugesiidae]. NT: *Polycelis (Seidlia) auriculata* Ijima et Kaburaki, 1916; *Phagocata vivida* (Ijima et Kaburaki, 1916); *Dugesia japonica* Ichikawa et Kawakatsu, 1964. In: Saitama Red Data Book - Saitama-ken Kishô-Yasei-Seibutsu Chôsa-Hôkoku-Sho Dôbutsu-hen -, pp. 296-299. Shizen-Hogo-ka, Kankyô-bu, Saitama Prefecture. Urawa. (Jap.)

Note. The correct scientific name for the first species in the book is *Seidlia auriculata* (Ijima et Kaburaki, 1916). The original author (Dr. T. Yamada) also employed the names of *Polycelis sapporo* and *Polycelis schmidti* in the text. Their scientific names are as follows:

Polycelis (Polycelis) sapporo (Ijima et Kaburaki, 1916)
Seidlia schmidti (Zabusov, 1916)

2000 (Heisei 12 Nen)

Nishino, M. [*Scutariella japonica*]. [Species of Shiga in Need of Protection] (Shiga-ken de Taisetsu ni subeki Yasei-Seibutsu 2002 Nen-ban), p. 150; CD-ROM: *Scutariella japonica* (with a color photograph). Shizen-hogo-ka, Biwako-Kankyô-bu, Shiga Pref., Ôtsu. (Jap.)

2002 (Heisei 14 Nen)

Yamada, T. [Platyhelminthes: Paludicola: Planariidae and Dugesiidae]. NT: *Polycelis (Seidlia) auriculata* Ijima et Kaburaki, 1916; *Phagocata vivida* (Ijima et Kaburaki, 1916); *Dugesia japonica* Ichikawa et Kawakatsu, 1964. In: Kaitei Saitama-ken Red Data Book 2002: Dôbutsu Hen (=Animals), pp. 230-232. Yasei-Seibutsu, Midori-Shigen-ka, Kankyô-Bôsai-bu, Saitama Prefecture. Urawa. (Jap.) URLs for the 3 'Near Threatened Species' listed in the present book are as follows:

http://www.pref.saitama.lg.jp/A09/BA30/labo/BDDS/redlist/ data/Polycelisauriculata
http://www.pref.saitama.lg.jp/A09/BA30/labo/BDDS/redlist/ data/Phagocatavivida
http://www.pref.saitama.lg.jp/A09/BA30/labo/BDDS/redlist/ data/Dugesiajaponica

Note. The correct scientific name for the first species in the book is *Seidlia auriculata* (Ijima et Kaburaki, 1916).

2003 (Heisei 15 Nen)

Kawakatsu, M. Suborder Tricladida (Infraorders Maricola, Paludicola, Terricola) and Cavernicola. In: Union of Japanese Societies for Systematic Biology (ed.), Japanese Biota Species Number Survey, 1st Ed. http://bunrui.info/shusuu.html . (Both in Jap. and Eng.)

Kawakatsu, M. & Tajika, K.-I. Order Temnocephalida. In: Union of Japanese Societies for Systematic Biology (ed.), Japanese Biota Species Number Survey, 1st Ed.
http://bunrui.info/shusuu.html . (Both in Jap. and Eng.)

2004 (Heisei 16 Nen)

Hekinan City Homepage. [Hekinan Kaihin Suizoku-kan. Exhibition of planarians] (after 22 Nov. 2003). / [Planarians found in our aquaria is a North American species: *Girardia dorotocephala* (Woodworth, 1897)] (after 5 Feb. 2004 Mr. Masuda]).
http://www.city.hekinan.aichi.jp/aquarium/index.html . (Jap.)

[Iwasaki, K. & Kubota, S.]. [Platyhelminthes Tricladida Terricola: Rhynchodemidae - Rhynchodeminae and Bipaliidae]. In: [A List of Exotic Invertebrates]. (Jap.)
http://www003.upp.so-net.ne.jp/consecol/alien_web/mu_sekitui/shyumei_list.html .

Nishino, M. & Niwa, N. [Invasion of an alien freshwater shrimp *Neocaridina denticulata sinensis*? to Lake Biwa]. Ohmia (Lake Biwa Res. Inst. News), (80): 3. (Jap.)

Niwa, N. & Ohtaka, A. Accidental introduction of symbionts with imported freshwater shrimps. Program and Abstracts of the International Conference on Assessment and Control of Biological Invasion Risks held in Yokohama, on August 26-29, 2004: 60.

Ohtaka, A. [Crayfish worms (Annelida, Clitellata, Branchiobdellida): their geographical distribution and ecology]. Umiush-Tsûshin, (42): 2-4. (Jap.)

2005 (Heisei 17 Nen)

Nishino, M. & Niwa, N. [Exotic populations of Chinese and Korean *Neocaridina denticulata* group found in Japan]. Program of the 52nd Ann. Meet. of the Ecol. Soc. of Japan held in Ôsaka, on March 27-30, 2005: 50. (Jap.)

Niwa, N. [Introduction of my lecture given at the International Conference on the Assessment and Control of Biological Inversion Risks (2004)]. Program of the 8th Ann. Meet. of the Hyôgo Biological Society held in Kôbe, on December 12, 2004. Hyogo Biol., 13 (1): 85. (Jap. with Eng. summ.)

Niwa, N. & Nishino, M. [Introduction of Korean and Chinese freshwater shrimps into Japan for live baits in leisure fishings]. Program and Abstracts for the Ann. Meet. of the Japanese Soc. of Fisheries Sci. held in Tôkyô, on Mar. 31-Apr. 4, 2005: 276. (Jap.)

Sluys, R. & Kawakatsu, M. Biodiversity of marine planarians revisted (Platyhelminthes, Tricladida, Maricola). Jour. Nat. Hist., 36 (6): 445-467.

2006 (Heisei 18 Nen)

Agata, K. [Fourteen years close association with planarians: My strategy for the exploitation of a new experimental material]. A lecture given at the Public Lecture of the Kinki Branch of the Zool. Soc. of Japan held in Kôbe, on November 19, 2005. Biol. Sci. News, No. 411: 19 (z-19). (Jap.)

The Asahi (Asahi-Shinbun). [Miss Seira Shimoyama (Urawa Girls High School, Saitama Pref.) received the First Award of Zoology and the Award of the China Association and Technology at the International Science and Engineering Fair (ISEF), 2006 held in Indianapolis, Indiana, U.S.A., on May 7-13, 2006]. Title: Glycogen induces extension of pharynx during feeding in planarians. May 13, 2006 (Saturday). Both Morning and Evening Eds. (Jap.) Cf. Miscellaneous 06. P. 7.

http://victoriver.com .

Batistoni, R., Mannini. L., Rossi, L., Salvetti, A., Gremigni, V. & Deri, P. A role for two msh/msx-like genes during regeneration in planarians. Ber. nat.-med. Verein Innsbruck (Suppl. 16) 10th ISFB, p. 25. *Dugesia japonica* Ichikawa et Kawakatsu, 1964 was used.

Brusa, F. Macrostomida (Platyhelminthes: Rhabditophora) from Argentina, with descriptions of *Macrostomum* and of stylet ultrastructure. Zool. Sci., Tôkyô, 23: 853-862.

Fukushima, M., Hashizume, T., Yoshida, W. & Ishida, S. Detection of testosterone in fresh water planarians and the change of the level in sexual worms with ELISA method. Program of the 77th Ann. Meet. of the Zool. Soc. of Japan held in Matsue, on September 21-24, 2006, p. 100. (Jap.) English abstract of this lecture is printed in Zool. Sci., Tôkyô, 23: 1218.

Hori, I. Effects of retinoic acid on regeneration of the planarian *Dugesia japonica*. Ber. nat.-med. Verein Innsbruck (Suppl. 16) 10th ISFB, p. 49.

Ishida, S., Fukushima, M., Tatebayashi, F., Morikawa, M., Yamazaki, M., Hanata, K., Orii, H. & Yoshida, W. The intestinal cells have pluripotency in *Pseudostylochus intermedius* (Polycladida). Ber. nat.-med. Verein Innsbruck (Suppl. 16) 10th ISFB, p. 50.

JT Biohistory Research Hall (BRH). [Oh! Brain. Studies by the Dr. K. Agata's team]. BRH Card 49. http://brain.brh.co.jp .

Kaizuka City Museum of Natural History. [Gift Sample: A bipaliid species from Mr. 1. Hamaya]. Shzen-Yûgakukan Dayori (Kaizuka City Mus. Nat. Hist.), (39): 17. (Jap.)

Kawakatsu, M. [Entry in the Threatened Wildlife of Japan -Red Data Book 2nd Ed.-, 7]. CR+EN: *Ectoplana limuli* (Ijima et Kaburaki, 1916); *Dugesia izuensis* Katô, 1943; *Phagocata papillifera* (Ijima et Kaburaki, 1916); *Dendrocoelopsis kishidai* Kawakatsu, 1978. VU: *Phagocata albata* Ichikawa et Kawakatsu, 1962; *Phagocata suginoi* Kawakatsu, 1974; *Phagocata tenella* Ichikawa et Kawakatsu, 1963. In: Ministry of the Environment of Japan (ed.), "Threatened Wildlife of Japan - Red Data Book 2nd Ed. -, vol. 7, Invertebrata (except Insecta and Mollusca)", pp. 25-28, 35-37. For a color photo of a living specimen of *Ph. papillifera*, see Prefatory Color Page (pl. 1), middle-right. Japan Wildlife Research Center, Tôkyô. (Jap.)

Note. The official date of publication of the book was shown as January 2006. Thus, its publication date is specified as January 31, 2006. Cf. ICZN, 4th Ed., 1999. Art. 21.3.1.

A threatened species (CR + EN), *Tachypleus tridentatus* (Leach, 1819), written by Dr. K. Sekiguchi (on p. 29) is also shown in this copy. The horseshoe crab is a host animal of *E. limuli*.

Kawakatsu, M., Froehlich, E. M., Jones, H. D., Ogren†, R. E., Takai, M. & Sasaki, G.-Y. Miscellaneous papers on "Turbellarians". Bull. Fuji Women's Univ., (43), II: 77-98. For the digital version, see 'Miscellaneous 05'. http://victoriver.com .

Kawakatsu, M., Froehlich, E. M., Jones, H. D. & Sasaki, G.-Y. 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 - 14. Kawakatsu's Web Library on Planarians: Dec. 25, 2006. Miscellaneous 06 - ARTICLE II: 9-28. http://victoriver.com .

Kawakatsu, M., Froehlich, E. M., Jones, H. D., Sasaki, G.-Y., Kawakatsu, M.-y. & Kawakatsu, T. Miscellaneous papers on "Turbellarians". http://victoriver.com .

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

Kawakatsu, M., Sasaki, G.-Y., Kawakatsu, M.-y. & Kawakatsu, T. ARTICLE I. A list of publications on Japanese "Turbellarians" (2006) - Including titles of publications on foreign " Turbellarians" written by the Japanese authors -. Kawakatsu's Web Library on Planarians: Dec. 25, 2006. Miscellaneous 06 - ARTICLE I: 1-8. http://victoriver.com .

Kobayashi, K., Arioka, S., Hoshi, M. & Matsumoto, M. Experimental transition from fissiparous to oviparous form in the triclad *Dugesia ryukyuensis*. Ber. nat.-med. Verein Innsbruck (Supp. 16) 10th ISFB, p. 56.

Koike, A. [Study Nature, Not Books]. Pls. 1-16 + 1-235 pp. Private Publication. (Jap.) Shin'ei-Numata-Type-Insatsu Co., Numata.

Matsumoto, M. [Regeneration of germ cells in a planarian *Dugesia ryukyuensis*]. Program of the 77th Ann. Meet. of the Zool. Soc. of Japan held in Matsue, on September 21-24, 2006, p. 130. (Jap.)

Matsumoto, M., Kobayashi, K. & Hoshi, M. The planarian neoblast as totipotent stem cell. Zool. Sci., Tôkyô, 23: 1149.

Note. This is an English abstract of a lecture given at the Narishige Zoological Science Symposium: Diversification of Strategies for Regeneration among the Animal Kingdom. See Matsumoto, M. Coauthors may be added.

Minegishi, H. [Acoela flatworm found in aquarium for coral culture]. Program of the 42nd Ann. Meet. of the Jap. Soc. of the System. Zool. held in Tôkyô, on June 3-4, p. 2. (Jap.)

Minegishi, H. [Acoela flatworm found in aquarium for coral culture]. Taxa, (21): 46. (Jap.) By title only.

The Ministry of the Environment, Japan / Section of Wild Animals and Plants, Office of the Natural Protection. In: Red List (Revised). The Invertebrates (Other than Mollusca and Insecta). [Information. Red List. The Other Invertebrates, with A List of 136 Species]. December 23, 2006. (Jap.)

http://www.env.go.jp/press/press.php?serial=7849 .
http://www.env.go.jp/press/file_view.php?serial=8932&hou_id=7849 .

Kawakatsu's Note. This Red List includes 8 triclad species classified into 2 categories. CR+EN: *Ectoplana limuli* (Ijima et Kaburaki, 1916); *Dugesia izuensis* (Katô, 1943); *Phagocata papillifera* (Ijima et Kaburaki, 1916); *Dendrocoelopsis kishidai* Kawakatsu, 1978; *Bdellocephala annandalei* Ijima et Kaburaki, 1916. VU: *Phagocata albata* Ichikawa et Kawakatsu, 1962; *Phagocata suginoi* Kawakatsu, 1974; *Phagocata tenella* Ichikawa et Kawakatsu, 1963.

A threatened species (CR+EN), *Tachypleus tridentatus* (Leach, 1819), is also included. The

horseshoe crab is a host animal of *E. limuli*.

Morikawa, M., Ishibashi, T., Yoshida, W. & Ishida, S. [Expression of PiFoxF in the embryo of a Polyclad *Pseudostylochus intermedius* and the differentiation of muscle cells]. Title of a lecture given at the Annual Meeting of the Tôhoku Branch of the Zool. Soc. of Japan held in Hirosaki, on July 30, 2005. Biol. Sci. News, No. 411: 18 (z-18). (Jap.)

Naumova, T. V., Navikova, O. A. & Timoshkin, O. A. Zoogeographical analysis of the distribution of *Bdellocephala* species (Plathelminthes, Tricladida: Paludicola). Hydrobiologia, 568: 177-181.

Navikova, O. A., Naumova, T. V. & Timoshkin, O. A. Karyotypes and current approaches to the systematics of endemic Baikal representatives of *Bdellocephala* genus (Turbellaria, Dendrocoelidae). Hydrobiologia, 568: 183-191.

Nishitani, S.-i., Ishida, S., Yoshida, W. & Teshirogi, W. Polyploids and chromosomal evolution in the freshwater planarian, *Seidlia auriculata.* Ber. nat.-med. Verein Innsbruck (Suppl. 16) 10th ISFB, p. 70.

Niwa, N. [The present condition of Chinese crayfish worms found from imported living specimens of freshwater shrimps (*Neocaridina denticulata* group) in the Sugo River, Hyôgo Prefecture, Kinki Region, Honshû, Japan]. Program of the 9th Ann. Meet. of the Hyôgo Biol Soc. held in Kôbe, on December 11, 2005. Hyogo Biol., 13 (2): 48. (Jap.)

Niwa, N. Ecological observation of crayfish worm found from exotic freshwater shrimps (*Neocaridina denticulata* group) of the Sugo River, Hyôgo Prefecture, Japan (Preliminary Report 2). Program of the 44th Ann. Meet. of the Carcinol. Soc. of Japan held in Hakodate, on October 14, 2006. Lectur No. 03. (Jap.)

Niwa, N. & Ohtaka, A. Accidental introduction of symbionts with imported freshwater shrimps. In: Koike, F., Clout, M. N., Kawamichi, M., De Poorter, M. & Iwasaki, K. (eds.), Assessment and Control of Biological Invasion Risks, pp. 182-186. Kyôto, Japan.

Nunomura, N., Suma, Y., Hirauchi, Y., Asama, S., Ishii, K., Ishikawa, K., Shiba, M., Homura, S., Negoro, S., Satô, H., Tsurusaki, N., Ishizuka, K. & Nakamura, O. [Soil animals found in "Satoyama" (a farming land with secondary forest) in Toyama City, Hokuriku in the Chûbu Region, Honshû, Japan]. In: Satoyama no Shizen-Kankyô-Chôsa Hôkokusho, II. Plants, Animals and Others. Toyama Science Museum. (Jap.)

Ohbayashi, T. [Endemic land snails of the Ogasawara Islands are now open to the menace of an exotic land planarian species: *Platydemus manokwari* de Beauchamp, 1962]. Ann. Rep. Ogasawara Research (Tokyo Metropolitan Univ.), (2): 23-33 (+ a blank unnumbered page) + 35 (color page). (Jap.)

Ohbayashi, T. [The present condition and counterplan for the control of a predator of endemic land snails in the Ogasawara Islands: *Platydemus manokwari* de Beauchamp, 1962]. Tôkyô-to Kankyô-Gyôsei-Kôryû Kaishi, (29): 41-44. (Jap.)

Okada, T., Amimoto, M., Kawata, Y. & Masuo, T. [Observation of learning in planarians].

Title of lectures given at the Chûgoku-Shikoku Branch of the Three Biological Societies held in Matsuyama, on May 20-21, 2006. Biol. Sci. News, No. 420: 25 (z-99). By title only. (Jap.)

Orii, H. Characterization of stem cells in the planarian *Dugesia japonica.* Ber. nat.-med. Verein Innsbruck (Suppl. 16) 10th ISFB, p. 71.

Orii, H. & Watanabe, K. Planarian dorso-ventral patterning by DjBMP. Program of the 77th Ann. Meet. of the Zool. Soc. of Japan held in Matsue, on September 21-24, 2006, p. 47. (Jap.) English abstract of this lecture is printed in Zool. Sci., Tôkyô, 23: 1179.

Saino, N., Sai, J., Naito, N., Sasaki, R. & Nakauchi, Y. Localization and diversity of connection (Titin)-like proteins of freshwater planarians. Program of the 77th Ann. Meet. of the Zool. Soc. of Japan held in Matsue, on September 21-24, 2006, p. 45. (Jap.) English abstract of this lecture is printed in Zool. Sci., Tôkyô, 23: 1166.

Seo, N., Yoshihama, I., Shirasawa, Y., Sasaki, Y., Yamaguchi, K. & Furuta, E. Non-self recognition of isolated cells of terrestrial planarian, *Bipalium nobile*, in vitro. Program of the 77th Ann. Meet. of the Zool. Soc. of Japan held in Matsue, on September 21-24, 2006, p. 109. (Jap.) English abstract of this lecture is printed in Zool. Sci., Tôkyô, 23: 1204.

Shirasawa, Y., Yoshihama, I., Sasaki, Y. & Seo, N. Studies on the epidermal secretory granules of a land planarian, *Bipalium nobile* 2. Program of the 77th Ann. Meet. of the Zool. Soc. of Japan held in Matsue, on September 21-24, 2006, p. 36. (Jap.) English abstract of this lecture is printed in Zool. Sci., Tôkyô, 23: 1159.

Shojima, K., Yukita, K. & Ishida, S. The differentiation process of the protonephridium from specific alkaline phosphatase expressive cells during embryogenesis of the polyclad *Pseudo-stylochus intermedius*. Ber. nat.-med. Verein Innsbruck (Suppl. 16) 10th ISFB, p. 88.

Sluys, R. & Kawakatsu, M. Towards a phylogenetic classification of dendrocoelid freshwater planarians (Platyhelminthes): a morphological and eclectic approach. Jour. Zool. Syst. Evol. Res., 44: 274-284.

Sluys, R., Kawakatsu, M. & Bleeker, J. The Kawakatsu Collection incorporated within the collections of the Zoological Museum Amsterdam. Bel. nat.-med. Verein Innsbruck (Suppl. 16) 10th ISFB, p. 89.

Sugiura, H. & Okochi, I. High predation by an introduced flatworm on land snails on the Ogasawara Islands. Biotropica, 38 (5) : 700-703.

Timoshkin, O. A., Grygier, M. J., Nishino, M., Wada, E., Genkal, S. I., Biserov, V. I., Gagarin, V. G., Semernoy, V. P., Jankowski, A. W., Stepanjants, S. D., Tsalolikhin, S. Y., Starobogatov, Y. I., Alexeev, V. R., Sitnikova, T. Y., Tuzovskij, P. V., Okuneva, G. L., Sheveleva, N. G., Pomazkova, G. I., Arov, I. V., Mazepova, G. F., Janz, H., Obolkina, L. A., Chernyshev, A. V., Morino, H., Nakai, K., Matsuda, M., Ohtsuka, T., Kawakatsu, M., Maehata, M., Masuda, Y., Takemon, Y., Tanida, K., Kusuoka, Y., Yahiro, K., Hirasawa, R., Tuji, A., Kusuoka, Y., Kameda, K., Ishida, T., Itoh, T., Ichise, S., Wakabayashi, T., Okubo, I., Seki, S., Nagasawa, K., Ogawa, K. & Masunaga, K. Biodiversity of Lake Biwa: New discoveries and future potential. Berlin. Paläobiol. Abhandl., 9 (SIAL 4): 61. Berlin, 2006.

Note. The first abstract of this study was published in the Program and Abstracts of the ICAL'97 held in Shiga, Japan. It is as follows:

Timoshkin, O. A., Wada, E., Kawakatsu, M., Nakai, K. & Nishino, M., 1979. Biodiversity of Lake Biwa: New discoveries and prospects for research. ICAL' 97 Program & Abstracts, pp. 95 (in English) and 96 (in Japanese). Cf. Kawakatsu, M., 1998. A List of Publications on Japanese Turbellarians (1997), etc., pp. 71-72. Bull. Fuji Women's College, (36), II: 67-74.

Umesono, Y. Brain regeneration of the planarian, *Dugesia japonica*. Ber. nat.-med.Verein Innsbruck (Suppl. 16) 10th ISFB, p. 95.

Watanabe, K., Nojima, K., Kobayashi, K. & Matsumoto, M. Effects of the cosmic ray on the regeneration and the reproduction with planarian. Program of the 77th Ann. Meet. of the Zool. Soc. of Japan held in Matsue, on September 21-24, 2006, p. 84. (Jap.) English abstract of this lecture is printed in Zool. Sci., Tôkyô, 23: 1227.

Yamamoto, K. [Freshwater and land planarians from the Simabara Peninsula, Kyûshû]. In: Nagasaki-ken Seibutsu-Gakkai – 'Unzen-dake no Seibutsu' Ed., "Unzen-dake no Seibutsu" (Flora and Fauna of Mt. Unzen, Nagasaki Prefecture, Kyûshû, Japan), pp. 61-65. Nagasaki-Shinbun-sha, Nagasaki. (Jap.)

Yamano, H., Takaku, M., Fujii, T., Nakamura, T., Yoshida, W. & Ishida, S. Expression of *Vasa* and *Nanos* homologue in regenerating the marine planarian Polyclad. Program of the 77th Ann. Meet. of the Zool. Soc. of Japan held in Matsue, on September 21-24, 2006, p. 47. (Jap.) English abstract of this lecture is printed in Zool. Sci., Tôkyô, 23: 1179.

The Yomiuri (Yomiuri-Shinbun). [Miss Seira Shimoyama (Urawa Girls High School, Saitama Pref.) received a Prize of the Minister of Education, Science and Sports for her study: Glycogen induces extension of pharynx during feeding in planarians]. January 19, 2006 (Thursday). (Jap.)

Yoshida, W., Yamaya, H., Owada, M., Shinozaki, Y. & Ishida, S. Expression pattern of anterior *HOM/HOX* genes during embryogenesis in Polyclads. Ber. nat.-med. Verein Innsbruck (Suppl. 16) 10th ISFB, p. 101.

Zaitseva, E. P., Mizandrontsev, I. B. & Timoshkin, O. A. Postembryonic development and growth dynamics of *Baikalobia guttata* (Gerstfeldt, 1858) (Plathelminthes): First report on the life cycle of endemic Tricladida from Lake Baikal. Hydrobiologia, 568: 239-245.

Note. Life cycle of several species of Japanese freshwater planarians is mentioned based upon the published data from the Kawakatsu's team.

* *

Corrections of the Scientific Names, Their Authors' Names and Related Taxonomic Papers in an Article Published in the Recent Issue of the Zoological Science, Japan

The following paper on the karyology of Brazilian freshwater planarians was published in Japan. It is as follows:

Knakievicz, T., Lau, A. H., Prá, D. & Erdtmann, G., 2007. Biogeography and karyotypes of freshwater planarians (Platyhelminthes, Tricladida, Paludicola) in Southern Brazil. Zool. Sci. (Tôkyô), 24: 123-129. Key words: B chromosomes, karyotypes, mixoploidy, polyploidy, taxonomy.

The samples examined of the freshwater planarians are shown in the Introduction (on p. 123) as follows:

"Six species of planarians have been identified in Rio Grande do Sul (Southern Brazil): *Girardia (Cura) schubarti* (Marcus, 1946), *Girardia tigrina* (Girard, 1850), *Girardia anderlani* (Kawakatsu et al., 1983), *Girardia uroriograndeana* (Kawakatsu et al., 1992), *Girardia arndti* (Marcus, 1946), and *Girardia biapertura* (Sluys, et. al., 1997)".

Descriptions in their list of Brazilian freshwater planarians offend against the International Code of Zoological Nomenclature, 4th Ed., 1999. The relational Articles are cited as in the following.

> **Art. 6.1. Names of subgenera. Recom. 6A. Undesirable interpolation of ceratain genus-group names in binomina or trinomina**. No genus-group name other than a valid subgeneric name should be interpolated between a generic name and a specific name, even in square brackets or parentheses. An author who desires to refer to a former generic combination should do so in some explicit form such as "*Branchiostoma lanceolatum* [formerly in *Amphioxus*]".
>
> **Art. 50.1. Identity of authors. Recom. 50A. Multiple authors.** When a name is proposed in a multi-authored work, but only one (or some) of the authors is (are) directly responsible for the name and satisfying the criteria that make the name available, then the author(s) directly responsible should be identified explicitly. Co-authors of the whole work who have not had such direct responsibility for the name should not automatically be included as authors of the name. Etc.
>
> **Art. 51.1. Optional use of names of authors.** The name of the author does not form part of the name of a taxon and its citation is optional, although customary and often advisable.
>
> **Recom. 51A. Citation of author and date.** The original author and date of a name should be cited at least once in each work dealing with a taxon denoted by that name. This is especially important in distinguishing between homonyms and in identifying species-group names which are not in their original combinations. If the surname and forename(s) of an author are liable to be confused, these should be distinguished as in scientific bibliographies.
>
> **Art. 51.2. Form of citation of authorship. Recom. 51C. Citation of multiple authors.** When three or more joint authors have been responsible for a name, then the citation of the name of the authors may be expressed by use of the term *"et al."* following the name of the first author, provided that all authors of the name are cited in full else-where in the same work, either in the text or in a bibliographic reference.

Art. 51.3. Use of parentheses around authors' names (and dates) in changed combinations. When a species-group name is combined with a generic name other than the original one, the name of the author of the species-group name, if cited, is to be enclosed in parentheses (the date, if cited, is to be enclosed within the same parentheses).

A. Corrected Scientific Names with Author'(s) Name(s) of 6 Freshwater Planarian Species from Rio Grande do Sul, Brazil, and Related Publications

Six species listed in Knakievicz, Lau, Prá & Erdtmann (2007: 123) are rearranged according to the alphabetical order of the specific names.

Girardia anderlani (Kawakatsu et Hauser, 1983) (cf. Kawakatsu, Hauser, Friedrich, Oki, Tamura & Yamayoshi, 1983). The literature is shorten as ".... (cf. Kawakatsu et al., 1983)".
Girardia arndti (Marcus, 1946)
Girardia biapertura Sluys, 1997 (cf. Sluys, Hauser & Wirth, 1997). The literature is shorten as ".... (cf. Sluys et al.)".
Girardia schubarti (Marcus, 1946)
Girardia tigrina (Girard, 1850)
Girardia ururiograndeana (Kawakatsu, Hauser et Ponce de Léon, 1992).

Note. The specific name "*uroriograndeana*" found in Knakievicz, Lau, Prá & Erdtmann (2007) is a spelling error; *ururiograndeana* is correct.

References

Girard, C., 1850. A brief account of the fresh-water planariae of the United States. Proc. Boston Soc. Nat. Hist., 3: 264-265.

Kawakatsu, M., Hauser, J., Friedrich, E. M. G., Oki, I., Tamura, S. & Yamayoshi, T., 1983. Morphological, karyological and taxonomic studies of freshwater planarians from South Brazil. IV. *Dugesia anderlani* sp. nov. (Turbellaria, Tricladida, Paludicola), a new species from São Leopoldo in Estado de Rio Grande do Sul. Annot. Zool. Japon., 56: 196-208.

Kawakatsu, M., Hauser, J. & Ponce de León, R., 1992. Freshwater planarians from Uruguay and Rio Grande do Sul, Brazil: *Dugesia ururiograndeana* sp. nov. and *Dugesia tigrina* (Girard, 1850) (Turbellaria: Tricladida: Paludicola). Bull. Biogeogr. Soc. Japan, 47: 33-50.

Sluys, R., Hauser, J. & Wirth, Q. J., 1997. Deviation from the groundplan: a unique new species of freshwater planarian from South Brazil (Platyhelminthes, Tricladida, Paludicola). Jour. Zool. Lond., 241: 593-601.

Marcus, E., 1946. Sôbre Turbellaria Brasileiros. Boll. Fac. Filos. Ciênc. Letr. Univ. São Paulo, Zoologia, (11): 5-254 (+ pls. 1-31).

B. Corrected Scientific Names with Author'(s) Names of 10 Freshwater Planarian Species Cited in the 'Introduction' (except for 6 Species from Rio Grande do Sul) and the 'Discussion'

Ten species cited in Knakievicz, Lau, Prá & Erdimann (2007: 123, 127-128) are rearranged according to the alphabetical order of the specific names.

Dugesia benazzii Lepori, 1951
Note. The specific name "*benazi*" is a spelling error.
Dugesia etrusca Benazzi, 1944
Note. The specific name "*estrusca*" is a spelling error.
Dugesia gonocephala (Dugès, 1830)
Dugesia japonica Ichikawa et Kawakatsu, 1964
Dugesia ryukyuensis Kawakatsu, 1976
Girardia anceps (Kenk, 1930)
Schmidtea lugubris (Schmidt, 1861)
Schmidtea polychroa (Schmidt, 1861)
Polycelis nigra (Müller, 1774)*
Polycelis tenuis Ijima, 1884**

Note. The following classifications are also used for 2 species.

**Polycelis (Polycelis) nigra* (Müller, 1774)
** *Polycelis (Ijimia) tenuis* Ijima, 1884

****

Addresses of the Authors:

Dr. Masaharu KAWAKATSU, 9jô 9chôme 1-8, Shinkotoni, Kita-ku, Sapporo (Hokkaidô) 001-0909, Japan.
Tel & Fax (International: +81 11 762 4450); (Domestic: 011 762 4450).
E-mail (Miss Miyuki Kawakatsu): DQA01524@nifty.ne.jp . (The 4th character is "zero", not the letter 0.)

Dr. Eudoxia Maria FROEHLICH, Professor of Zoology, Emeritus, Departamento de Zoologia, Instituto de Biociências, Universidade de São Paulo, Rua do Matão, Travessa 14, No. 101, Butantã - São Paulo - SP – 05508 900, Brasil.
Tel: International: +55 11 3091 7513 / Fax (International: +55 11 3091-7802). E-mail: emfroeh@ib.usp.br .
Home address: Al. J. E. de Lima, 1095/102, CEP 01403-003, São Paulo, SP-Brasil.
Website URL http: //www.ib.usp.br/pesquisa/froehlich.htm .

Dr. Hugh D. JONES, Honorary Lecturer, University of Manchester; Scientific Associate of the Natural History Museum, London.
Home address: 6 off Hayfield Road, Birch Vale, High Peak, SK22 1DG, UK. Tel: (International +44 1663 745438); (Domestic 01663 745438). Email: flatworm@btopenworld.com .

Miss Miyuki KAWAKATSU. Home address: Tel. and E-mail: The Same as Dr. M. KAWAKATSU.

Mr. Tetsuya KAWAKATSU. Home address: Hachimandai 5-33-12, Kisarazu 292-0814, Japan.
Tel: (Domestic: 0438-37-7274; 090-4095-3140). E-mail: traviq@jcom.home.ne.jp . tetsuya@victoriver.com .

****

September 15, 2007.