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MISCELLANEOUS PAPERS ON TURBELLARIANS

by

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ARTICLE I

A LIST OF PUBLICATIONS ON JAPANESE TURBELLARIANS (2001) …… INCLUDING TITLES OF PUBLICATIONS ON FOREIGN TURBELLARIANS WRITTEN BY THE JAPANESE AUTHORS ……

Compiled and Annotated by MASAHARU KAWAKATSU, MASAYUKI TAKAI and GEN-YU SASAKI

日本産渦虫類文献目録 (2001)－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・佐々木玄祐（編著）

In a series of publications, of which this is the thirty-fourth, we have collected and classified chronologically the titles of papers and records with regard to our Turbellarians, which were published during the year 2001. As usual we have added the English titles of Japanese papers which have none of any foreign language.

July 1, 2002. Sapporo, Saga and Tôkyô, Japan.

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A LIST OF PUBLICATIONS ON JAPANESE TURBELLARIANS (2001)

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

衛研リポート．兵庫県立衛生研究所．神戸市．Report of the Hyogo Prefectural Institute of Public Health. Kôbe.

国立環境研究所研究報告．つくば市．Research Report from the National Institute for Environmental Studies, Japan. Tsukuba.

くろしお（南紀生物同好会会報）．南紀生物学会．御坊市．Kuroshio (Reports of the Nanki Biology Club). N. Anaze (ed.), Gobô.

南紀生物．南紀生物学会．御坊市．Nankiseibutsu. The Nanki Biological Society. N. Anaze (ed.), Gobô.

都市と自然．社団法人 大阪自然環境保全協会．大阪市．Toshi-to-Shizen. Ôsaka Shizen-kankyô Hozen-Kyôkai, Ôsaka.

1961（昭和 36 年）

Kikuchi, H. & Chinone, S., 1961. [Distribution of freshwater planarians and *Scopura longa* (a stenothermal stone-fly) in Mt. Yamizo in the northern part of Ibaraki Prefecture, Kantô Region, Honshû]. Abstracts of the 8th Ann. Meet. of the Ecol. Soc. of Japan held in Kyôto, on March 30-April 2, 1961, p. 9. (Jap.) 菊池昶史・茅根重夫．茨城県八溝山におけるプラナリア類およびトワダカワゲラの分布．第 8 回日本生態学会（京都，1961 年 3 月 30 日-4 月 2 日）講演要旨，9 頁．

1983（昭和 58 年）

Iwata, K. [A slug and bipaliid land planarians]. In: Iwata, K., "Shin Konchû-ki" (Miscellaneous Observational Notes on Insects, a New Version), pp. 39-48. The Asahi-Shinbun-sha, Tôkyô. (Jap.) 岩田久仁雄．ナメクジとコウガイビル．岩田久仁雄：新・昆虫記，39-48 頁．朝日新聞社，東京．

Kawakatsu's Note. Dr. Iwata observed a feeding behavior of a black land planarian species at Mt. Obako in the Ki'i Mountains, Nara Pref., Kinki Region, Honshû. The planarian animal eat *Acusta despecta* (a land snail) and *Limax flavus* (slugs).

1986（昭和 61 年）

Imamura, T. [Freshwater mites as an indicator animal of inland waters]. Abstracts of the 22nd Ann.

Meet. of the Jap. Soc. of Syst. Zool. held in Tôkyô, on April 3, 1986, p. 2. (Jap.) 今村泰二. 陸水域環境指標動物としてのミズダニ. 日本動物分類学会第 22 回大会（東京, 1986 年 4 月 3 日）講演要旨, 2 頁.

Minekishi, H. [Rediscovery of *Convoluta japonica*]. Abstracts of the 22nd Ann. Meet. of the Jap. Soc. of Syst. Zool. held in Tôkyô, on April 3, 1986, p. 4. (Jap.) 峰岸秀雄. *Convoluta japonica* の再発見. 日本動物分類学会第 22 回大会（東京, 1986 年 4 月 3 日）講演要旨, 4 頁.

1994（平成 6 年）

Fukuda, H. (photos: Nishizawa, M. and Asano, A.). [Planaria (Platyhelminthes, Turbellaria, Tricladida)]. A Chart for Biology Education (A2-size). May 31, 1994. Dai-Nihon-Tosho Publ. Co., Tôkyô. (Jap.) 福田裕史（写真提供：西澤幹雄・浅野 明）. プラナリア（扁形動物 渦虫類 三岐腸類）. 教材生物の紹介（A 2 判ポスター）. 1994 年 5 月 31 日発行. 大日本圖書株式会社, 東京.

2000（平成 12 年）

Nishino, M. [*Bdellocephala annandalei*; *Scutariella japonica*]. Red Data Book Shiga for 2000, pp. 149-150; CD-ROM: *Bdellocephala annandalei* (with a color photo and a map); *Scutariella japonica* (with a color photo). Shizen-hogo-ka, Biwako-Kankyô-bu, Shiga Pref., Ôtsu. (Jap.) 西野麻知子. ビワオオウズムシ；エビヤドリツノムシ. 滋賀県で大切にすべき野生生物 2000 年版, 目録, 149-150 頁；CD-ROM, ビワオオウズムシ（/Siga/kaisetu/ビワオオウズムシ.htm）；エビヤドリツノムシ（/Siga/kaisetu/エビヤドリツノムシ. htm）滋賀県琵琶湖環境部 自然保護課. 大津.

Takahashi, K. [Observation and experiments of planarians]. Okayama-ken Kôtôgakkô Kyôiku-kenkyûkai Rikabukai Kaishi, (50): 34-38. (Jap.) 高橋京子. プラナリアの観察と実験. 岡山県高等学校教育研究会理科部会 会誌, 50 号, 34-38 頁.

2001（平成 13 年）

Agata, K. [Planarian regeneration and the evolution of brain]. Title of a special lecture given at the Monthly Meeting of the Hokkaidô Branch of the Zool. Soc. of Japan held in Sapporo, on February 7, 2001. An Office Circular of the Hokkaidô Branch of the Zool. Soc. of Japan, for 2001. By title only. Notice. This is not a publication. 阿形清和. プラナリアから見た再生と脳の進化. 2001 年度（社）日本動物学会北海道支部庶務報告, 2 頁め. 標題だけ. 会員配布資料.

Agata, K. The regeneration system of planarians. Belg. Jour. Zool., 131 (Suppl. 1): 101-102.

Agata, K. Regeneration system of planarians. Develp. Growth & Different., 43, Suppl. (14th ICDB, Kyoto, July 8-12, 2001): S3.

Agata, K. [Analysis of the constructive domain and the functional domain in planarians]. Program of the 72nd Ann. Meet. of the Zool. Soc. of Japan held in Fukuoka, on October 6-8, 2001, p. 22. By title only. (Jap.) 阿形清和. プラナリアの構造的ドメイン構造と機能的ドメイン構造の解明. 社団法人 日本動物学会 第 72 回大会（福岡, 平成 13 年 10 月 6-8 日）予稿集, 22 頁. シンポジウム 4. 発生生物学者の考える神経系の多様性と進化. ニューロエソロジー談話会 主催. 標題だけ.

Asami, M., Nakatsuka, T., Kou, K., Hayashi, T. & Agata, K. Isolation and characterization of planarian brain neurons using a cell sorter. Program of the 72nd Ann. Meet. of the Zool. Soc. of Japan held in Fukuoka, on October 6-8, 2001, p. 124. (Jap.) 浅見真紀・中塚剛史・洪 健智・林 哲太郎・阿形清和. プラナリア神経細胞のセルソーターによる分取およびその培養. 社団法人 日本動物学会第 72 回大会（福岡, 平成 13 年 10 月 6-8 日）予稿集. 124 頁. English abstract of this lecture is printed in Zool. Sci., 18-Suppl., p. 35.

Asano, Y., Yoshida, A., Isozaki, N. & Ishida, S. Production of intestine-specific monoclonal antibody and interspecific cross-reaction in Triclads and Polyclads. Belg. Jour. Zool., 131 (Suppl. 1): 137-141.

Azuma, K., Nakamura, T. & Suzuki, T. PLC activity of isolated planarian ocelli and effects of U73122 on the photoreceptor current in ocelli. Program of the 72nd Ann. Meet. of the Zool. Soc. of Japan held in Fukuoka, on October 6-8, 2001, p. 73. (Jap.) 東 克・中村 整・鈴木龍夫. プラナリア単眼の PLC 活性及び光受容電流に対する PLC 阻害剤 U73122 の効果. 社団法人 日本動物学会第 72 回大会（福岡, 平成 13 年 10 月 6-8 日）予稿集. 73 頁. English abstract of this lecture is printed in Zool. Sci., 18-Suppl., p. 96.

Baguñà, J. In Memoriam: Ian R. Ball (1941-2000). Belg. Jour. Zool., 131 (Suppl. 1): 19-23.

Note. A photograph printed on p. 20 was taken by Kawakatsu at the occasion of the Hyman Memorial Symposium, Chicago, 1970.

Baguñà, J., Carranza, S., Paps, J., Ruiz-Trillo, I. & Riutort, M. Molecular taxonomy and phylogeny of the Triclads. In: Littlewood, D. T. J. & Bray, R. A. (eds.), Interrelationships of the Platyhelminthes (Syst. Assoc. Special Vol. Ser. 60), pp. 49-56. Taylor & Francis, London and New York.

Note. The data of *Dugesia japonica* and *Dugesia ryukyuensis* are included.

Fuji Women's College. Genjô to Kadai (An Official Report of the College for 2000), pp. 149-151. A

list of 8 articles from Kawakatsu's team is included. (Jap.) 藤女子大学. 研究活動－藤女子大学 [藤女子短期大学] 紀要, 第36号 (1998)・第37号 (1999), 第II部目次. 川勝チームの研究論文8篇 (和文標題) を含む. 藤女子大学「現状と課題2000」, 第2号, 149-151頁.

Gremigni, V. In Memoriam: Mario Benazzi (1902-1997). Belg. Jour. Zool., 131 (Suppl. 1): 11-14.

Note. A photograph (Dr. Benazzi and Dr. Benazzi-Lentati) printed on p. 11 was taken by Kawakatsu at the occasion of the Hyman Memorial Symposium, Chicago, 1970.

Hori, I. & Kishida, Y. Further observation on the early regenerates after fission in the planarian *Dugesia japonica*. Belg. Jour. Zool., 131 (Suppl. 1): 117-121.

Horikoshi, I. [The type locality of *Phagocata papillifera*]. Shizen Tomo-no-kai (ed.), 'Shizen wo Tomo ni', p. 62. By title only. (Jap.) Cf. A list of Publications on Japanese Turbellarians (2000), p. 122, right column. 堀越 功. 豊岡町谷津不動尊東側湿地 (谷津沼畔) －陰樹・湿地・池－. カントウイドウズムシと谷津不動尊付近をみる. 自然友の会運営委員会 (編), "自然を友に－自然友の会創設30周年記念誌" のうち, 自然友の会の歩み－例会記録－, 62頁. 標題だけ. 水海道市豊岡町乙1217 (堀越 功).

Ishida, S. [*Phagocata teshirogii* Ichikawa et Kawakatsu, 1962, and *Dendrocoelopsis lactea* Ichikawa et Okugawa, 1958, in Aomori Prefecture]. In: "Red Data Book Aomori: Popular Edition", pp. 8, 189 (2 color photos), 212, 217. Shizen-hogo-ka, Kankyô-seikatsu-bu, Aomori Pref., Aomori. (Jap.) 石田幸子. ウズムシ綱 三岐腸目トウホクコガタウズムシ, キタシロウズムシ. 青森県の希少な野生生物－青森県のレッドデータブック－普及版, 8, 189 (原色写真2葉), 212, 217頁. 青森県 環境生活部 自然保護課. 東北印刷工業株式会社, 青森.

Ishihara, S., Ogawa, K., Mineta, K., Nakazawa, M. Ikeo, K., Gojobori, T. & Agata, K. Cloning and expression of *NOGGIN*-like germ from the planarian *Dugesia japonica*. Program of the 72nd Ann. Meet. of the Zool. Soc. of Japan held in Fukuoka, on October 6-8, 2001, p. 153. (Jap.) 石原省吾・小川和也・峯田克彦・中澤真澄・池尾一穂・五條堀 孝・阿形清和. プラナリアの *noggin* 類似遺伝子 *Djnlg* の同定と発現解析. 社団法人 日本動物学会 第72回大会 (福岡, 平成13年10月6-8日) 予稿集, 153頁. English abstract of this lecture is printed in Zool. Sci., 18-Suppl., p. 89.

Ishimoda-Takagi, T. & Suzuki, Y. Tropomyosin present in the planarian, *Dugesia japonica*. Program of the 72nd Ann. Meet. of the Zool. Soc. of Japan held in Fukuoka, on October 6-8, 2001, p. 146. (Jap.) 高城 忠・鈴木祐二. 扁形動物プラナリアに含まれるトロポミオシンについて. 社団法人 日本動物学会 第72回大会 (福岡, 平成13年10月6-8日) 予稿集, 146頁. English abstract of this lecture is printed in Zool. Sci., 18-Suppl., p. 40.

Note. In the Japanese abstract in the Program, the family name of the first author is Takagi, T.

Kato, K., Orii, H., Watanabe, K. & Agata, K. Dorsal and ventral positional cues required for the onset of planarian regeneration may reside in differentiated cells. Develop. Biol., 233:109-121.

Kato, K., Sato, K., Sakurai, T., Tutumi, H. & Watanabe, K. Fates of germ cells in regressing planarian testes. Program of the 72nd Ann. Meet of the Zool. Soc. of Japan held in Fukuoka, on October 6-8, 2001, p. 150. (Jap.) 加藤健太郎・佐藤仁泰・櫻井隆繁・堤 大樹・渡邊憲二. プラナリア精巣の退化過程における生殖細胞の運命. 社団法人 日本動物学会 第72回大会(福岡, 平成13年10月6-8日) 予稿集, 150頁. English abstract of this lecture is printed in Zool. Sci., 18-Suppl., p. 84.

Kato, K., Shibata, N., Watanabe, K. & Agata, K. Behavior of stem cells during planarian regeneration revealed by BrdU-labeling experiments. Program of the 72nd Ann. Meet. of the Zool. Soc. of Japan held in Fukuoka, on October 6-8, 2001, p. 153. (Jap.) 加藤健太郎・柴田典人・渡邊憲二・阿形清和. BrdU を用いたプラナリアの幹細胞の挙動の解析. 社団法人 日本動物学会 第72回大会 (福岡, 平成13年10月6-8日) 予稿集, 153頁. English abstract of this lecture is printed in Zool. Sci., 18-Suppl., p. 89.

Kawakatsu, M., Ogren, R. E., Froehlich, E. M. & Murayama, H. On the places of origin of three, very large bipaliid land planarians from Japan (Turbellaria, Seriata, Tricladida, Terricola). Shibukitsubo, (22): 39-52. 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・村山 均. 縦線模様を持つ日本の大型コウガイビル3種の原産地はどこか？

Kawakatsu, M., Ogren, R. E., Froehlich, E. M. & Sasaki, G.-Y. Additions and corrections of the previous land planarian indices of the world (Turbellaria, Seriata, Tricladida, Terricola). Additions and corrections of the previous land planarian indices of the world-9. Bull. Fuji Women's College, (39), II: 111-120. 和文著者名：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・佐々木 玄祐. 標題は英文だけ. URLは以下の通り.
http://www.ct.sakura.ne.jp/~gen-yu/pla/lpindex/ix2001.pdf

Kawakatsu, M., Sluys, R., Timoshkin, O. A., Naumova, T. V., Nishino, M. & Takai, M. Redescription of Japanese *Bdellocephala annandalei* from Lake Biwa-ko with comparative redescription of the

four Eastern and Kamchatkan *Bdellocephala* species (Tricladida, Paludicola). Belg. Jour. Zool., 141 (Suppl. 1): 205-211.

Kawakatsu, M., Takai, M. & Sasaki, G.-Y. A list of publications on Japanese Turbellarians (2000) .....Including titles of publications on foreign Turbellarians written by the Japanese authors..... Bull. Fuji Women's College, (39), II: 121-128. 和文標題：川勝正治・高井成行・佐々木 玄祐. 日本産渦虫類文献目録（2000）－外国産渦虫類に関する邦人著作を含む－. URLは以下の通り.
http://www.ct.sakura.ne.jp/~gen-yu/pla/lst/lst2001.pdf
The Part II of that article is entitled 'Planarian Resources on the Web: English Version.' It is only available as a web article as follows:
http://www2u.biglobe.ne.jp/~gen-yu/plaweb_e.html

Kitamoto, H. [*Bipalium nobile* found in the vicinities of Kôbe, Japan]. Report Hyogo Pref. Inst. Public Health, (33): 2nd page (without nombre). (Jap.) 北本寛明. コウガイビル（*Bipalium*）について. 衛研リポート（兵庫県立衛生研究所），33号，第2頁（ノンブルなし）.

Kawakatsu's Note. Literature citation in this article is insufficient with errors. Kawakatsu has a corrected sheet of Mr. Kitamoto's article for copy distribution.

Kobayashi, C., Sanchez, A. A. & Agata, K. Functional analysis of neural pathways in planarians. Develop. Growth & Different., 43, Suppl. (14th ICDB, Kyoto, July 8-12, 2001): S152.

Kobayashi, K., Arioka, S. & Hoshi, M. A sexualizing substance in the planarians. Develop. Growth & Different., 43, Suppl. (14th ICDB, Kyoto, July 8-12, 2001): S125.

Kobayashi, K., Arioka, S. & Hoshi, M. A sexualizing substance(s) in sexualized planarians. Program of the 72nd Ann. Meet. of the Zool. Soc. of Japan held in Fukuoka, on October 6-8, 2001, p. 70. (Jap.) 小林一也・有岡幸子・星 元紀. プラナリアにおける有性生殖誘導因子について. 社団法人 日本動物学会第72回大会（福岡，平成13年10月6-8日）予稿集，70頁. English abstract of this lecture is printed in Zool. Sci., 18-Suppl., p. 12.

Kobayashi, K., Arioka, S. & Hoshi, M. Karyological study on the planarian, *Dugesia ryukyuensis* (OH strain). Program of the 72nd Ann. Meet. of the Zool. Soc. of Japan held in Fukuoka, on October 6-8, 2001, p. 96. (Jap.) 小林一也・有岡幸子・星 元紀. 無性生殖系リュウキュウナミウズムシ（OH株）の核型解析. 社団法人 日本動物学会 第72回大会（福岡，平成13年10月6-8日）予稿集，96頁. English abstract of this lecture is printed in Zool. Sci., 18-Suppl., p. 28.

Kubota, S. Animals dropped in a drainage ditch at the Shinjô Park in Tanabe City, Wakayama Prefecture, Japan. Kuroshio, (20): 21-22. (Jap.) 久保田信. 和歌山県田辺市新庄公園の排水溝に落下した動物. くろしお，20号，21-22頁.

Kawakatsu's Note. For land planarian in Dr. Kubota's data, see Kubota, Yamamoto & Kawakatsu (2001).

Kubota, S., Yamamoto, K. & Kawakatsu, M. First distributional record of three bipaliid species (Plathelminthes, Turbellaria, Tricladida) in Wakayama Prefecture, Honshu, Japan. Nankiseibutusu., 43 (1): 6-10. (Jap. with Eng. summ.) 久保田 信・山本清彦・川勝正治. 和歌山県で初めて出現した3種のコウガイビル類（扁形動物門，渦虫綱，三岐腸目）. 南紀生物，43巻，1号，6-10頁.

Murayama, H. [*Phagocata suginoi* Kawakatsu, 1974, and *Bdellocephala brunnea* Ijima et Kaburaki, 1916, in Nîgata Prefecture]. In: "Red Data Book Nîgata", prefatory color page 7, bottom-right (a live specimen of *Ph. suginoi*); pp. 20, 126, 129, 420, 461-462. Kankyô-kikaku-ka, Kankyô-seikatsu-bu, Nîgata Pref., Nîgata. (Jap.) 村山 均. 淡水産プラナリア類概説；淡水産プラナリア類. ホクリクホソウズムシ；イズミオオウズムシ. レッドデータブックにいがた－新潟県の保護上重要な野生生物－，口絵 ⑰右下（ホクリクホソウズムシ生体写真），⑳，⑫⑥，⑫⑨，④②⓪，④⑥①-④⑥②頁. 新潟県 環境生活部 環境企画課. 太陽印刷所. 新潟.

Nagasaki-ken Seibutsu-gakkai. [Introduction of Biological Literature on Nagasaki Prefecture Written by the Members of the Nagasaki Biological Society]. Yamamoto (2000): *Bipalium* sp. Kumamoto-1. Transact. Nagasaki Biol. Soc., (52): 83. 長崎県生物学会 編集部. 長崎県関係生物文献紹介：純心女子高等学校「紀要」，27号42頁. 2000年12月22日発行. 山本清彦：*Bipalium* sp. Kumamoto-1. Pp. 39-41. 熊本県嘉島町産コウガイビルについての研究. 長崎県生物学会誌，52号83頁.

Nagasaki-ken Seibutsu-gakkai. [Introduction of Biological Literature on Nagasaki Prefecture Written by the Members of the Nagasaki Biological Society]. Kubota, Yamamoto & Kawakatsu, 2001. Transact. Nagasaki Biol. Soc., (53): 88. By title with a short distributional note on 3 bipaliid species. (Jap.) 長崎県生物学会 編集部. 長崎県関係生物文献紹介－会員近著. 久保田 信・山本清彦・川勝正治（2001）. 和歌山県で初めて出現した3種のコウガイビル類（扁形動物門，渦虫綱，三岐腸目）. 南紀生物，43 (1): 6-10. 引用とノート. 長崎県生物学会誌，53号，88頁.

Naumova, T. V. & Timoshkin, O. A. Endemic *Bdellocephala* (Platyhelminthes, Tricladida, Paludicola) form Lake Baikal: diversity, morphology and taxonomy. Belg. Jour. Zool., 131 (Suppl. 1): 231.

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The following 3 web articles listed in the 2001 publication of this series are updated. Cf. Bull. Fuji Women's College, (39), II: 127-128 (Part II).

http://www.ct.sakura.ne.jp/~gen-yu/pla/lst/lst2001.pdf

1). Planarian Resources on the Web: Japanese Version. By Gen-yu Sasaki.
http://www2u.biglobe.ne.jp/~gen-yu/plaweb.html

2). Planarian Resources on the Web: Appendix. (In Japanese.) By Gen-yu Sasaki.
http://www2u.biglobe.ne.jp/~gen-yu/plaweb2.html

3). Planarian Resources on the Web: English Version. By M. Kawakatsu, M. Takai & G.-Y. Sasaki.
http://www2u.biglobe.ne.jp/~gen-yu/plaweb_e.html

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ARTICLE II

ADDITIONS AND CORRECTIONS OF THE PREVIOUS LAND PLANARIAN INDICES OF THE WORLD (TURBELLARIA, SERIATA, TRICLADIDA, TERRICOLA)

ADDITIONS AND CORRECTIONS OF THE PREVIOUS LAND PLANARIAN INDICES OF THE WORLD – 10

By MASAHARU KAWAKATSU, ROBERT E. OGREN, EUDOXIA MARIA FROEHLICH and GEN-YU SASAKI

INTRODUCTION

The present publication is a continuation of our Land Planarian Indices Series. In the Part I, we will give a taxonomic revision of the family Bipaliidae von Graff, 1896, based upon an establishment of a new collective group.

The Part II is an 'Additions and Corrections of the Previous Land Planarian Indices of the World –10'.

Abbreviations: BFC = Bulletin of Fuji Women's College (Ser. II); OC = Occasional Publications, Biological Laboratory of Fuji Women's College, Sapporo (Hokkaidô), Japan; pdf = web article (pdf) is also available.

PART I

REVISION OF THE LIST OF SPECIES IN THE FAMILY BIPALIIDAE PUBLISHED IN THE PREVIOUS GEOGRAPHIC LOCUS INDEX

Taxonomic History and an Abolishment of the Subspecies Classification System in the Bipaliidae

The taxonomic history of the family Bipaliidae von Graff, 1896, is described in a paper by Ogren & Kawakatsu (1987: 79-81). Conclusively, it was considered during the past 80 years or more, the family consists of only a single, large, but non-homogenous, genus *Bipalium* Stimpson, 1857.

This Indices Series employed that taxonomic system until the 1998 issue: Ogren & Kawakatsu (1987: 79-111; 1988: 3-12; 1989: 91; 1991: 96-97); Ogren, Kawakatsu & Froehlich (1922: 62-75, 98-99, pl. I, top; 1993: 34-60; 1994: 73-76; 1995: 79-81; 1996: 87-89; 1997a: 55-56; 1997b: 71-72, 81, 83-96; 1998a: 1-2; 1998b: 75-76). After the 1999 issue, a new classification system with 2 to 3 genera was introduced: Ogren, Kawakatsu & Froehlich (1999: 93-94; Kawakatsu, Ogren & Froehlich, 2000: 83-85; Kawakatsu, Ogren, Froehlich & Sasaki, 2001: 111-113).

According to our 1997 (b) data, the genus consists of 160 species (including 14 subspecies) (Ogren, Kawakatsu & Froehlich, 1997b: 68, table 1, etc.). Among them, the species with the anatomical and histological descriptions of the copulatory apparatus based upon fully sexually mature specimens (i.e., well-described species) amount to some 39 per cent of the whole (cf. Ogren, Kawakatsu & Froehlich, op. cit., table 1). This means some 60 per cent of the whole of the bipaliid species are only known by their external morphological characters.

Bipalium Stimpson, 1857, a representative genus of the Bipaliidae, has been described without a type species. After 135 years later, Stimpson's (op. cit.) *Bipalium fuscatum* was designated as the type species (cf. Ogren, Kawakatsu & Froehlich, 1992: 63).

B. fuscatum is a large, black species reported at first from the vicinity of Shimoda City, Izu Peninsula, Chûbu Region, Honshû, Japan. It was believed in the zoology circle of Japan that *B. fuscatum* is a common species distributed widely in Japan as well as in Southeast Asian countries (Okugawa, 1953 and others). However, it becomes clear that the name of "*B. fuscatum* (or *Placocephalus fuscatus*)" employed by von Graff (1899) and Kaburaki (1922) does not represent a single species (cf. Kawakatsu, 1991; Kawakatsu, Ogren & Froehlich, 1998; see also Mack-Firă & Kawakatsu, 1972).

The taxonomic clarification of the '*B. fuscatum* problem' was the first step of the revision of the Bipaliidae. Kaburaki's (1922) description of "*Placocephalus fuscatus*" (op. cit., pp. 34-38, figs. 17-19, pl. I, figs. 8-9) includes descriptions of two different species: 1) a large, black species with a usual, conical penis papilla and a weak muscular male genital antrum that opens to the common antrum; 2) another species having a similar external appearance, with a weakly developed penis papilla and a very thick, tubular, muscular male antrum that opens to the genital pore (male genital pore).

In conclusion, the former is *Bipalium fuscatum* Stimpson, 1857, and the latter, transferred into a new genus *Novibipalium* Kawakatsu, Ogren et Froehlich, 1998, was named as *Novibipalium falsifuscatum* Kawakatsu, Ogren et Froehlich, 1998. The other 2 Japanese species were also transferred into the same genus: *Novibipalium trifuscostriatum* (Kaburaki, 1922) and *Novibipalium venosum* (Kaburaki, 1922).

"*Placocephalus fuscatum*" from Buitenzorg, Java, in Indonesia (also from India?), reported by von Graff (1899: 220-221, fig. 66, pp. 461-462, taf. VIII, figs. 8-13) was named as *Novibipalium alterifuscatum* Kawakatsu, Ogren et Froehlich, 1998. (Cf. Ogren, Kawakatsu & Froehlich, 1999: 93-94.)

The second step of the revision of the Bipaliidae was the separation of 22 species (including 2 subspecies) based upon the anatomical character in the female copulatory organ proposed by Ogren & Sluys (2001). These *Bipalium* species from Madagascar, India, Sri Lanka, China, Sarawak in Indonesia, and West Malaysia were transferred into a new genus *Humbertium* Ogren et Sluys, 2001.

Among them, the taxonomic position of 2 subspecies may have a confusion. *Humbertium negritorum palnisium* (de Beauchamp, 1930) is known from India. Another nominotypical subspecies, *Bipalium negritorum negritorum* von Graff, 1899, was reported from the Philippines based upon non-sexual specimens (cf. Ogren & Kawakatsu, 1987: 97).

Humbertium univittatum subboreale (Sabussowa, 1925) is known from Central China. Another nominotypical subspecies, *Bipalium univittatum univittatum* Grube, 1866, was reported from Southern India (Madras) based upon non-sexual specimens. Although redescriptions of *B. univittatum* including genital anatomy were published by von Graff and de Beauchamp (1930b), the taxonomy of Grube's old,

original species is uncertain (cf. Ogren & Kawakatsu, 1987: 105-106).

The best solution of the taxonomic confusion mentioned above is an abolishment of the subspecies classification system in the Bipaliidae. Namely, 14 subspecies (including 7 nominotypical subspecies) listed in the previous Index (Ogren & Kawakatsu, 1987 = BFC25) should be elevate to the rank of species as listed below. (Abbreviations: BFC25 = Bull. Fuji Women's College, ser. II, no. 25; FCA = figure of the copulatory apparatus.)

1. *Bipalium everetti* Moseley, 1875. Genital anatomy of the copulatory apparatus was given by de Beauchamp (1925, 1926). Sarawak / E. Malaysia. BFC25 (p. 85).
2. *Bipalium longitudinalis* de Beauchamp, 1933. FCA is not known. N. Borneo / E. Malaysia. BFC25 (p. 85).
3. *Bipalium marginatum* Loman, 1887. FCA was given by von Graff (1899). Java and N. Celebes (Sulawesi) / Indonesia. BFC25 (p. 95).
4. *Bipalium jansei* Müller, 1907. FCA is not known. Java / Indonesia. BFC25 (p. 95).
5. *Bipalium negritorum* von Graff, 1899. FCA is not known. The Philippines. BFC25 (p. 97).
6. *Bipalium palnisium* de Beauchamp, 1930. FCA is known. Palnis / India. BFC25 (p. 97).
7. *Bipalium penzigi* Müller, 1902. FCA is known. Java / Indonesia. BFC25 (p. 98).
8. *Bipalium alternans* de Beauchamp, 1930. FCA is known. Sumatra / Indonesia. BFC25 (p. 98).
9. *Bipalium phebe* Humbert, 1862. FCA is known. Peladenis, Ceylon / Sri Lanka.
10. *Bipalium transversefasciatum* Müller, 1902. FCA is not known. Malay Peninsula / Malaysia. BFC25 (p. 99).
11. *Bipalium ravenalae* (von Graff, 1899). FCA was given by Mell (1902). Madagascar. BFC25 (p. 100).
12. *Bipalium bimaculata* (von Graff, 1899). FCA is not known. Madagascar. BFC25 (p. 100).
13. *Bipalium univittatum* Grube, 1866. FCA was given by von Graff (1899) and de Beauchamp (1930). Madras and Palnis / India.
14. *Bipalium subboreale* Sabussowa, 1925. FCA is known. Ch'inghai Hsing / N. China. BFC25 (p. 106).

Correction of TABLE I in Ogren & Sluys' (2001) Paper

A list of *Humbertium* species is given on page 203 of Ogren & Sluys' (2001) paper. Two *Bipalium* species (formerly classified as subspecies) listed in the foregoing list of the present article were already transferred into *Humbertium*. They are as follows:

Humbertium phebe (Humbert, 1862). See No. 9 in the list.

Humbertium ravenalae (von Graff, 1899). See No. 11 in the list.

The other 2 *Humbertium* subspecies listed in TABLE I of Ogren & Sluys' (2001) paper should be corrected as follows:

Humbertium palnisium (de Beauchamp, 1930) for *Humbertium negritorum palnisium* (de Beauchamp, 1930). See No. 6 in the list.

Humbertium subboreale (Sabussowa, 1925) for *Humbertium univittatum subboreale* (Sabussowa, 1925). See No. 14 in the list.

Revision of the Family Bipaliidae

Due to the elevation of 14 subspecies to the rank of species and an addition of a few number of species, the family Bipaliidae now consists of 3 genera and 169 species in total (143 species in *Bipalium* s.l., 22 species in *Humbertium* and 4 species in *Novibipalium*).

In *Bipalium* s.l., the genital anatomy of 48 species (ca. 34%) are known. However, the remained 95 species (ca. 66%) were described by non-sexual specimens. This fact supplies a reason for prevent an appropriate progress of taxonomic revision of the Bipaliidae.

We now propose the subdivision of the genus *Bipalium* s.l. into 2 genera, i.e., the genus *Bipalium* s.s. (a group of the genital anatomy is known) and a collective group (uncertain bipaliid species which will be tentatively classified under this group). Although being of no value for improving the bipaliid taxonomy itself, in practice this procedure can be of help in immediately informing about non-classified species with unknown genital anatomy.

From the foregoing standpoint and consideration, definitions of the family Bipaliidae and 4 genera (including a new Collective Group) are given below.

Definitions of the Family Bipaliidae and 4 Genera

Family Bipaliidae von Graff, 1896

Definition: Body elongate and flattened, with a semilunar head; with numerous, small marginal eyes and sensory groove around the head; creeping sole begins at the base of head plate.

Type genus: *Bipalium* Stimpson, 1857.

Genus *Bipalium* Stimpson, 1857

Definition: Bipaliidae with simple copulatory organs and without accessory ducts, or copulatory bursa; male and female exit ducts are separated by a

fold of tissue before they enter the common genital antrum.

Type species: *Bipalium fuscatum* Stimpson, 1857.
Cf. Ogren, Kawakatsu & Froehlich (1992: 63); Kawakatsu, Ogren & Froehlich (1998: 84-85, figs. 1 and 2).

Genus *Humbertium* Ogren et Sluys, 2001

Definition: Bipaliidae with ovovitelline ducts turning dorsally before reaching the genital pore and having an anterodorsal entrance to the female organ.

Type species: *Perocephalus ravenalae* von Graff, 1899. [Copulatory apparatus described by Mell (1902, pl. XXXI, fig. 3)].
Cf. Ogren & Sluys (2001: 201).

Genus *Novibipalium* Kawakatsu, Ogren et Froehlich, 1998

Definition: Bipaliidae sharing many features with *Bipalium*; male genital organ has the key character in the form of its highly muscular male antrum wall which can evert into an elongate penis sheath (pseudophallus), which provides a secondary or distal ejaculatory duct; reduction or absence of the penis papilla.

Type species: *Bipalium trifuscostriatum* Kaburaki, 1922.
Cf. Kawakatsu (1991); Kawakatsu, Ogren & Froehlich, 1998: 87.

Genus *Diversibipalium* Kawakatsu, Ogren, Froehlich et Sasaki, gen. nov. (collective group)

Definition: Bipaliidae, but not classifiable into present taxonomic genera because of insufficient morphological information; geographical distribution largely in Asia (the Far East and Southeast Asia) and Indo-Pacific islands (the eastern part of the Palaearctic Subregion of the Holarctic Region and the Paleotropical Kingdom). A collective group to temporarily assign species inquirendae and nomina dubia.

No type species. Cf. ICZN, 4th Ed., 1999, Art. 42. 3.1.

Etymology: The new generic name of *Diversibipalium* is from Latin. Diversi (different, various, diversity) + bipalium. Gender is the same with *Bipalium* (neuter).

Table 1. A list of bipaliid species with information on copulatory organ and geographical location.

Family BIPALIIDAE von Graff, 1896	
Genus *BIPALIUM* Stimpson, 1857	
Bipalium adensameri von Graff, 1899	+ Indonesia - Java ; Vietnam
Bipalium admarginatum de Beauchamp, 1933	+ E. Malaysia
Bipalium adventitium Hyman, 1943	+ U. S. A. (CA, MA, NY, PA, TN)
Bipalium alternans de Beauchamp, 1930	+ Indonesia - Sumatra
Bipalium bergendali (von Graff, 1899)	+ Indonesia - Java ; W. Malaysia ; Singapore
Bipalium cantori (Wright, 1860)	+ ? China (NEC)
Bipalium choristosperma de Beauchamp, 1925	+ E. Malaysia
Bipalium crassatrium de Beauchamp, 1939	+ Vietnam
Bipalium distinguendum Müller, 1907	+ Indonesia - Natuna Is.
Bipalium dubium Loman, 1890	+ Indonesia - Sumatra ; Vietnam
Bipalium ephippium Loman, 1890	+ Indonesia - Sumatra
Bipalium everetti Moseley, 1875	+ E. Malaysia
Bipalium fuscatum Stimpson, 1857	+ Japan (CJ)
Bipalium fuscolineatum Kaburaki, 1922	+ Japan (NJ)
Bipalium gestroi von Graff, 1894	+ Indonesia - Sumatra
Bipalium glaucum (Kaburaki, 1922)	+ Japan (CJ)
Bipalium gracile Loman, 1890	+ Indonesia - Java ; Singapore
Bipalium graffi Müller, 1902	+ E. Malaysia ; Singapore
Bipalium haberlandti von Graff, 1899	+ Indonesia - Java ; Singapore
Bipalium hilgendorfi (von Graff, 1899)	+ Japan (NJ, CJ)
Bipalium interruptum von Graff, 1899	+ Indonesia - Java

Bipalium javanum Loman, 1883 + Indonesia · Java & Sumatra ; E. Malaysia; Singapore ; Sri Lanka ; Thailand

Bipalium kewense Moseley, 1878*1 + *Cosmopolitan* : Austria ; Belgium ; Czechoslovakia ; Finland ; Germany ; Ireland ; Norway ; Poland ; Portugal ; U. K. ; Israel ; Cambodia ; India ; Indonesia · Java, · Natuna Is., · Sulawesi, · Sumatra ; E. & W. Malaysia ; Philippines ; Singapore ; Sri Lanka ; Thailand ; Vietnam ; China (NEC) ; Hong Kong, China ; Japan (CJ, SJ, SWI) ; Taiwan ; Fiji ; Hawaii, U. S. A. ; Palau Is. ; Tonga ; Australia (QLD, NSW, VIC, SA, WA) ; New Zealand ; Azores Is. ; Cape Verde ; Madeira ; Saint Helena ; La Réunion ; Madagascar ; Canada (Manitoba & Ontario) ; U. S. A. (AK, AL, CA, DC, FL, GA, IL, KY, LA, MA, MD, ME, MI, NJ, NC, OH, PA, SC, TN, TX, UT, VA, WA) ; Bermuda Is. ; Costa Rica ; Jamaica ; Panama ; Argentina ; Brazil ; Colombia ; Peru ; Uruguay

*1 *Bipalium costaricense* Hyman, 1939, is a synonym of *B. kewense*.

Bipalium kisoense Kaburaki, 1922 + Japan (CJ)

Bipalium kraepelini (Ritter · Záhony, 1905) + Indonesia · Java

Bipalium marginatum Loman, 1887 + Indonesia ·Java & Sulawesi

Bipalium mjobergi de Beauchamp, 1925 + E. Malaysia

Bipalium monolineatum Kaburaki, 1922 + Japan (CJ)

Bipalium moseleyi Loman, 1887 + E. Malaysia

Bipalium myadenosum de Beauchamp, 1939 + Vietnam

Bipalium nigrum (Ritter · Záhony, 1905) + Indonesia · Java

Bipalium nobile Kawakatsu et Makino, 1982 + Japan (NJ, CJ, SJ)

Bipalium ochroleucum Kaburaki, 1922 + Japan (CJ)

Bipalium pennsylvanicum Ogren, 1987 + U. S. A. (PA) ; Japan (CJ)?

Bipalium penrissenicum Kawakatsu, Ogren et Froehlich, 1998 + E. Malaysia · Sarawak (Mt. Penrissen)

Bipalium penzigi Müller, 1902 + Indonesia · Java

Bipalium persephone de Beauchamp, 1939 + Vietnam

Bipalium poiense de Beauchamp, 1925 + E. Malaysia

Bipalium rigaudi von Graff, 1894 + India ; Vietnam

Bipalium robiginosum von Graff, 1899 + Indonesia · Java ; Singapore

Bipalium semperi (von Graff, 1899) + Philippines

Bipalium simrothi Loman, 1895 + Indonesia · Natuna Is. ; W. Malaysia

Bipalium strubelli von Graff, 1899 + Indonesia · Java ; Singapore

Bipalium sudzukii Kawakatsu, 1986 + W. Malaysia

Bipalium univittatum Grube, 1866 + India

Bipalium virile Müller, 1902 + Indonesia · Sumatra

Bipalium weismanni Ritter · Záhony, 1905 + Indonesia · Java

Bipalium wiesneri von Graff, 1899 + Indonesia · Java ; W. Malaysia

Genus *HUMBERTIUM* Ogren et Sluys, 2001

Humbertium ceres (Moseley, 1875) + Sri Lanka

Humbertium core (de Beauchamp, 1930) + India

Humbertium depressum (Ritter · Záhony, 1905) + Sri Lanka ; India

Humbertium diana (Humbert, 1862) + Sri Lanka

Humbertium dodabettae (de Beauchamp, 1930) + India

Humbertium ferrugineoideum (Sabussowa, 1925) + Madagascar ?

Humbertium ferrugineum (von Graff, 1899) + Madagascar

Humbertium girardi (von Graff, 1899) + Madagascar

Humbertium kelleri (von Graff, 1899) + Madagascar

Humbertium longicanale (Sabussowa, 1925) + China (CC)

Humbertium palnisium (de Beauchamp, 1930) comb. nov. + India

Humbertium penangense (Kawakatsu, 1986) + W. Malaysia

Humbertium penrissenense (de Beauchamp, 1925) + E. Malaysia

Humbertium phebe (Humbert, 1862) + Sri Lanka

Humbertium proserpina (Humbert, 1862) + India ; Sri Lanka

Humbertium pseudophallicum (de Beauchamp, 1925) + E. Malaysia
Humbertium ravenalae (von Graff, 1899) + Madagascar
Humbertium sikorai (von Graff, 1899) + Madagascar
Humbertium subboreale (Sabussowa, 1925) comb. nov. + China (CC)
Humbertium umbrinum (Geba, 1909) + Madagascar
Humbertium voigti (von Graff, 1899) + Madagascar
Humbertium woodworthi (von Graff, 1899) + Madagascar

Genus *NOVIBIPALIUM* Kawakatsu, Ogren et Froehlich, 1998

Novibipalium alterifuscatum Kawakatsu, Ogren et Froehlich, 1998 + Indonesia · Java ; India?
Novibipalium falsifuscatum Kawakatsu, Ogren et Froehlich, 1998 + Japan (CJ)
Novibipalium trifuscostriatum (Kaburaki, 1922) + Japan (CJ)
Novibipalium venosum (Kaburaki, 1922) + Japan (CJ, SJ)

Genus *DIVERSIBIPALIUM* Kawakatsu, Ogren, Froehlich et Sasaki, gen. nov. (collective group)

Diversibipalium andrewesi (Whitehouse, 1919) comb. nov. – India
Diversibipalium bimaculatum (von Graff, 1899) comb. nov. – Madagascar
Diversibipalium bleekeri (von Graff, 1899) comb. nov. – Indonesia· Java
Diversibipalium boehmigi (Müller, 1902) comb. nov. – E. Malaysia
Diversibipalium brauni (Mell, 1902) comb. nov. – Madagascar
Diversibipalium brunneum (Whitehouse, 1919) comb. nov. – India
Diversibipalium catenatum (von Graff, 1899) comb. nov. – Philippines
Diversibipalium claparedei (von Graff, 1899) comb. nov. – Indonesia · Java
Diversibipalium claviforme (Loman, 1890) comb. nov. – Indonesia · Java
Diversibipalium delicatum (Whitehouse, 1914) comb. nov. – India
Diversibipalium dendrophilum (Schmarda, 1859) comb. nov. – Sri Lanka
Diversibipalium dihangense (Whitehouse, 1914) comb. nov. – India
Diversibipalium ellioti (von Graff, 1899) comb. nov. – Indonesia · Sulawesi
Diversibipalium engeli (den Hortog, 1968) comb. nov. – Singapore
Diversibipalium everetti (Moseley, 1875) comb. nov. – E. Malaysia · Sarawak
Diversibipalium expeditionis (Loman, 1895) comb. nov. – E. Malaysia
Diversibipalium falcatum (von Graff, 1899) comb. nov. – Indonesia · Sumatra
Diversibipalium fenestratum (von Graff, 1899) comb. nov. – Indonesia · Java
Diversibipalium ferudpoorense (Wright, 1860) comb. nov. – India
Diversibipalium flowei (von Graff, 1899) comb. nov. – India ; Sri Lanka
Diversibipalium fuligineum (Geba, 1909) comb. nov. – Madagascar
Diversibipalium fulvum (Kaburaki, 1922) comb. nov. – Japan (CJ)
Diversibipalium fuscocephalum (Kaburaki, 1922) comb. nov. – Japan (NJ)
Diversibipalium gebai (Ogren et Kawakatsu, 1987) comb. nov. – Madagascar
Diversibipalium giganteum (Whitehouse, 1914) comb. nov. – India
Diversibipalium grandidieri (Mell, 1902) comb. nov. – Madagascar
Diversibipalium grayi (Wright, 1860) comb. nov. – India ; China (NEC)
Diversibipalium gulliveri (von Graff, 1899) comb. nov. – Madagascar
Diversibipalium haasei (von Graff, 1899) comb. nov. – Thailand
Diversibipalium hasseltii (Loman, 1890) comb. nov. – Indonesia · Java
Diversibipalium hildebrandi (von Graff, 1899) comb. nov. – Madagascar
Diversibipalium houghtoni (Mosely, 1875) comb. nov. – E. Malaysia
Diversibipalium indicum (Whitehouse, 1919) comb. nov. – India
Diversibipalium isabellinum (Geba, 1909) comb. nov. – Mauritius
Diversibipalium jalorense (Laidlaw, 1903) comb. nov. – W. Malaysia
Diversibipalium jansei (Müller, 1907) comb. nov. – Indonesia · Java
Diversibipalium keshavi (Saxena, 1957) comb. nov. – Nepal

Diversibipalium kirckpatricki (von Graff, 1899) comb. nov. – India ; Sri Lanka
Diversibipalium koreense (Frieb, 1923) comb. nov. – Korea
Diversibipalium kuhlii (Loman, 1890) comb. nov. – Indonesia · Sumatra
Diversibipalium layardi (von Graff, 1899) comb. nov. – Indonesia · Sulawesi
Diversibipalium lehnerti (von Graff, 1899) comb. nov. – Indonesia · Java
Diversibipalium lomani (von Graff, 1899) comb. nov. – Indonesia · Java
Diversibipalium longitudinalis (de Beauchamp, 1933) comb. nov. – E. Malaysia
Diversibipalium lunatum (Gray, 1835) comb. nov. – India
Diversibipalium maculatum (Stimpson, 1857) comb. nov. – Japan (SWI)
Diversibipalium madagascarense (von Graff, 1899) comb. nov. – Madagascar
Diversibipalium marenzelleri (Mell, 1902) comb. nov. – Madagascar
Diversibipalium megacephalum (Müller, 1902) comb. nov. – Malaysia
Diversibipalium modiglianii (von Graff, 1894) comb. nov. – Indonesia · Sumatra
Diversibipalium molle (von Graff, 1899) comb. nov. – Indonesia · Java
Diversibipalium multilineatum (Makino et Shirasawa, 1983), comb. nov. – Japan (CJ, SJ)
Diversibipalium murinum (von Graff, 1899) comb. nov. – Madagascar
Diversibipalium natunense (Meixner, 1906) comb. nov. – Indonesia · Natuna Is.
Diversibipalium negritorum (von Graff, 1899) comb. nov. – Philippines
Diversibipalium nigrilumbe (Loman, 1890) comb. nov. – Indonesia · Sumatra
Diversibipalium ocellatum (von Graff, 1899) comb. nov. – Indonesia · Java
Diversibipalium olivaceps (Geba, 1909) comb. nov. – Madagascar
Diversibipalium piceum (von Graff, 1899) comb. nov. – Indonesia · Sulawesi
Diversibipalium pictum (Ritter · Záhony, 1905) comb. nov. – Indonesia · Java
Diversibipalium quadricinctum (Loman, 1890) comb. nov. – Indonesia · Sumatra
Diversibipalium rauchi (von Graff, 1899) comb. nov. – Singapore
Diversibipalium richtersi (von Graff, 1899) comb. nov. – Madagascar
Diversibipalium ridleyi (von Graff, 1899) comb. nov. – Singapore
Diversibipalium roonwali (Ramakrishna et Chahan, 1962), comb. nov. – India
Diversibipalium rotungense (Whitehouse, 1914) comb. nov. – India
Diversibipalium ruteofulvum (Kaburaki, 1922) comb. nov. – Taiwan
Diversibipalium salvini (von Graff, 1899) comb. nov. – Indonesia · Sulawesi
Diversibipalium sarasini (Müller, 1907) comb. nov. – Indonesia · Sulawesi
Diversibipalium sexcinctum (Loman, 1890) comb. nov. – Indonesia · Sumatra
Diversibipalium shipleyi (von Graff, 1899) comb. nov. – Indonesia · Sulawesi
Diversibipalium simplex (von Graff, 1899) comb. nov. – Indonesia · Java
Diversibipalium smithi (von Graff, 1899) comb. nov. – India
Diversibipalium solmsi (von Graff, 1899) comb. nov. – Indonesia · Java
Diversibipalium sordidum (Whitehouse, 1914) comb. nov. – India
Diversibipalium splendens (Whitehouse, 1919) comb. nov. – India
Diversibipalium steindachneri (von Graff, 1899) comb. nov. – W. Malaysia
Diversibipalium stimpsoni (Diesing, 1861) comb. nov. – Hong Kong, China
Diversibipalium sumatrense (Loman, 1883) comb. nov. – Indonesia · Sumatra
Diversibipalium superbum (von Graff, 1899) comb. nov. – Indonesia · Java
Diversibipalium sylvestre (Whitehouse, 1919) comb. nov. – India
Diversibipalium tamatavense (von Graff, 1899) comb. nov. – Madagascar
Diversibipalium tau (Mell, 1903) comb. nov. – Madagascar
Diversibipalium tennenti (Diesing, 1861) comb. nov. – Sri Lanka
Diversibipalium transversefasciatum (Müller, 1903) comb. nov. – W. Malaysia
Diversibipalium trilineatum (Stimpson, 1857) comb. nov. – Japan (NJ)
Diversibipalium tripartitum (von Graff, 1899) comb. nov. – Philippines
Diversibipalium unicolor (Moseley, 1877) comb. nov. – Indonesia · Sulawesi ; Philippines
Diversibipalium vinosum (Kaburaki, 1925) comb. nov. – India · Andaman Is. ; Indonesia · Sumatra
Diversibipalium virchowi (von Graff, 1899) comb. nov. – Indonesia · Sumatra

Diversibipalium virgatum (Stimpson, 1858) comb. nov. – Japan (SWI) ; Taiwan
Diversibipalium vittatum (Loman, 1887) comb. nov. – Indonesia · Java
Diversibipalium weberi (Loman, 1890) comb. nov. – Indonesia · Sumatra
Diversibipalium whitehousei (Ogren et Kawakatsu, 1987) comb. nov. – India
Diversibipalium wrighti (von Graff, 1899) comb. nov. – Indonesia · Sulawesi

The summarized data on the Bipaliidae proposed in the present article are shown in Table 2.

Table 2. An itemized list of the family Bipaliidae.

Family & Genus	No. of species described	Species description is based upon:		
		Sexual specimens FCA (reported)	Asexual specimens FCA (unknown)	Sex. / Total (%)
BIPALIIDAE				
Bipalium	48	48	0	100
Diversibipalium	95	0	95	0
Humbertium	22	22	0	100
Novibipalium	4	4	0	100
Total	169	74	95	43.79

REFERENCES FOR PART I

References for Table 1 are not listed here.

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PART II

ADDITIONS AND CORRECTIONS OF THE PREVIOUS LAND PLANARIAN INDICES OF THE WORLD – 10

A. BIPALIIDAE INDEX (1987: Bull. Fuji Women's College, No. 25, Ser. II, pp. 79-119; 1988: Occ. Publ., Biol. Lab. Fuji Women's College, No. 19, pp. 1-16; 1992: Bull. Fuji Women's College, No. 30, Ser. II, pp. 62-75; 1993: *Ibid.*, No. 31, Ser. II, pp. 80-81; 1994; *Ibid.*, No. 32, Ser. II, pp. 73-76; 1995: *Ibid.*, No. 33, Ser. II, pp. 78-81; 1996: *Ibid.*, No. 34, Ser. II, pp. 87-93; 1997: *Ibid.*, No. 35, Ser. II, p.56; 1998: *Ibid.*, No. 36, Ser. II, pp. 75-76; 1999: *Ibid.*, No. 37, Ser. II, pp. 94, 97, 99-101; 2000: *Ibid.*, No. 38, Ser. II, pp. 83-85; 2001: *Ibid.*, No. 39, Ser.

II, pp. 111-113).

BFC25. Pp. 81-82. *Bipalium adventitium* Hyman, 1943. Add the following items.

Bipalium adventitium: Blackshaw & Stewart, 1991: 212.

Bipalium adventitium: Baguñà, Carranza, Paps, Ruiz-Trillo & Riutort, 2001: 51, table 6-1, 54, fig. 6-5 (neighbour-joining tree on 18S rDNA data).

Bipalium adventitium: Boag & Yeates, 2001b: 1283.

BFC25. P. 87. *Bipalium fuscatum* Stimpson, 1857 (?). BFC37. P. 94. *Novibipalium falsifuscatum* Kawakatsu, Ogren et Froehlich, 1998 (?). Add the following items.

Kuro-kogaibiru: Takazuma, 2001: 11, photo (middle-left, DB). Nose City, Ôsaka Pref., Honshû / Japan.

Bipalium fuscatum (or *Novibipalium falsifuscatum*): Gunji, 2002: 185-186, figs. 3-10 (DB). Ciba City, Chiba Pref., Honshû / Japan.

BFC25. Pp. 87-88. *Bipalium fuscolineatum* Kaburaki, 1922. Add the following item.

Bipalium fuscolineatum: Gunji, 2002: 183, fig. 3-5 (DB in color). Chiba City, Chiba Pref., Honshû / Japan.

BFC25. Pp. 91-93. *Bipalium kewense* Moseley, 1878. Add the following items.

Bipalium kewense: Blackshaw & Stewart, 1991: 201, 209.

Bipalium kewense: Cannon, Baker, Taylor & Moore, 1999: 598.

Bipalium kewense: Baguñà, Carranza, Paps, Ruiz-Trillo & Riutort, 2001: 51, table 6-1, 53, fig. 6-3, 54, fig. 6-4 (neighbour-joining tree based on 18S rDNA data).

Bipalium kewense: Boag & Yeates, 2001b: 1277-1278.

Bipalium kewense: Jones & Boag, 2001: 81.

Bipalium sp.: Kubota, 2001: 23-25, table 2. Shinjô Park, Tanabe City, Wakayama Pref., Honshû / Japan.

Note. Dr. Kubota's (2001) data includes 2 bipaliid species: *Bipalium kewense* and *Bipalium* sp. Nagasaki-5? See BFC39, pp. 111, 113.

BFC25. P. 97. *Bipalium nobile* Kawakatsu et Makino, 1982. Add the following items.

Bipalium nobile: Takahashi, 2000: 34, fig. 2 (DB). Okayama Pref., Honshû / Japan.

Bipalium nobile: Kitamoto, 2001: 2nd page, photos 1-3 in color (DB, DH, etc.). Kôbe City, Hyôgo Pref., Honshû / Japan.

Bipalium nobile: Nihon Keizai Shinbun, Nov. 25, 2001: 26. Tôkyô and the vicinity / Japan.

Bipalium nobile: Gunji, 2002: 184, figs. 3-6, 3-7 (DB, photos). Chôshi City, Chiba Pref. and Tôkyô, Honshû / Japan.

BFC25. P. 111. Insert a new collective group (genus) and species list before the References (see Part I of the present paper with Table 1). Notice the genera *Novibipalium* Kawakatsu, Ogren et Froehlich, 1998, and *Humbertium* Ogren et Sluys, 2001. BFC37, p. 94; BFC38, p. 85; BFC39, pp. 112-113.

Genus *Diversibipalium* Kawakatsu, Ogren, Froehlich et Sasaki, 2002 (collective group)

Literature: Part I of the present paper.

BFC25. Pp. 96-97. (Under *Bipalium*). *Diversibipalium multilineatum* (Makino et Shirasawa, 1983). Add the following item.

Bipalium multilineatum: Gunji, 2002: 184-185, figs. 3-8 (DB in color; schematic figures of both dorsal and ventral views). Chôshi City, Chiba Pref., Honshû / Japan.

UNDESCRIBED BIPALIID SPECIES (1987: BFC25, pp. 107-109; 1992: BFC30, pp. 73-75; 1993: BFC31, p. 81; 1994: BFC32, pp. 75-76; 1995: BFC33, pp. 80-81; 1996: BFC34, pp. 88-89; 1997: BFC35, p. 56; BFC37, p. 97; 2000: BFC38, pp. 84-85; 2001: BFC39, p. 113).

Note. Every undescribed Bipaliid Species will be listed under a collective group, *Diversibipalium*.

Diversibipalium sp. in Baguñà et al., 2001.

Bipalium sp.: Baguñà, Carranza, Paps, Ruiz-Trillo & Riutort, 2001: 51, table 6-1, 54, fig. 6-5 (neighbour-joining tree on 18S rDNA data).

Diversibipalium sp. of Chiba City-1. Gunji, 2002.

Bipalium sp. (or *Novibipalium* sp.) No. 1: Gunji, 2002: 186, fig. 3-11 (DB in color). Chiba City, Chiba Pref., Honshû / Japan.

Diversibipalium sp. of Chiba City-2. Gunji, 2002.

Bipalium sp. (or *Novibipalium* sp.) No. 2: Gunji, 2002: 186, fig. 3-12 (DB in color). Chiba City, Chiba Pref., Honshû / Japan.

Diversibipalium sp. of Darjeeling, India. Patra & Aditya, 2001.

Bipalium sp.: Patra & Aditya, 2001: 496-499, figs. 1-13 (DVB, etc.). Darjeeling (alt. 1830-2134m), West Bengal / India.

Note. According to the authors, the animal has 15 to 20cm long and 1 to 3 [?]cm with 3 to 5 yellow or black stripes on the dorsal surface

of the body.

BFC39. P. 113. (Under *Bipalium*). *Diversibipalium* sp. Nagasaki-5? Kawakatsu, Yamamoto, Ogren & Takai, 2000. Add the following item.

Bipalium sp.: Kubota, 2001: 23-25, table 2. Shinjô Park, Tanabe City, Wakayama Pref., Honshû / Japan.

Note. Dr. Kubota's (2001) data includes 2 bipaliid species: *Bipalium kewense* and *Bipalium* sp. Nagasaki-5? See BFC39, pp. 111, 113.

B. RHYNCHODEMIDAE INDEX, PART I: RHYNCHODEMINAE (1988: Bull Fuji Women's College, No. 26, Ser. II. 39-91; 1992: *Ibid.*, No. 30, Ser II, pp. 75-78; 1993: *Ibid.*, No. 31, Ser. II, p. 81; 1994: *Ibid.*, No. 32, Ser. II, p. 76; 1995: *Ibid.*, No. 33, Ser. II, p. 81; 1996: *Ibid.*, No. 34, Ser. II, p. 89; 1997: *Ibid.*, No. 35, Ser. II, pp. 56-57; 1998: *Ibid.*, No. 36, Ser. II, p. 76; 1999: *Ibid.*, No. 37, Ser. II, pp. 101-103; 2000: *Ibid.*, No. 38, Ser. II, pp. 85-86; 2001: *Ibid.*, No. 39, Ser. II, pp. 113-114).

BFC26. Pp. 57-58. *Dolichoplana striata* Moseley, 1877. Add the following items.

Dolichoplana striata: Blackshaw & Stewart, 1991: 201, 209.

Dolichoplana striata: Cannon, Baker, Taylor & Moore, 1999: 597.

Dolichoplana striata: Boag & Yeates, 2001b: 1277.

BFC26. Pp. 64-65. *Platydemus manokwari* de Beauchamp, 1962. Add the following items.

Platydemus manokwari: Blackshaw & Stewart, 1991: 216.

Platydemus manokwari: Baguñà, Carranza, Paps, Ruiz-Trillo & Riutort, 2001: 52, table 6-1, 54, fig. 6-5 (neighbour-joining tree based on 18S rDNA data).

BFC26. P. 71. *Rhynchodemus hallezi* von Graff, 1899. Add the following items.

Rhynchodemus hallezi: Cannon, Baker, Taylor & Moore, 1999: 597.

Rhynchodemus hallezi: Boag & Yeates, 2001b: 1277.

BFC26. Pp. 78-81. *Rhynchodemus sylvaticus* (Leidy, 1851). Add the following items.

Rhynchodemus sylvaticus: Blackshaw & Stewart, 1991: 209-210.

Rhynchodemus sylvaticus: Cannon, Baker, Taylor & Moore, 1999: 597.

Rhynchodemus sylvaticus: Boag & Yeates, 2001b: 1277.

UNDESCRIBED RHYNCHODEMIDAE (Rhynchodeminae) SPECIES (1998: BFC26, pp. 82-84; 1992: BFC30, p. 78; 1994: BFC32, p. 76; 1997: BFC35, p. 57; 2000: BFC38, p. 86; 2001: BFC39, p. 114).

BFC38. P. 86. *Dolichoplana* sp. of New South Wales & Queensland. Winsor, 1998. Add the following items.

Dolichoplana sp.: Cannon, Baker, Taylor & Moore, 1999: 605.

Dolichoplana sp.: Boag, & Yeates, 2001b: 1283.

C. RHYNCHODEMIDAE INDEX, PART II: MICROPLANINAE (1989: Bull Fuji Women's College, No. 27, Ser. II, pp. 53-111; 1992: *Ibid.*, No. 30, Ser. II, 78-80; 1993: *Ibid.*, No. 31, Ser. II, pp. 81-82; 1994: *Ibid.*, No. 32, Ser. II, 76-77; 1995: *Ibid.*, No. 33, Ser. II, p. 81; 1996: *Ibid.*, No. 34, Ser. II, p. 89; 1997: *Ibid.*, No. 35, Ser. II, p. 57; 1998: *Ibid.*, No. 36. Ser. II, pp. 76-77; 2000: *Ibid.*, No. 38, Ser. II, pp. 86-89; 2001: *Ibid.*, No. 39, Ser. II, p. 114).

BFC27. P. 66. *Microplana humicola* Vejdovský, 1890. Add the following item.

Microplana humicola: Boag & Yeates, 2001b: 1277.

BFC39. P. 114. *Microplana nana* Mateos, Giribet et Carranza, 1998. Cf. BFC38, p. 89, Commentary. Add the following item.

Microplana nana: Baguñà, Carranza, Paps, Ruiz-Trillo & Riutort, 2001: 51, table 6-1, 53, fig. 6-3, 54, figs. 6-4, 6-5 (neighbour-joining tree based on 18S rDNA data).

BFC27. Pp. 70-71. *Microplana scharffi* (von Graff, 1896). Add the following items.

Microplana scharffi: Blackshaw & Stewart, 1991: 201.

Microplana scharffi: Cannon, Baker, Taylor & Moore, 1999: 597.

Microplana scharffi: Boag & Yeates, 2001b: 1277.

BFC27. Pp. 72-77. *Microplana terrestris* (Müller, 1774). Add the following items.

Microplana terrestris: Blackshaw & Stewart, 1991: 201, 212.

Microplana terrestris: Cannon, Baker, Taylor & Moore, 1999: 597.

Microplana terrestris: Baguñà, Carranza, Paps, Ruiz-Trillo & Riutort, 2001: 52, table 6-1, 54, fig. 6-5 (neighbour-joining tree based on 18S rDNA data).

Microplana terrestris: Boag & Yeates, 2001b: 1277.

UNDESCRIBED RHYNCHODEMIDAE (Microplaninae) SPECIES (1988: BFC26, pp. 82-84; 1997: BFC35, p. 57; 2000: BFC38, p. 89; 2001: BFC39, p. 114).

Not reported during the past one year.

D. GEOPLANIDAE INDEX, PART I: GEOPLANINAE (1990: Bull. Fuji Women's College, No. 28, Ser. II, pp. 79-166; 1992: *Ibid.*, No. 30, Ser. II, pp. 80-89; 1993: *Ibid.*, No. 31, Ser. II, p. 82; 1994: *Ibid.*, No. 32, Ser. II, p. 77; 1995: *Ibid.*, No. 33, Ser. II, pp. 81-82; 1998: *Ibid.*, No. 36, Ser. II, pp. 77-78; 2000: *Ibid.*, No. 38, Ser. II, pp. 89-91; 2001: *Ibid.*, No. 39, Ser. II, pp. 114-117).

BFC28. P. 115. *Geoplana* (*Geoplana*) *beckeri* Froehlich, 1959. Add the following item.

Geoplana beckeri: Carbayo & Leal-Zanchet, 2001: 445-446.

BFC28. Pp. 116-117. *Geoplana* (*Geoplana*) *caapora* Froehlich, 1958. Add the following item.

Geoplana caapora: Carbayo & Leal-Zanchet, 2001: 445-446.

BFC28. P. 117. *Geoplana* (*Geoplana*) *carrierei* von Graff, 1897. Add the following item.

Geoplana carrierei: Carbayo & Leal-Zanchet, 2001: 445-446.

BFC28, P. 118. *Geoplana* (*Geoplana*) *chiuna* E. M. Froehlich, 1955. Add the following item.

Geoplana chiuna: Carbayo & Leal-Zanchet, 2001: 445.

BFC28. Pp. 118-119. *Geoplana* (*Geoplana*) *crawfordi* de Beauchamp, 1939. Add the following item.

Geoplana crawfordi: Carbayo & Leal-Zanchet, 2001: 445.

BFC28. P. 119. *Geoplana* (*Geoplana*) *crioula* E. M. Froehlich, 1955. Add the following item.

Geoplana crioula: Carbayo & Leal-Zanchet, 2001: 445-446.

BFC28. Pp. 120-121. *Geoplana* (*Geoplana*) *fragai* Froehlich, 1955. Add the following item.

Geoplana fragai: Carbayo & Leal-Zanchet, 2001: 445.

BFC28. P. 121. *Geoplana* (*Geoplana*) *gaucha* Froehlich, 1959. Add the following item.

Geoplana gaucha: Carbayo & Leal-Zanchet, 2001: 445-446.

BFC28. Pp. 121-122. *Geoplana* (*Geoplana*) *goettei* Schirch, 1929. Add the following item.

Geoplana goettei: Carbayo & Leal-Zanchet, 2001: 445.

BFC28. P. 122. *Geoplana* (*Geoplana*) *incognita* Riester, 1938. Add the following item.

Geoplana incognita: Carbayo & Leal-Zanchet, 2001: 445.

BFC28. P. 123. Insert a new species and a new species list next to *Geoplana* (*G.*) *joia*. *Geoplana* (*Geoplana*) *josefi* Carbayo et Leal-Zanchet, 2001.

Geoplana josefi sp. nov.: Carbayo & Leal-Zanchet, 2001: figs. 1-17 (DB, AE, FCA, HI, PCA, and schematic figure of the pharynx). São Francisco de Paula, Rio Grande do Sul / Brazil.

BFC28. P. 123. *Geoplana* (*Geoplana*) *ladislavii* von Graff, 1899. Add the following item.

Geoplana ladislavi: Baguñà, Carranza, Paps, Ruiz-Trillo & Riutort, 2001: 51, table 6-1, 54, fig. 6-5 (neighbour-joining tree on 18S rDNA data). Spelling error. Note. The specific name is *ladislavii*, not "*ladislavi*".

BFC28. P. 142. Under *Notogynaphallia matuta*. *Geoplana* (*Geoplana*) *matuta* Froehlich, 1955. Add the following item.

Geoplana matuta: Carbayo & Leal-Zanchet, 2001: 445.

BFC28. P. 126. *Geoplana* (*Geoplana*) *mirim* E. M. Froehlich, 1972. Add the following item.

Geoplana mirim: Carbayo & Leal-Zanchet, 2001: 445-446.

BFC28. P. 127. *Geoplana* (*Geoplana*) *multicolor* von Graff, 1899. Add the following item.

Geoplana multicolor: Carbayo & Leal-Zanchet, 2001: 445-446.

BFC28. P. 129. *Geoplana* (*Geoplana*) *phocaica* Marcus, 1951. Add the following item.

Geoplana phocaica: Carbayo & Leal-Zanchet, 2001: 445.

BFC28. P. 123. *Geoplana* (*Geoplana*) *placilla* E. M. Froehlich, 1978. Add the following item.

Geoplana placilla: Carbayo & Leal-Zanchet, 2001: 445.

BFC28. Pp. 129-130. *Geoplana* (*Geoplana*) *polyophthalma* von Graff, 1899. Add the following item.

Geoplana polyophthalma: Carbayo & Leal-Zanchet, 2001: 446.

BFC28. P. 130. *Geoplana* (*Geoplana*) *preta* Riester, 1938. Add the following item.

Geoplana preta: Carbayo & Leal-Zanchet, 2001: 445.

BFC28. P. 130. Insert a new name and its list next to *Geoplana* (*G.*) *preta*. *Geoplana* (*Geoplana*) *prudhoei* Kawakatsu, Ogren Froehlich et Sasaki, nom. nov. [nec *Planaria vaginuloides* Darwin, 1844]. Add the following items.

Geoplana vaginuloides: Prudhoe, 1949a: 422-424, fig. 2 (FCA). Mount Aripo, Trinidad / Trinidad and Tobago.

Geoplana vaginuloides: C. G. Froehlich, 1967: 159.

Geoplana vaginuloides: Prudhoe (non Darwin), 1949: Carbayo & Leal-Zanchet, 2001: 445.

Note. *Geoplana* (*Geoplana*) *vaginuloides* (Darwin,

1844) was at first described from Rio de Janeiro under the name of "*Planaria vaginuloides*." Riester (1938) gave a redescription of this species (including genital anatomy with FCA) from the same area under the name of *Geoplana vaginuloides*.

Later, Prudhoe (1949) reported the occurrence of sexual specimens of this Brazilian species in Mount Aripo, Trinidad, in Trinidad and Tobago. This Prudhoe's record is listed in the Land Planarian Indices Series as 'Misidentification?' in the items of *Geoplana* (*G.*) *vaginuloides* (Darwin, 1844) (cf. Ogren & Kawakatsu, 1990: 134). This is due to C. G. Froehlich's (1967: 159) note: '*G. vaginuloides*, Prudhoe (not Darwin), Trinidad.'

Carbayo & Leal-Zanchet (2001: 445, table 3) considered that Prudhoe's (1949) *Geoplana vaginuloides* is different from Brazilian species described at first by Darwin (1844). The authors share the opinions proposed by C. G. Froehlich (1967a) and Carbayo & Leal-Zanchet (2001). A new name is proposed for Trinidad species.

BFC28. P. 132. ***Geoplana* (*Geoplana*) *saima*** du Bois-Reymond Marcus, 1951. Add the following item.

Geoplana saima: Carbayo & Leal-Zanchet, 2001: 445.

BFC28. P. 132. ***Geoplana* (*Geoplana*) *suva*** Froehlich, 1959. Add the following item.

Geoplana suva: Carbayo & Leal-Zanchet, 2001: 445.

BFC28. P. 133. ***Geoplana* (*Geoplana*) *tapira*** Froehlich, 1958. Add the following item.

Geoplana tapira: Carbayo & Leal-Zanchet, 2001: 445.

BFC28. Pp. 133-134. ***Geoplana* (*Geoplana*) *trigueira*** E. M. Froehlich, 1955. Add the following item.

Geoplana trigueira: Carbayo & Leal-Zanchet, 2001: 437, 446

BFC28. P. 145. Under *Notogynaphallia tuxaua*. ***Geoplana* (*Geoplana*) *tuxaua*** E. M. Froehlich, 1955. Add the following item.

Geoplana tuxaua: Carbayo & Leal-Zanchet, 2001: 445.

UNDESCRIBED GEOPLANIDAE (Geoplaninae) SPECIES (1990: BFC28, pp. 162-165; 1994: BFC32, p. 77; 2000: BFC38, p. 91; 2001: BFC39, p. 117)

Not reported during the past one year.

E. GEOPLANIDAE INDEX, PART II: CAENOPLANINAE AND PELMATOPLANINAE (1991: Bull. Fuji Women's College, No. 29, Ser. II, pp. 25-102; 1992: *Ibid.*, No. 30, Ser. II, pp. 89; 1993: *Ibid.*, No. 31, Ser. II, pp. 82-83; 1994: *Ibid.*, No. 32, Ser. II, pp. 77-82; 1995: *Ibid.*, No. 33, Ser. II, pp. 81-82; 1996: *Ibid.*, No. 34, Ser. II, p. 90; 1997: *Ibid.*, No. 35, Ser. II, pp. 58-59; 1999: *Ibid.*, No. 37, Ser. II, pp. 94-97; 2000: *Ibid*, No. 38, Ser. II, pp. 91-94; 2001: *Ibid.*, No. 39, Ser. II, pp. 117-118).

BFC37. Pp. 94-95. ***Arthurdendyus albidus*** Jones et Gerard, 1999. Add the following items.

lin851 *Arthurdendyus albidus*: Cannon, Baker, Taylor & Moore, 1999: 598.

Arthurdendyus albidus: Boag & Yeates, 2001b: 1277, 1282-1283.

Arthurdendyus albida: Boag & Yeates, 2001b: 1283. Spelling error.

Arthurdendyus albidus: Jones & Boag, 2001: 81.

BFC29. Pp. 36-37 (Under *Artioposthia*). BFC37. P. 95. ***Arthurdendyus australis*** (Dendy, 1894). Add the following items.

Geoplana triangulata var. *australis*: Blackshaw & Stewart, 1991: 203.

Arthurdendyus australis: Boag & Yeates, 2001b: 1277, 1283.

BFC29. P. 58. (Under *Artioposthia*.) BFC37. P. 95. ***Arthurdendyus testaceus*** (Hutton, 1880). Add the following items.

Artioposthia testacea: Baguñà, Carranza, Paps, Ruiz-Trillo & Riutort, 2001: 51, table 6-1, 54, fig. 6-5 (neighbour-joining tree on 18S rDNA data).

Arthurdendyus testaceus: Boag & Yeates, 2001b: 1283.

BFC29. P. 41. (Under *Artioposthia*.) BFC37. Pp. 94-96. ***Arthurdendyus triangulatus*** (Dendy, 1895). Add the following items.

Artioposthia triangulata: Anonymy, 1963: 17-18. N. Ireland / U. K.

Artioposthia triangulata: Anonymy, 1964: 13-14. N. Ireland / U. K.

Artioposthia triangulata: Blackshaw & Stewart, 1991: 201-217, figs. 1 (DB), 2-3 (distribution maps in N. Ireland and Scotland), 4 (coefficients of genetic similarity for geographically isolated populations). N. Ireland and Scotland / U. K.

Artioposthia triangulata: Stewart & Blackshaw, 1993: 459-467, figs. 1-4 (European distribution map, genetic relationship among 13 populations, etc.). N. Ireland / U. K.

Artioposthia triangulata: Baufeld, Motte & Unger, 1996: 14-17, fig. 1 (DB, cocoon). N. Germany.

Artioposthia triangulata: Blackshaw, 1996: 1089-1092.

Artioposthia triangulata: Hogan & Dunne, 1996: 210-211, fig. 1 (the latest distribution map in the Republic of Ireland). Ireland.

Arthurdendyus triangulatus: Cannon Baker, Taylor & Moore, 1999: 597-611, pl. 1 (DB, VB, cocoon), figs. 1-3 (distribution map in N. Ireland, Scotland and England) / U. K.

Arthurdendyus triangulatus: Boag, 2000: 79-83, fig. 1 (map). Dunoon, Scotland / U. K.

Artioposthia triangulata: Baguñà, Carranza, Paps, Ruiz-Trillo & Riutort, 2001: 51, table 6-1, 53, fig. 6-3, 54, fig. 6-4 (neighbour-joining tree on 18S rDNA data).

Arthurdendyus triangulatus: Boag & Yeates, 2001a: 50-56, figs. 1 (DB and a cocoon in color) and 2 (change of the distribution in Scotland between 1965 and 1994).

Arthurdendyus triangulatus: Boag & Yeates, 2001b: 1276-1286, figs. 1-3 (distribution maps etc.).

Arthurdendyus triangulatus: Dynes, Fleming & Murchie, 2001: 165-172, figs. 1-4 (distribution map in N. Ireland, Scotland, England, and New Zealand (S. Island), etc.). U. K.; New Zealand.

Arthurdendyus triangulatus (=*Geoplana triangulata*; =*Artioposthia triangulata*): Jones & Boag, 2001: 77-81.

Arthurdendyus triangulatus: Jones, Santoro, Boag & Neilson, 2001: 75-91, figs. 1-11 (distribution maps, etc.).

BFC29. Pp. 37-38. *Artioposthia diemenensis* (Dendy, 1894). Add the following item.

Geoplana diemenensis: Cannon, Baker, Taylor & Moore, 1999: 604.

BFC29. P. 52. (Under *Australopacifica*.) BFC31. Pp. 72-73. *Artioposthia mortoni* (Dendy, 1894). Add the following item.

Geoplana mortoni: Cannon, Baker, Taylor & Moore, 1999: 604.

BFC31. Pp. 73-74. *Australoplana sanguinea sanguinea* (Moseley, 1877). See BFC29, pp. 54-55. *Australopacifica sanguinea* (Moseley, 1877). Add the following items.

Geoplana sanguinea: Blackshaw & Stewart, 1991: 201.

Australoplana sanguinea: Baguñà, Carranza, Paps, Ruiz-Trillo & Riutort, 2001: 57, table 6-1, 53, fig. 6-3, 54, fig. 6-4 (neighbour-joining tree on 18S rDNA data).

BFC31. Pp. 73-74. *Australoplana sanguinea alba* (Dendy, 1891). See BFC29, pp. 54-55. *Australopacifica sanguinea* (Moseley, 1877); BFC29, pp. 61-62. *Caenoplana alba* (Dendy, 1891); BFC36, p. 78. Add the following items.

Australoplana sanguinea (Moseley) var. *alba* sensu Jones (1981a): Cannon, Baker, Taylor & Moore, 1999: 598.

Australoplana sanguinea alba: Boag & Yeates, 2001b: 1277, 1280, 1283.

Australoplana sanguinea alba: Jones & Boag, 2001: 81.

BFC29. Pp. 62-63. *Caenoplana coerulea* Moseley, 1877. See BFC31, 74. *Caenoplana coerulea* Moseley, 1877. Add the following items.

Caenoplana coerulea: Cannon, Baker, Taylor & Moore, 1999: 598.

Caenoplana caerulea: Baguñà, Carranza, Paps, Ruiz-Trillo & Riutort, 2001: 51, table 6-1, 53, fig. 6-3, 54, fig. 6-4 (neighbour-joining tree based on 18S rDNA data). Spelling error. Note. The specific name is *coerulea*, not "*caerulea*".

Caenoplana coerulea: Boag & Yeates, 2001b: 1277.

BFC29. P. 69. *Endeavouria septemlineata* (Hyman, 1939). Add the following item.

Geoplana septemlineata: Blackshaw & Stewart, 1991: 209, 212.

BFC29. P. 79. *Kontikia andersoni* Jones, 1981. Add the following items.

Kontikia andersoni: Blackshaw & Stewart, 1991: 201.

Kontikia andersoni: Cannon, Baker, Taylor & Moore, 1999: 597.

Kontikia andersoni: Boag & Yeates, 2001: 1277.

BFC29. P. 84. *Kontikia ventrolineata* (Dendy, 1892). Add the following item.

Kontikia ventrolineata: Boag & Yeates, 2001b: 1277.

BFC29. Pp. 85-87. *Newzealandia graffii* (Dendy, 1895). Add the following item.

Pelmatoplana graffi: Blackshaw & Stewart, 1991: 209.

BFC29. P. 44. (Under *Australopacifica*.) BFC31. P. 76. *Parakontikia coxii* (Fletcher et Hamilton, 1888). Add the following items.

Caenoplana coxii: Cannon, Baker, Taylor & Moore, 1999: 597.

Australopacifica coxii: Boag & Yeates, 2001b: 1277.

BFC29. Pp. 57-58. (Under *Australopacifica*.) BFC31. P. 77. *Tasmanoplana tasmaniana* (Darwin, 1844). Add the following item.

Geoplana tasmaniana: Cannon, Baker, Taylor & Moore, 1999: 604.

UNDESCRIBED GEOPLANIDAE (Caenoplaninae) SPE-

CIES (1991: BFC29, pp. 95-96; 1994: BFC32, p. 82; 1997: BFC35, p. 59; 1998: BFC36, p. 78; 2000: BFC38, pp. 94-95; 2001: BFC39, p. 118.)

Artioposthia sp. in Baguñà et al., 2001.

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Note. The species mentioned in 5 original papers published in Shibukitsubo (1998-2001) are: *Bipalium fuscatum*?, *Bipalium nobile*, *Bipalium* sp. from Vladivostok, *Bipalium kewense*, and *Bipalium multilineatum*.

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