

A LIST OF PUBLICATIONS ON JAPANESE TURBELLARIANS (1998)INCLUDING TITLES OF PUBLICATIONS ON FOREIGN TURBELLARIANS WRITTEN BY THE JAPANESE AUTHORS

Compiled and Annotated by

MASAHARU KAWAKATSU and MASAYUKI TAKAI

日本産渦虫類文献目録 (1998) — 外国産渦虫類に関する邦人著作を含む —

川 勝 正 治・高 井 成 幸 (編著)

In a series of publications, of which this is the thirty-first, we have collected and classified chronologically the titles of papers and records with regard to our Turbellarians, which were published during the year 1998 (Part I). As usual we have added the English titles of Japanese papers which have none of any foreign language.

As the Part II of this publication, we have added explanatory remarks on two Japanese books on planarians: the first book is published by the members of the Hirosaki (Dr. Teshirogi's) team in 1987; the second book was published by the Hirosaki and Himeji (Dr. Watanabe's) teams in 1998. We have also added an explanatory note (including some additions and corrections) for the 1998 reports entitled "The 1996 Biwako Prize for Ecology (published by the Shiga Prefectural Government, Japan).

July 1, 1999. Sapporo and Saga, Japan.

PART I

A LIST OF PUBLICATIONS ON JAPANESE TURBELLARIANS (1998)

Additional Key to the Japanese Journals
国内雑誌一覧表

秋田桂城短期大学 紀要. 秋田桂城短期大学. 大館.
The Bulletin of Akita Keijo Junior College. Ōdate.

Molecular Medicine. 中山書店. 東京. A monthly publication from the Nakayama Shoten Co. Tōkyō

細胞工学. 秀潤社, 東京. Cell. Technology. Shūjūnsha Co., Ltd., Tōkyō.

1991 (平成3年)

Ōtsu, T. Platyhelminthes Turbellaria Tricladida. In: Ōtsu, T. (ed), "A Checklist of Terrestrial and Freshwater Animals in Yamagata Prefecture", p. 64. (Jap.) 大津 高. 扁形動物門 渦虫綱 三岐腸目. 大津 高 編, 山形県産陸産淡水産動物目録, 64頁. 淡水産4種 (ナミウズムシ, ミヤマウズムシ, カズメウズムシ, イズミオオウズムシ) と陸産2種 (クロコウガイビル, ミスジコウガイビル) があげられている. 亜属 "*Seidulia*" は *Seidlia* が正しい. *Bipatium trilineatum* は疑問種. ...川勝.

1993 (平成5年)

Grygier, M. J. Japanese zoological nomenclature. Amer. Ass. for Zoological Nomenclature, for September 1993: 5-8. Although this is not a turbellarian paper, the contents are very useful for the understanding of the Japanese common names of animals including macroscopic planarians. ...Kawakatsu.

1995 (平成7年)

Agata, K. Evolution of molecular network of anterior-posterior axis formation. Cell. Technol., Tōkyō, 14 (12): 1389-1393. (Jap.) 阿形清彦. 前後軸形成の遺伝子ネットワークはどこまで普遍的なのか. 特集 発生を遺伝子進化から考える. 細胞工学, 14巻, 12号, 1389-1393頁.

Umesono, Y. & Agata, K. [The universality and diversity in the head formation]. Cell Technol., Tōkyō, 14 (12): 1394-1399. (Jap.) 梅園良彦・阿形清和. 頭部形態形成における普遍性と多様性. 特集 発生を遺伝子進化から考える. 細胞工学, 14巻, 12号1394-1399頁.

1996 (平成8年)

Agata, K. Molecular aspect of brain evolution. *Molec. Med.*, 33 (6): 692-696. (Jap.) 阿形清和. 脳はどのようにして進化したのか—遺伝子の進化からみた新しい脳の研究のアプローチ. 特集 脳をつくる—神経系の形成と発生. *Molecular Medicine*, 33巻, 6号, 692-696頁.

Agata, K. & Tsuchihashi, T. [An Experimental Guide Book for Children: Planarians as an Immortal Animal]. Pp. 1-45. Iwanami-Shoten Publ. Co., Ltd., Tôkyô. (Jap.) 阿形清和 (文)・土橋とし子 (絵). 切っても切ってもプラナリア. 1-45頁. 科学で遊ぼう, 4巻. 岩波書店, 東京.

Agata, K. Shibata, N. Stem cell system of Invertebrates. *Cell Technol.*, 16 (12): 1790-1798. (Jap.) 阿形清和・柴田典人. 個体の再生産のための幹細胞システム—ヒドラ, プラナリア, ホヤの場合—. 特集 幹細胞システム. *細胞工学*, 16巻, 12号, 1790-1798頁.

Hikosaka, A. (Katayama, T.). Flatworm. <http://www.ipc.hiroshima-u.ac.jp/~akirahs/flatworm.html> 3 pages with 4 color photographs: *Dugesia japonica*, *Planocera multitentaculata*, *Convoluta naikaiensis*, *Dicyema orientale*. (Jap.) 彦坂暁 (及び片山智恵). ヒラムシのページ (最終更新日 1997. 1. 30). 上記インターネット, 3頁分.

1998 (平成10年)

Agata, K., Soejima, Y., Kato, K., Kobayashi, C., Umesono, Y. & Watanabe, K. Structure of the planarian central nervous system (CNS) revealed by neuronal cell markers. *Zool. Sci.*, Tôkyô, 15: 433-440 + cover photographs in color (explanation on the front page).

Azuma, K., Iwasaki, N. & Ohtsu, K. Absorption spectra of planarian rhodopsin and two states of metarhodopsin intermediates. Program of the 69th Ann. Meet. of the Zool. Soc. of Japan held in Hiroshima, on September 26-28, 1998, p. 81 (Jap.) 東 克・岩崎尚彦. プラナリアロドプシンの吸収スペクトルとメタロドプシンの二つの状態. 日本動物学会第69回大会 (広島, 平成10年9月26-28日) 予稿集, 81頁. English abstract of this lecture is printed in *Zool. Sci.*, 15-Suppl., p. 81.

Carranza, S., Ruiz-Trillo, I., Littlewood, D. T. J., Riutort, M. & Baguña, J. A reappraisal of the phylogenetic and taxonomic position of land planarians (Platyhelminthes, Turbellaria, Tricladida) inferred from 18S rDNA sequence. *Pedobiologia*, 42: 433-440. The three Japanese freshwater planarian species are included in the "Maximum-likelihood tree of Terricola and Dugesidae" (fig. 1). ... Kawakatsu.

Chernyshev, A. V., Timoshkin, O. A. & Kawakatsu, M. *Prostoma ohmiense* sp. nov., a new species of freshwater nemertean from Lake Biwa-ko, Central Japan, with special reference to the taxonomy and distribution of the known species in the genus *Prostoma* Dugès, 1828 (Enopla, Hoplonemertea, Monostylifera, Tetrastemmatidae). *Bull. Fuji Women's College*, (36), II: 51-66. This is not a turbellarian paper. ... Kawakatsu. 和文標題: アレクセイ

V. チェルニシエフ・オレグ A. チモシュキン・川勝正治. 琵琶湖産淡水棲ヒモムシの1新種記載及び *Prostoma* 属の既知種の分類学的・分布学的再検討.

Grygier, M. J. & Timoshkin, O. A. The faunal diversity of Lake Biwa has been drastically underestimated. Program of the 34th Ann. Meet. of the Jap. Soc. of Systematic Zoology held in Odawara, on April 4-5, 1988, p. 15.

Grygier, M. J. & Timoshkin, O. A. The faunal diversity of Lake Biwa has been drastically underestimated. *Taxa* (Jap. Soc. Syst. Zool.), (5): 23. (Jap.) Grygier, M. J.・Timoshkin, O. A. 琵琶湖動物相の多様性は極めて過小評価されてきた. タクサー—日本動物分類学会誌, 5号, 23頁.

Hikosaka-Katayama, T. Orii, H., Yoshida, A., Agata, K., Yamamoto, M. & Watanabe, K. Cloning of a homologue of *dpp/bmp2/bmp4* and its expression in the acoel turbellarian, *Convoluta naikaiensis*. Program of the 69th Ann. Meet. of the Zool. Soc. of Japan held in Hiroshima, on September 26-28, 1998, p. 55. (Jap.) 彦坂-片山智恵・織井秀之・吉田 歩・阿形清和・山本雅道・渡邊憲二. 扁形動物無腸目 *Convoluta naikaiensis* における *dpp/bmp2/bmp4* 相同遺伝子のクローニング. 日本動物学会第69回大会 (広島, 平成10年9月26-28日) 予稿集, 55頁. English abstract of this paper is printed in *Zool. Sci.*, 15-Suppl., p. 70.

Hori, I., Hikosaka-Katayama, T. & Kishida, Y. Fine structure and regeneration of the epidermis in an acoel turbellarian *Convoluta naikaiensis*. Program of the 69th Ann. Meet. of the Zool. Soc. of Japan held in Hiroshima, on September 26-28, 1998, p. 123. 堀 功・彦坂-片山智恵・岸田嘉一. 無腸類 *Convoluta naikaiensis* の表皮の微細構造と再生. 日本動物学会第69回大会 (広島, 平成10年9月26-28日) 予稿集, 23頁. English abstract of this lecture is printed in *Zool. Sci.*, 15-Suppl., p. 87.

Hori, I. & Kishida, Y. A fine structural study of regeneration after fission in the planarian *Dugesia japonica*. *Hydrobiologia*, 383: 131-136.

Ishida, S., Fujii, T. & Hotta, S. Studies on the regenerative capacity of marine planarian Polyclads. Program of the 69th Ann. Meet. of the Zool. Soc. of Japan held in Hiroshima, on September 26-28, 1998, p. 57. (Jap.) 石田幸子・藤井 武・堀田早喜子. 海産プラナリア多岐腸類の再生能に関する研究. 日本動物学会第69回大会 (広島, 平成10年9月26-28日) 予稿集, 57頁. English abstract of this lecture is printed in *Zool. Sci.*, 15-Suppl., p. 78.

Kamiyama, T., Goto, T. & Ishida, S. Lithium induces fusion embryos in marine planarian Polyclad and starfish. Program of the 69th Ann. Meet. of the Zool. Soc. of Japan held in Hiroshima, on September 26-28, 1998, p. 56. (Jap.) 神山貴達・後藤春樹・石田幸子. 塩化リチウム処理による融合胚の形成. 日本動物学会第69回大会 (広島, 平成10年9月26-28日) 予稿集, 56頁. English abstract of this lecture is printed in *Zool. Sci.*, 15-Suppl., p. 79.

Kanagawa Prefectural Hiratsuka-Minami High School. Saitô, T. & Takashi, M. (eds.), "Report on the Water Quality and the Aquatic Fauna of Hiratsuka City and its Vicinity." Prefatory color page + i - iii + 1-72 pp. Published by Kanagawa Prefectural Hiratsuka-Minami High School. Kôhan-Insatsu Printing Co., Ltd., Hiratsuka. (Jap.) *Dugesia japonica* is recorded. Kawakatsu. 神奈川県立平塚南高等学校. 斎藤隆政・高梨征雄 編 "西丹沢および平塚周辺河川の水質と水生動物の調査報告書". 巻頭原色写真頁 + (i - iii) + 1 - 72頁. 神奈川県立平塚南高等学校 発行. 興版印刷株式会社, 平塚.

Kawakatsu, M. Kawakatsu's letter addressed to the editor of the Semicentennial Anthology by Graduates of Kyôto Normal School in the class of 1949. Warera Shimei 24, pp. 89-90. Hashimoto Printing Co., Kyôto. (Jap.) 川勝正治. 今を生きる 最近の私と研究. われら紫明24 (京都師範学校 昭和24年卒業 50周年記念誌), 89-90頁.

Kawakatsu, M. A list of publication on Japanese Turbellarians (1997) — Including titles of publications on foreign Turbellarians written by Japanese authors —. Bull. Fuji Women's College, (36), II: 67-73. (Both in Eng. and Jap.) 川勝正治. 日本産渦虫類文献目録 (1997) — 外国産渦虫類に関する邦人著作を含む —. 藤女子大学・藤女子短期大学紀要, 36号, II部, 67-73頁 (+ 図版 I).

Kawakatsu, M. Plathelminthes: Turbellaria; Nemeritea: Ecnemertea: Monostylifera: Prosorhochmidae. In: Environmental Agency of the Prime Minister's Office (ed.), "A List of Japanese Wild Species of Plants and Animals: Invertebrates III", Chapt. 42 and 43 (Other than Marine Species), pp. 19-24. Published by the Research Center of Natural Environment, Tôkyô. 川勝正治. 扁形動物門・ウズムシ綱 (渦虫綱); ヒモ形 (紐形) 動物門・ハリヒモムシ綱・ハリヒモムシ目. 環境庁 編, "日本産野生動物目録 — 本邦産野生動物の種の現状 —. 無脊椎動物編 III (42), 19-22頁; (43), 23-24頁. 財団法人 自然環境研究センター 発行, 東京.

Kawakatsu's Note. This is one of the basic data for the Japanese Red Data Book of Endangered Species: The Invertebrates (First ed., 1991; Revised ed., in preparation). In the section 'Turbellaria' 96 species (including several subspecies) are listed. In the section 'Nemeritea' one species is listed.

Sixty new Japanese names were given for various groups of taxa (35 families, 10 subfamilies and 15 species). For Japanese names, Dr. Grygier's article published in 1993 is most important (see, p. 77 of this publication).

Kawakatsu, M. & Mitchell, R. W. Redescription of a North American freshwater planarian, *Seidlia remota* (Smith, 1988), with taxonomic notes on *Seidlia* and *Polycelis* species from the Far East and Central Asia (Turbellaria, Seriata, Tricladida, Paludicola). Bull. Fuji Women's College, (36), II: 95-110. 和文標題: 川勝正治・ロバート W. ミッチェル. 北米合衆国産淡水棲三岐腸類 *Seidlia*

remota の再記載, 及び極東と中央アジア地域の *Seidlia* 属と *Polycelis* 属の種の分類学的整理.

Kawakatsu, M., Murayama, H., Yamamoto, K. & Yoneyama, N. Distribution records of *Bipalium nobile* in Japan (Turbellaria, Tricladida, Seriata, Terricola). Shibukitsubo, (19): 25-32. (Jap. with Eng. summ.) 川勝正治・村山均・山本清彦・米山昇. オオミスジコウガイビルの分布記録. しぶきつぼ (にいがた貝友会誌), 19号, 25-32頁.

Kawakatsu, M. & Ogren, R. E. Preprint of papers given at OECD Workshop on Terrestrial Flatworms, Christchurch, New Zealand, February 19-20, 1998. Occ. Publ., Biol. Lab. Fuji Women's College, Sapporo (Hokkaidô), Japan, (30): 1-8.

Kawakatsu, M. & Ogren, R. E. The Asian fauna of land planarians, with special reference to taxonomic revision of several homonyms in the genus *Bipalium*, family Bipaliidae. OECD Terrestrial Flatworm Workshop, Programme & Abstracts (Zool. Dept., Univ. of Canterbury, Christchurch, New Zealand, 16-20 Feb. 1998), p. 5.

Kawakatsu, M. & Ogren, R. E. The Asian land planarian fauna (Tricladida: Terricola). Pedobiologia, 42 (5-6): 452-456.

Kawakatsu, M., Ogren, R. E. & Froehlich, E. M. The taxonomic revision of several homonyms in the genus *Bipalium*, family Bipaliidae (Turbellaria, Seriata, Tricladida, Terricola). Bull. Fuji Women's College, (36), II: 83-93. 和文標題: 川勝正治・ロバート E. オグレン・ユードキシア M. フローリッヒ. コウガイビル科 *Bipalium* 属の異物同名数種の分類学的訂正と新属の記載.

Kawakatsu, M., Ogren, R. E., Sluys, R. & Winsor, L. A proposal to the members of the OECD Workshop from four taxonomists. The distribution material for the participants, p. 4.

Kawakatsu's Note. This is not a publication. Our proposal is as follows: "Concerning the Linnean name of *Australoplana sanguinea* var. *alba* (Dendy, 1891).... At present we consider that the use of *Australoplana sanguinea alba* (Dendy, 1891) is the best. Removal of the word "var." from the scientific name of this species is desirable."

Kawakatsu, M. & Timoshkin, O. A. The geographical distribution of *Polycelis (Polycelis) sapporo* and *Seidlia schmidti* in the Far East. Hydrobiologia, 383: 307-313.

Kobayashi, C., Kobayashi, S., Orii, H., Watanabe, K. & Agata, K. Identification of two distinct muscles in the planarian *Dugesia japonica* by their expression of myosin heavy chain genes. Zool. Sci., Tôkyô, 15: 861-869.

Kobayashi, K., Koyanagi, R., Matsumoto, M., Ogiso, M. & Hoshi, M. Sexualizing substance(s) in the planarians. Program of the 69th Ann. Meet. of the Zool. Soc. of Japan held in Hiroshima, on September 26-28, 1998, p. 57. (Jap.) 小林一也・小柳亮・松本緑・小木曾学・星元紀. プラナリアにおける性誘導物質に

ついて。日本動物学会第69回大会(広島,平成10年9月26-28日)予稿集,57頁。English abstract of this lecture is printed in Zool. Sci., 15-Suppl., p. 79.

Kobayashi, K., Koyanagi, R., Matsumoto, M. & Hoshi, M. Switching from asexual to sexual reproduction in the planarian *Dugesia ryukyensis*. The 8th Internat. Congress on Invertebrate Devel. and Reproduc. at the Free Univ. of Amsterdam., August 10-11, 1998. Program/Abstracts, p. 87.

The Kôbe (Kôbe-Shinbun). [A body plan in animals — from planarians to the mankind and robots —]. May 24 (Monday) and 25 (Tuesday). 神戸新聞。学問ビッグバン 体の設計図, 上: ハエとヒトの意外な共通性 人間中心主義揺さぶる 構造が決めるホメオボックス; 下: 人工の世界まで貫くかたち カンブリア紀既に原型 プラナリアからロボットへ。平成10年5月24日(月曜日), 同25日(火曜日)。

Koike, A. Occurrence of a black-colored land planarian species (*Bipalium fuscatum*?) at Numata, Gunma Prefecture, Honshû, Japan. Shibukitsubo, (19): 33-36. (Jap. with Eng. summ.) 小池 渥。クロイロコウガイビル (*Bipalium fuscatum*?) 沼田に生息。しぶきつば (にいがた貝友会誌), 19号, 33-36頁。日本産渦虫類文献目録 (1997) の70頁参照。…川勝。

Koyanagi, R., Kobayashi, K., Matsumoto, M. & Hoshi, M. Search for genes involved in sexualization in the planarian, *Dugesia ryukyensis*. Program of the 69th Ann. Meet. of the Zool. Soc. of Japan held in Hiroshima, on September 26-28, 1998, p. 56. (Jap.) 小柳 亮・小林一也・松本 緑・星 元紀。プラナリアの有性生殖誘導中に発現する遺伝子の探索。日本動物学会第69回大会(広島,平成10年9月26-28日)予稿集,56頁。English abstract of this lecture is printed in Zool. Sci., 15-Suppl., p. 78.

Minekishi, H. [Morphological variations of the Acoela (Turbellaria) from different habitats]. Program of the 34th Ann. Meet. of the Jap. Soc. of Systematic Zoology held in Odawara, on April 4-5, 1988, p. 3. (Jap.) 峯岸秀雄。Acoela (無腸目渦虫) 各種の棲所による形態の相違。日本動物分類学会第34回大会(小田原,平成10年4月4-5日)講演要旨集,3頁。

Minekishi, H. [Morphological variations of the Acoela (Turbellaria) from different habitats]. Taxa (Jap. Soc. Syst. Zool.), (5): 17. (Jap.) 峯岸秀雄。Acoela (無腸目渦虫) 各種の棲所による形態の相違。タクサー日本動物分類学会誌一, 5号, 17頁。

Murayama, H. [Editorial note]. Shibukitsubo (Bull. Niigata Shell Club), (19): 67. (Jap.) 村山 均。編集後記。しぶきつば (にいがた貝友会誌), 19号, 67頁。

The Nigata Nippô. A giant land planarian species was found in Ojiya, Nigata Prefecture, Honshû, Japan. The Nigata Nippô, Evening ed., July 24, Friday. (Jap.) 新潟日報。大ミミズ? 実はプラナリア。小千谷で数十匹発見。夕刊。平成10年7月24日(金曜日)。

Kawakatsu's note. After this news item was appeared, Mr. H. Murayama (who visited the Ojiya locality with the science reporter - Mr. K. Ebisu) received telephone messages from many subscribers about new localities of the large-sized land planarian species. These new distribution records were published by Kawakatsu, Murayama, Yamamoto & Yoneyama (1998, Shibukitsubo, no. 19: 25-32); see also Murayama & Kawakatsu (1999, *Ibid*, no. 20: 39-42).

Nishitani, S.-I., Niimura, F., Ishida, S. & Tshirogi, W. Chromosomal polymorphism of a freshwater planarian, *Polycelis auriculata* in Mt. Apoi and its adjacent area, Hokkaido. Program of the 69th Ann. Meet. of the Zool. Soc. of Japan held in Hiroshima, on September 26-28, 1998, p. 33. (Jap.) 西谷新一郎・新村文男・石田幸子・手代木 渉。北海道アポイ岳周辺における淡水棲プラナリアの一種, カズメウズムシの染色体多型。日本動物学会第69回大会(広島,平成10年9月26-28日)予稿集,33頁。English abstract of this lecture is printed in Zool. Sci., 15-Suppl., p. 41.

Numomura, N. [The aquatic Invertebrates of the Itachigawa River, Toyama Pref. (1995-97)]. In: Reports of the Natural Environment of the Itachigawa River, Toyama Pref. (1995-97), pp. 63-72. Published by the Toyama Science Museum, Toyama. (Jap.) Several species of freshwater planarians are recorded (*Dugesia japonica*, *Phagocata* sp., *Bdellocephala* sp.).…Kawakatsu. 布村 昇。いたち川の無脊椎動物 (1995-97)。いたち川自然観察調査報告 (1995-97), 67-72頁。富山市科学文化センター発行。富山。

Numomura, N. & Hirauchi, Y. [Soil animals found in the Toyama City Family Park, Toyama Prefecture, Honshû, Japan]. In: A General Report on the Natural Environment of the Toyama City Family Park", pp. 111-128. Published by the Public Corporation of the Toyama City Family Park, Toyama. (Jap.) 布村 昇・平内好子。ファミリーパーク地内の土壤動物・貝類・プランクトン類。ファミリーパーク地内自然環境総合調査報告, 111-128頁。財団法人 富山市ファミリーパーク公社。富山。

Ogawa, K., Wakayama, A., Kunisada, T., Orii, H., Watanabe, K. & Agata, K. Identification of a receptor tyrosine kinase involved in germ cell differentiation in planarians. Biochem. Biophys. Res. Commun., 248: 204-209.

Ogren, R. E. & Kawakatsu, M. The American Nearctic and Neotropical faunas of land planarian. OECD Terrestrial Flatworm Workshop, Programme & Abstracts (Zool. Dept., Univ. of Canterbury, Christchurch, New Zealand, 16-20 Feb. 1998), p. 4.

Ogren, R. E. & Kawakatsu, M. American Nearctic and Neotropical land planarian (Tricladida: Terricola) faunas. Pedobiologia, 42 (5-6): 441-451.

Ogren, R. E., & Kawakatsu, M. & Froehlich, E. M. Additions and corrections of the previous land planarian indices of the world (Turbellaria, Seriata, Tricladida,

Terricola). Addendum IV. Geographic locus index: Bipaliidae; Rhynchodemidae (Rhynchodeminae; Microplaninae); Geoplanidae (Geoplaninae; Caenoplaninae; Pelmatoplaninae). Errata. Occ. Publ., Biol. Lab. Fuji Women's Collge, Sapporo (Hokkaidô), Japan, (31): 1-4.

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Timoshkin, O. A. Awardee's lecture (I). Faunistic diversity of the most ancient lacustrine ecosystem in the world (Lake Baikal): State-of-the-art and prospects for research." In: Secretariat of Biwako Prize for Ecology, Department of Planning and Public Life, Shiga Prefectural Government, (ed.), "Report of the 1996 Biwako Prize for Ecology", pp. 21-58. For "Prize Recipient Profile", see pp. 1-2. Published by the Shiga Prefectural Government, Ōtsu, Japan. (Eng.) For this booklet (English Version), see the section "Part II" of this publication (p. 84).… Kawakatsu and Takai.

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Yamamoto, K. Distribution records of two land planarian species (*Bipalium nobile* and *Bipalium kewense*) in Nagayo-chō, Nagasaki Prefecture, Kyūsyū, Japan. Junshin Chūgakkō = Junshin Joshi Kōtōgakkō Kiyō, No. 25: 69-76 (+ pls. 1-4). (Jap.) 山本清彦. 長与町の淡水棲プラナリア, 陸棲プラナリアの分布. 純心中学校・純心女子高等学校紀要, 25号, 69-76頁 (+ 図版1-4). 種類は, *Dugesia japonica*, *Bipalium nobile*, *Bipalium kewense* である. …川勝.

PART II

TWO JAPANESE TEXT BOOKS ON PLANARIANS PUBLISHED BY THE MEMBERS OF THE HIROSAKI (DR. TESHIROGI'S) AND HIMEJI (DR. WATANABE'S) TEAMS

The first book was published in 1987 (TESHIROGI & ISHIDA, 10 Chapters and an Appendix). The second book was published in 1998 (TESHIROGI & WATANABE, eds., 15 Chapters written by 16 authors). For the explanation of the nature of these technical text books written in Japanese, the titles of each book, chapters and their authors, and the publication data will be given below both in Japanese and English. Only the official English titles are given on the back of the title pages of each book. Thus, KAWAKATSU-and-TAKAI's English translations of the subtitles for each chapter and the authors' names will also be given below.

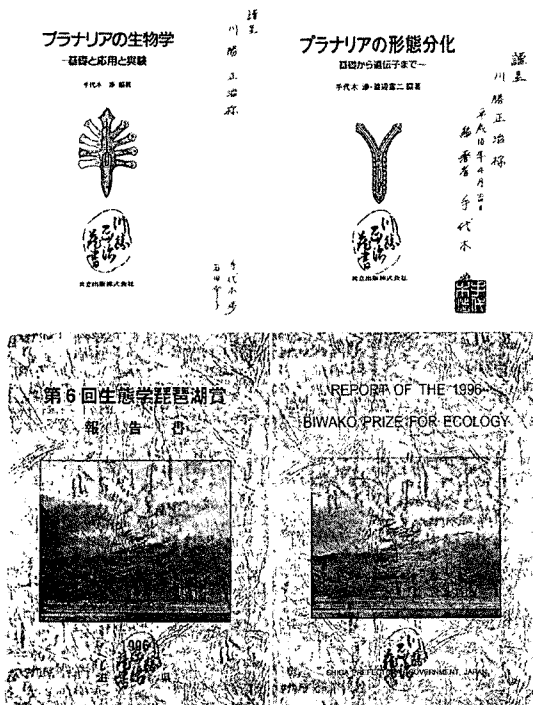
手代木 渉・石田幸子 (編著). プラナリアの生物学—基礎と応用と実験—. i-viii + 1-190頁 + 奥付きほか. 共立出版株式会社, 東京. 初版: 昭和62年 (1987) 6月5日発行. (本書のタイトルページ, Fig. 1 上左: 255mm × 180mm).

1. プラナリアの学習と記憶の移転 (1-9頁: 手代木);
2. 種類と生態 (10-35頁: 手代木);
3. 体制とその特徴 (36-47頁: 石田);
4. 再生と生理勾配 (48-64頁: 手代木);
5. 新生細胞と再生芽びに組織・器官の形成 (65-83頁: 手代木);
6. 再生における誘導と抑制 (84-99頁: 手代木);
7. プラナリアの再生における生化学 (100-111頁: 石田);
8. 解離細胞の培養 (112-121頁: 手代木);
9. 再生と癌 (122-131頁: 手代木);
10. 発生と分化 (132-151頁: 手代木・石田);

付録 採集・飼育・観察・実験法 (152-183頁: 手代木・石田); 主な参考書 (184-185頁); 索引 (187-190頁); Memorandum (4頁分) + 奥付き.

TESHIROGI, W. & ISHIDA, S., 1987. Biology of Planarians — Foundation, Application & Experiment —. Pp. i-viii + 1-190 + the end pages. Kyōritsu Shuppan Co., Tōkyō. See Fig. 1, top-left: 255mm × 180mm.

1. Learning in planarians and the memory transformation (pp. 1-9 by TESHIROGI).
2. Species and ecology (pp. 10-35 by TESHIROGI).
3. Body structure and its characters (pp. 36-37 by ISHIDA).
4. Regeneration and the physiolog-



Figs. 1 (top) and 2 (bottom). Reduced photographs showing the title pages of the Two Japanese Textbooks on Planarians (top) and the covers of the Reports on the 1996 Biwako Prize for Ecology (bottom). Top-left: TESHIROGI & ISHIDA, 1987; top-right: TESHIROGI & WATANABE (eds.), 1998. Bottom-left: the Japanese Version; bottom-right: the English Version. For the other explanations, see the text.

ical gradient (pp. 48-64 by TESHIROGI). 5. Neoblasts, regeneration blastema and the formation of tissues and organs (pp. 65-83 by TESHIROGI). 6. Induction and inhibition in the regeneration processes (pp. 84-99 by TESHIROGI); 7. Biochemistry in planarian regeneration (pp. 100-111 by ISHIDA); A culture of dissociated cells (pp. 112-121 by TESHIROGI). 9. Regeneration and cancer (pp. 122-131 by TESHIROGI). 10. Development and differentiation (pp. 132-151 by TESHIROGI & ISHIDA). Appendix: Collecting, culture, observation, and experiments of planarians (pp. 152-183 by TESHIROGI & ISHIDA). Principal literature (pp. 184-185). Index (pp. 187-190). Four blank sheets of Memorandum and the end page.

手代木 渉・渡邊憲二 (編者)。プラナリアの形態分化—基礎から遺伝子まで—。i-xiii+1-310頁+奥付き。共立出版株式会社、東京。初版：平成10年(1998)3月25日発行。(本書のタイトルページ, Fig.1左:255mm×180mm)。

1. 淡水生プラナリアの種類と分布・生態 (1-28頁:

新村・手代木・古田・相川); 2. 淡水生プラナリアの核型と染色体進化 (29-41頁:西谷); 3. 淡水生プラナリアの無性生殖と生理勾配 (42-54頁:手代木・篠澤・石田); 4. 再生と生理勾配説 (55-76頁:手代木); 5. 淡水生プラナリアの組織・器官の構造と再生に伴う細胞分化 (77-103頁:堀・石井・新村・石田); 6. 淡水生プラナリアの再生における組織・器官の形成と分化 (104-124頁:手代木・堀・朝井・渡邊); 7. 淡水生プラナリアの再生における誘導と制御 (125-146頁:手代木・朝井・櫻井); 8. 淡水生プラナリア解離細胞の培養 (147-158頁:手代木); 9. プラナリアの生化学・分子解剖・ホメオボックス遺伝子 (159-176頁:手代木・古田・佐伯・阿形・織井・渡邊); 10. プラナリアの再生とがんとの関係 (177-189頁:手代木); 11. 淡水生プラナリアの胚発生と分化 (190-222頁:櫻井・石田・手代木); 12. 海産プラナリア多岐腸類の再生 (223-240頁:石田); 13. 海産プラナリア多岐腸類の発生 (241-258頁:石田); 14. 陸産プラナリア, コウガイビルの種類・生体並びに形態分化 (259-282頁:牧野・白澤); 15. プラナリアの観察・実験・研究法 (283-305頁:手代木・渡邊・西谷・櫻井・堀・織井・阿形); 索引 (307-310頁); 奥付き。

TESHIROGI, W. & WATANABE, K. (eds.), 1998. Morpho-differentiation in Planarians — From Biological Basis to Gene Manipulation —. Pp. i-xiii + 1-310 + the end page. Kyoritsu Shuppan Co., Tokyo. See Fig. 1, top-right: 255mm×180mm.

1. Species, distribution and ecology of freshwater planarians (pp. 1-28 by NIIMURA, TESHIROGI, FURUTA & AIKAWA). 2. Karyotypes and the chromosomal evolution in freshwater planarians (pp. 29-41 by NISHITANI). 3. Asexual reproduction and the physiological gradient of freshwater planarians (pp. 42-54 by TESHIROGI, SHINOZAWA & ISHIDA). 4. Regeneration and the Physiological Gradient Theory (pp. 55-76 by TESHIROGI). 5. Histology and anatomy of the organs in freshwater planarian and the cell-differentiation in the regeneration process (pp. 77-103 by HORI, ISHII, NIIMURA & ISHIDA). 6. Formation and differentiation of tissues and organs in the regeneration process of freshwater planarians (pp. 104-124 by TESHIROGI, HORI, ASAI, & WATANABE). 7. Induction and inhibition of regeneration in freshwater planarians (pp. 125-146 by TESHIROGI, ASAI, & SAKURAI). 8. A culture of dissociated cells of freshwater planarians (pp. 147-158 by TESHIROGI). 9. Biochemistry, molecular analysis and homeobox-containing genes of planarians (pp. 159-176 by TESHIROGI, FURUTA, SAHEKI, AGATA, ORI & WATANABE). 11. Embryonal development and differentiation in freshwater planarians (pp. 190-222 by SAKURAI, ISHIDA & TESHIROGI). 12. Regeneration of Polyclads (pp. 223-240 by ISHIDA). 13. Development of Polyclads (pp. 241-258 by ISHIDA). 14. Species, ecology and morphological differentiation of land planarians (pp. 259-282 by MAKINO & SHIRASAWA). 15. Observation, experiments and study methods of planarians

(pp. 283-305 by TESHIROGI, WATANABE, NISHITANI, SAKURAI, HORI, ORII & AGATA). Index (pp. 307-310) + the end page.

The names of these 16 authors are: Dr. Wataru TESHIROGI, Dr. Kenji WATANABE, Dr. Sachiko ISHIDA, Dr. Saburô ISHII, Dr. Takashige SAKURAI, Dr. Mieko FURUTA, Dr. Takao SHINOZAWA, Dr. Toshihiko SAHEKI, Dr. Masuo AIKAWA, Dr. Naoya MAKINO, Ms. Yasuko SHIRASAWA, Mr. Fumio NIIMURA, Dr. Isao HORI, Dr. Etsuo ASAI, Dr. Shin'ichirô NISHITANI, Dr. Kiyokazu AGATA, Dr. Hidefumi ORII.

Note. Each section of the second text book mentioned above was written by single or more persons. However, in the "Part I" of the present publication, the book was listed only by the names of editors (i. e., TESHIROGI, W. & WATANABE, K.; see pp. 81-82).

In the taxonomic sections of those two text-books, there are not a few errors. Those were (will be) corrected in the taxonomic papers published from the KAWAKATSU's team.

TWO REPORTS ON THE 1996 BIWAKO PRIZE FOR ECOLOGY PUBLISHED BY THE SHIGA PREFECTURAL GOVERNMENT, JAPAN

Dr. Oleg A. TIMOSHKIN (Limnological Institute, Russian Academy of Sciences, Irkutsk, Russia) received the Prize for the year 1996. His lecture as an Awardee was published both in Japanese and English. Some bibliographical explanations and corrective notes are necessary for these publications. For the citation of these articles, see the "Part I" of the present publication (p. 82).

The two reports were published from the Shiga Prefectural Government, Ôtsu, Japan. The cover photograph of both Japanese and English versions are "Autumn on Bai-

kal" (photo by Dr. TIMOSHKIN). The cover pages are shown in Fig. 2 (bottom-left, Jap. Version; bottom-right, Eng. Version; size, 295 mm×210 mm). The publishing date was only shown as March, 1998 in Japanese (inside of the back cover page of the Japanese Version). Thus, the date of publication (of both Versions) is specified as March 31, 1998 (cf. ICZN. 3rd ed., 1985, Art. 21, (c), (i)).

In the Japanese Version, "Notes 1-4" are found. However, in the English Version, "Note 3" in the Japanese Version is omitted (probably on p. 32). Judging from "Note 3" in the Japanese Version (on p. 31), its contents may be translated as follows:

"*Bdellocephala exotica* (Hyman, 1953) (*olim Rectocephala exotica*) reported from the Shaw Lily Ponds, Washington, D. C., is undoubtedly an exotic species in the United States (Kawakatsu, in litt.). Thus, its locality is not included in Fig. 14."

In the Japanese Version, some mistranslations from the original English Ms. written by Dr. TIMOSHKIN are found. For Japanese readers, the correction of them are given here in Japanese.

日本語版 44頁 下から3行. 訂正.

1) *Phagocata sibirica* (Zabussov, 1903) と, *Phagocata vivida* (Ijima et Kaburaki, 1916) は, それぞれ別種. (ミヤマウズムシ) は省く.

2) 両種ともにヒラタウズムシ科 Planariidae の種類. 従って, ナミウズムシ科という語は誤りで, () 内を上記に変更. なお, 科 Dugesidae の和名は, ナミウズムシの名称を使わずに, サンカクアタマウズムシ科とするのが望ましい.

注. 科・属の和名は, 環境庁 編 "日本産野生生物目録 無脊椎動物篇 III" のウズムシ綱 (渦虫綱) を参照のこと (川勝, 1998).

Addresses of the Authors:

Dr. Masaharu KAWAKATSU, 9jô 9chôme 1-8, Shinkotoni, Kita-ku, Sapporo (Hokkaidô) 001-0909, Japan.
Fax (International: +81-11-762-4450); (Domestic: 011-762-4450).

Dr. Masayuki TAKAI, Professor of Biology, Biological Laboratory, Medical School, Nabeshima 5-1-1, Saga 849-0937, Japan.
Fax (International: +81-952-34-2022). E-mail: takai@post.saga-med.ac.jp

December 25, 1999.