

## **MISCELLANEOUS PAPERS ON "TURBELLARIANS"**

By

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

### **ARTICLE II**

#### **ADDITIONS AND CORRECTIONS OF THE PREVIOUS LAND PLANARIAN INDICES OF THE WORLD (PLATYHELMINTHES, SERIATA, TRICLADIDA, CONTINENTICOLA, GEOPLANOIDEA)**

#### **ADDITIONS AND CORRECTIONS OF THE PREVIOUS LAND PLANARIAN INDICES OF THE WORLD-22**

By MASAHARU KAWAKATSU, EUDÓXIA MARIA FROEHLICH  
and HUGH D. JONES

### **INTRODUCTION**

The present publication is a continuation of our Land Planarian Indices Series. An 'Additions and Corrections of the Previous Land Planarian Indices of the World -22' is given.

Abbreviations for publications of the Land Planarian Indices Series: BFC = Bulletin of Fuji Women's College, Ser. II; BFU = Bulletin of Fuji Women's University, Ser. II (after 2002); OC = Occasional Publications, Biological Laboratory of Fuji Women's College, Sapporo (Hokkaidô), Japan; KWLP = Kawakatsu's Web Library on Planarians.

Abbreviations for figures and photographs cited: AE, arrangement of eyes; CP, parts of the body showing the color pattern(s); DB, dorsal view of the body; DH, dorsal view of the head; DRB, diagrammatic representation of the body (schematic figure); DVB, dorsal and ventral views of the body; DVH, dorsal and ventral views of the head; FCA, schematic figure of the copulatory apparatus; FGO, schematic figure of the genital organ; FP, schematic figure of the pharynx; FTS, schematic figure of transverse section(s); HI, histological figure(s); PCA, photographs of the copulatory apparatus; VH, ventral view of the head.

**Note.** KAWAKATSU & SASAKI's WEBPAGES ON PLANARIANS, SAPPORO AND TÔKYÔ (ISSN 1348 - 3412) is a continuation from the Occ. Publ. Biol. Lab. Fuji Women's College, Sapporo (Hokkaidô), Japan: Nos. 1-34, for 1970-2000 (ISSN 0917-4362).

The pdf versions of the <Land Planarian Indices Series> (published after 2001 to 2004) are available at Kawakatsu's New Website. Left button: Planarian.net mirror. Lists of publications on Japanese "Turbellarians": 2001, 2002, 2003, 2004. For the recent publications of this series (2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013), see the same Website. Left buttons: Miscellaneous 05, Miscellaneous 06, Miscellaneous 07, Miscellaneous 08, Miscellaneous 09, Miscellaneous 10, Miscellaneous 11, Miscellaneous 12, Miscellaneous 13. See also MiscelAdd 13.

## ADDITIONS AND CORRECTIONS OF THE PREVIOUS LAND PLANARIAN INDICES OF THE WORLD – 22

### A. BIPALIINAE INDEX

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

*Bipalium adventitium*: McDonald & Jones, 2013: 25.

*Bipalium adventitium*: Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 3, 7, 17, 21 (fig. 12), 21 (fig. 13). Spain.

*Bipalium adventitium*: Justine, Winsor, Gey, Gros & Thévenot, 2014: 15. France.

*Bipalium adventitium*: Stokes, Ducey, Neuman-Lee, Hanifin, French, Pfrender, Brodie III & Brodie Jr, 2014: 1-5. New York / U.S.A.

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

*Bipalium kewense*: Negrete & Brusa, 2012: 227.

*Bipalium kewense*: McDonald & Jones, 2013: 25.

*Bipalium kewense*: Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 1, 3, 5-7, 14 (fig. 4 DB in color), 17, 21 (figs 12 and 13), 23-24, 27. Spain.

*Bipalium kewense*: Justine, Thévenot & Winsor, 2014: 30. France.

*Bipalium kewense*: Justine, Winsor, Gey, Gros & Thévenot, 2014: 1, 3, 7. France.

*Bipalium kewense*: Stokes, Ducey, Nauman-Lee, Hanifin, French, Pfrender, Brodie III & Brodie Jr, 2014: 1-5. California / U.S.A.

BFC25. P. 97. ***Bipalium nobile* Kawakatsu & Makino, 1982.** Add the following item.

*Bipalium nobile*: Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 7, 21 (fig. 13). Japan? (or Korea?).

*Bipalium nobile*: Justine, Thévenot & Winsor, 2014: 30. Photos 7 and 8 (DB in color). See **Note** for *Diversibipalium multilineatum* (Makino & Shirasawa, 1983).

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

*Bipalium multilineatum*: Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 7, 21 (fig. 13). Korea.

*Bipalium nobile*: Justine, Thévenot & Winsor, 2014: 30. Photos 7 and 8 (DB in color).

**Note.** The bipaliid worm found in France attained 20 to 40 cm in length. Judging from the color photographs of living specimens (figs 7 and 8 on p. 30), it may be *Diversibipalium multilineatum* (Makino & Shirasawa, 1983). Of. Kawakatsu, Ogren, Froehlich & Murayama, 2001 (fig. 2 on p. 44).

BFC25. P. 106. (Under *Bipalium*). BF037. P. 94. ***Novibipalium venosum* (Kaburaki, 1922).** Add the following item.

*Bipalium venosum*: Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 7.

*Novibipalium venosum* (Japan): Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 21 (fig. 13). Japan

### UNDESCRIBED BIPALIINAE SPECIES

KWLP2012. P. 12.

*Bipalium* sp. Japan. Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 7 (table 2), 21 (fig. 12). Japan.

*Diversibipalium* sp. (species of Bangalore 1). Jayashankar, 2014. See also ENVIS Center, 2014.

*Diversibipalium* sp. (species of Bangalore 2). Jayashankar, 2014. See also ENVIS Center, 2014.

**Note.** The author mentioned briefly about the previous studies on Indizan bipaliid land planarians. Cf. Kawakatsu's Web Library on Planarians. <http://www.riverwin.jp/pl> . Left button: India LPs.

### B. MICROPLANINAE INDEX

KWLP09. P. 13. ***Microplana groga* Jones, Webster, Littlewood & McDonald, 2008.**

Add the following item.

*Microplana groga*: Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 7, 21 (fig. 13). Spain.

KWLP09. P. 14. ***Microplana kwiskea* Jones, Webster, Littlewood & McDonald, 2008.**

Add the following item.

*Microplana kwiskea*: McDonald & Jones, 2013: 2.

BFC39. P. 114. ***Microplana nana* Mateos, Girbet & Garranza, 1998.** Add the following item.

*Microplana nana*: Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 7, 21 (fig. 12). Spain.

KWLP2011. P. 25. ***Microplana robusta* Vila-Farré & Sluys, 2011.** Add the following item.

*Microplana robusta*: Justine, Winsor, Gey, Gros & Thévenot, 2014: 7. France.

BFC27. Pp. 70-71. ***Microplana scharffi* (Von Graff, 1896)**. Add the following items.  
*Microplana scharffi*: McDonald & Jones, 2013: 2.

BFC27. Pp. 72-77. ***Microplana terrestris* (Müller, 1774)**. Add the following items.  
*Microplana terrestris*: McDonald & Jones, 2013: 1-33, fig. 1 (A-F: DB, cocoons).  
*Microplana terrestris*: Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 7, 21 (figs 12 and 13).  
*Microplana terrestris*: Justine, Thévenot & Winsor, 2014: 28. France.  
*Microplana terrestris*: Justine, Winsor, Gey, Gros & Thévenot, 2014a: 7. France.  
*Microplana terrestris*: Mienis, 2014: 11-12 (fig. 1: DB), 13. The Netherlands.

### UNDESCRIBED MICROPLANINAE SPECIES

KWLP2012. P. 13.  
None reported during the past year.

### RHYNCHODEMINAE INDEX PART I: RHYNCHODEMINI

KWLP2012. P. 13.  
None reported during the past year.

#### Tribe Rhynchodemini Von Graff, 1896

KWLP2012. Pp. 13-14.

BFC26. Pp. 57-58. ***Dolichoplana striata* Moseley, 1877**. Add the following items.  
*Dolichoplana striata*: Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 3, 6, 9, 14, 18 (fig. 8 DVB in color), 20-21 (fig. 12), 23 (figs 15 and 16), 24, 27. Brazil.  
*Dolichoplana striata*: Justine, Winsor, Gey, Gros & Thévenot, 2014: 1, 3.

BFC26. Pp. 64-65. ***Platydemus manokwari* De Beauchamp, 1962**. Add the following items.  
*Platydemus manokwari* De Beauchamp, 1962: Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 3, 9, 21 (fig. 12), 23 (figs 15 and 16). Australia.  
*Platydemus manokwari*: Justine, Thévenot & Winsor, 2014: 29, 31, figs 11 and 12 (DB, CP). France.  
*Platydemus manokwari*: Justine, Winsor, Gey, Gros & Thévenot, 2014: 1, 3-5 (figs 1-3 DB and DH in color), 6 (figs 4 and 5 DVB in color), 7-8 (fig 6: a map of world-wide distribution of *P. manokwari*), 9-15.

**Note.** On the map of world-wide distribution of *Platydemus manokwari*, the three localities of Japan are shown, i.e., Yokohama, Ryûkyû Okinawa and Ogasawara (i.e., 3 red circles). The following explanations are necessary.

i). Yokohama City, Kanagawa Prefecture in the Kantô Region, Honshû, Japan. Since it was based upon wrong information, there is no field record of *P. manokwari* in Yokohama. Cf. Kawakatsu, Froehlich, Jones & Sasaki (2006, ARTICLE II, p. 27. Explanatory Comments: The fate of living specimens of *Platydemus manokwari* sent to Yokohama, Japan, 1985. <http://www.riverwin.jp/pl/>. Left button: Miscellaneous 06. ARTICLE II. See also Kawakatsu, Ogren & Muniappan (1992).

ii). Okinawa is a name of the main island of the Ryûkyû Islands (i.e., The Southwest Islands of Japan).

iii). Ogasawara means the Ogasawara Islands (including several islands).

For ii) and iii), see Kawakatsu & Sasaki (2004).

<http://www.riverwin.jp/pl/>. Left button: Planarian net mirror. No. 43.

<http://planarian.net/kswp/45/jmap.pdf>.

BFC26. Pp. 65-66. ***Platydemus pindaudei* De Beauchamp, 1972.** Add the following item.

*Platydemus pindaudei*: Justine, Winsor, Gey, Gros & Thévenot, 2014: 7.

BFC27. Pp. 78-81. ***Rhynchodemus sylvaticus* (Leidy, 1851).** Add the following items.

*Rhynchodemus sylvaticus*: Álvarez-Presas, Mateos, Tudó, Jones Riutort, 2014: 15, 22, 28 (fig. 15), 25. Spain.

*Rhynchodemus* cf. *sylvaticus*: Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 10, 31 (fig. 12), 22-23 (fig. 16), 25. Spain.

*Rhynchodemus sylvaticus*: Glasgow & Pierce, 2014: 11-14 (figs 1-7, DB, DH, HI). Great Smoky Mountains National Park, Tennessee and North Carolina / U.S.A.

**Note.** Two synonyms of *Rhynchodemus sylvaticus* are listed. They are as follows:

*Rhynchodemus americanus* (Hyman, 1954) and *Rhynchodemus bilineatus* (Mecznikov, 1865).

*Rhynchodemus sylvaticus*: Justine, Thévenot & Winsor, 2014: 28. France.

*Rhynchodemus sylvaticus*: Mienis, 2014: 11, 13 (fig. 2: DB), 14. The Netherlands.

## UNDESCRIBED RHYNCHODEMINAE (RHYNCHODEMINI) SPECIES

KWLP2013. P. 18.

*Dolichoplana* sp.: Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 9, 21 (fig. 12), 23 (fig. 16).

*Platydemus* sp. in Málaga. Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 3.

*Rhynchodemini* morpha Ri1: Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 10. Spain.

- Rhynchodemini morpha Rs 1: Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 9, 19 (DV in color), 21 (fig. 12), 23 (fig. 16).
- Rhynchodemus* Ri1. Álvarez-Presas, Mateos, Tudó, Jones & 5, 25, 27. Iberian Peninsula Spain.
- Rhynchodemus* Ro2 in Girona. Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014-: 3.
- Rhynchodemus* Rs1: Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 5-7, 15, 24-25, 27-28.
- Rhynchodemini sp. 2 (Panama). Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 23 (fig. 16). Panama.
- Rhynchodemus* sp. 3: Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: Rhynchodemini sp. 3 (Panama). Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 23 (fig. 16).
- Rhynchodemus* sp.: Amaral, Hack, Iturralde & Leal-Zanchet, 2014: 3 (table 1).
- Rhynchodemus* sp.: Glasgow & Pierce, 2014: 11.
- Rhynchodemus* sp.: Oliveira, Boll, Baptista & Leal-Zanchet, 2014: 2, 5.
- Rhynchodemus* sp. 2: Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 10. Panama.

#### D. RHYNCHODEMINAE INDEX PART II: CAENOPLANINI

KWLP2013. P. 18.

##### Tribe Caenoplanini Ogren & Kawakatsu, 1991

- BFC29. P. 41. (Under *Artioposthia*). BFC37. Pp. 94-96. *Arthurhendyus triangulatus* (Dendy, 1895). Add the following items.  
*Arthurhendyus triangulatus*: McDonald & Jones, 2013: 23-30.  
*Arthurhendyus triangulatus*: Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 3, 7 (New Zealand), 21 (fig. 12), 23 (figs 15 and 16).  
*Arthurhendyus triangulatus*: Justine, Thévenot & Winsor, 2014: 29, 31. France.  
*Arthurhendyus triangulatus*: Justine, Winsor, Gey, Gros & Thévenot, 2014: 1, 13-14.
- BFC29. P. 43. *Australopacifica bicolor* (Von Graff, 1899). *Caenoplana bicolor* (Von Graff, 1899). Add the following item.  
*Caenoplana bicolor*: Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 6-7, 13, 15 (fig. 5 DB in color), 18, 20-21 (fig. 12), 23 (fig. 15), 24, 27. Spain.
- BFC29. P. 58. *Australopacifica testacea* (Hutton, 1880). BFC 37. P. 95. *Arthurhendyus testaceus* (Hutton, 1880). Add the following item.  
*Artioposthia testacea*: Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 7, 21 (fig. 12), 23 (fig. 15). Australia.
- BFC31. Pp. 73-74. *Australopacifica sanguinea alba* (Dendy, 1891). See also BFG29, pp. 54-55. *Australopacifica sanguinea* (Moseley, 1877); BFG29, pp. 61-62. *Caenoplana*

*alba* (Dendy, 1891); BFC36, p. 78. *Australoplana sanguinea alba* (Dendy, 1891).  
Add the following items.

*Australoplana sanguinea alba*: McDonald & Jones, 2013: 29.

*Australoplana sanguinea alba*: Justine, Thévenot & Winsor, 2014: 30-31. France.

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

*Caenoplana coerulea*: Negrete & Brusa, 2012: 227.

*Caenoplana coerulea*: Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 3, 5-6, 12-14, 18, 20, 25, 27-28. Australia.

*Caenoplana coerulea* s.l.: Álvarez-Presas, Mateos, Tudó & Riutort, 2014: 7-8. New Zealand, Australia.

*Caenoplana coerulea*: Justine, Thévenot & Winsor, 2014: 30-31, figs 9 and 10 (DB). France.

BFC29. P. 67. ***Caenoplana spenceri* (Dendy, 1890).** Add the following item.

*Caenoplana spenceri*: Justine, Winsor, Gey, Gros & Thévenot, 2014: 15.

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

*Kontikia ventrolineata*: Álvarez-Presas, Mateos, Tudó, Jones Riutort, 2014: 5, 9, 14, 19 (fig. 9 DB in color), 21 (fig. 12), 23 (fig. 16), 24-25, 27-28. Australia.

*Parakontikia ventrolineata*: Justine, Thévenot & Winsor, 2014: 29 (figs 3-4 DB), 31. France.

**Note.** *Parakontikia* Winsor, 1991 is a synonym of *Kontikia* Froehlich, 1955.  
Cf. Jones, & Winsor, 1998. *Hydrobiologia*, 383: 91-96.

#### **Tribe Anzoplanini Winsor, 2006**

KWLP2012. P. 15.

None reported during the past year.

#### **Tribe Argaplanini Winsor, 2011**

KWLP2012. P. 15.

None reported during the past year.

#### **Tribe Eudoxiatoplanini Winsor, 2009**

KWLP2012. P. 15.

None reported during the past year.

#### **Tribe Pelmatoplanini Ogren & Kawakatsu, 1991**

KWLP2012. P. 15.

None reported during the past year.

### **UNDESCRIBED RHYNCHODEMINAE SPECIES**

KWLP2012. P. 16. Tribe Caenoplanini. Add the following items.

*Artioposthia* sp. Australia. Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 7 (table 2), 21 (fig. 12), 22 (fig. 15), 23 (fig. 16).

*Australoplana* sp. New Zealand. Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 7 New Zealand, 21 (fig. 12), 22 (fig. 15), 23 (fig. 16).

*Caenoplana* Ca1. Iberian Peninsula. Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 5-6. Spain.

*Caenoplana* Ca2. Iberian Peninsula. Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 6, 18. Spain.

*Caenoplana* C02. Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 27.

*Caenoplana* sp. 1. Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 7, 21 (fig. 12), 2 (fig. 15), 23 (fig. 16).

*Caenoplana* sp. 4. Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 7, 23 (fig. 15).

*Caenoplana* sp. morph Ca1: Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 8, 16 (fig. 6 DB in color), 21 (fig. 12), 23 (fig. 15), 24. See the following web page.

<http://www.ncbi.nlm.nih.gov/axonomy/Browser/wwwtax.cg?id=1520504>

*Caenoplana* sp. morph Ca2: Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 9, 17 (fig. 7 DVB in color), 21 (fig. 12), 23 (fig. 15), 24. See the following web page. File://E:\Taxonomy browser (Caenoplana sp.morph Ca2).html .

KWLP2012. Pp. 18-19 (and others).

(Anzoplanini, Argaplanini, Eudoxiatopoplanini and Pelmatoplanini)

None reported during the past year.

## E. GEOPLANINAE INDEX

BFU42. P. 91. ***Cephaloflexa araucariana* Carbayo & Leal-Zanchet, 2003.** Add the following item.

*Cephaloflexa araucariana*: Oliveira, Boll, Baptista & Leal-Zanchet, 2014: 2, 5. Brazil.

BFU42. P. 91. ***Cephaloflexa bergi* (Von Graff, 1899).** Add the following items.

*Cephaloflexa bergi*: Barbieri Jr., Oliveira & Carbayo, 2013: 8 (fig. 4 DB in color - 4 photos). Brazil.

*Cephaloflexa bergi*: Álvarez-Presas, Sánchez-Gracia, Garbayo, Rozas & Riutort, 2014: 656-660, 662-665. Brazil.

KWLP2012. Pp. 16-17. ***Choeradoplana banga* Carbayo & Froehlich, 2012.** Add the following items.

*Choeradoplana banga*: Negrete & Bursa, 2012: 236.

*Choeradoplana banga*: Barbieri Jr., Oliveira & Garbayo, 2013: 7 (fig. 2 DB in colour). Brazil.

BFC28. P. 95. ***Choeradoplana bilix* Marcus, 1951.** Add the following item.

*Choeradoplana bilix*: Negrete & Brusa, 2012: 236.



- KWLP2012. P. 17. ***Choeradoplana bocaina* Carbayo & Froehlich, 2012.** Add the following item.  
*Choeradoplana bocaina*: Negrete & Brusa, 2012: 236.
- BFC28. P. 95. ***Choeradoplana catua* Froehlich, 1955.** Add the following item.  
*Choeradoplana catua*: Negrete & Brusa, 2012: 236.
- BFC28. P. 95. Insert a new species and list before *Choeradoplana bilix* Marcus, 1951.  
***Choeradoplana crassiphalla* Negrete & Brusa, 2012.**  
*Choeradoplana crassiphalla* n. sp. Negrete & Brusa, 2012: 228-236 (figs 1-7, DVB in color, HI, FCA, FGO, FP, PGA). Atlantic Forest / Argentina.  
*Choeradoplana crassiphalla*: Negrete, Colpo & Brusa, 2014: 2.
- BFC28. P. 95. ***Choeradoplana ehrenreichi* Von Graff, 1899.** Add the following item.  
*Choeradoplana ehrenreichi*: Negrete & Brusa, 2012: 236.
- KWLP2012. P. 17. ***Choeradoplana gladismariae* Carbayo & Froehlich, 2012.** Add the following item.  
*Choeradoplana gladismariae*: Negrete & Brusa, 2012: 236.
- BFC28. Pp. 95-96. ***Choeradoplana iheringi* Von Graff, 1899.** Add the following items.  
*Choeradoplana iheringi*: Negrete & Brusa, 2012: 236.  
*Choeradoplana iheringi*: Amaral, Hack, Iturralde & Leal-Zanchet, 2014: 1, 3-4.  
*Choeradoplana iheringi*: Negrete, Golpo & Brusa, 2014: 7.  
*Choeradoplana iheringi*: Oliveira, Boll, Baptista & Leal-Zanchet, 2014: 2.
- BFC28. P. 96. ***Choeradoplana langi* Von Graff, 1894.** Add the following item.  
*Choeradoplana langi*: Negrete & Brusa, 2012: 227, 236.
- BFC28. P. 96. ***Choeradoplana marthae* Froehlich, 1955.** Add the following item.  
*Choeradoplana marthae*: Negrete & Brusa, 2012: 227, 236.
- BFC28. P. 119. Under *Geoplana* (*Geoplana*) *crioula* E. M. Froehlich, 1955. KWLP2014 (Addendum). P. 5. ***Cratera crioula* (E. M. Froehlich, 1955b).** Add the following item.  
*Cratera crioula*: Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 10, 21 (fig. 12), 22 (fig. 14). Brazil.
- BFC28. P. 123. Under *Geoplana* (*Geoplana*) *joia* Froehlich, 1955b. KWLP2014 (Addendum). P. 5. ***Cratera joia* (Froehlich, 1955b).** Add the following item.  
*Cratera joia*: Kossi, Fontoura, Amaral & Leal-Zanchet, 2014: 523.
- BFC28. P. 130. Under *Geoplana* (*Geoplana*) *pseudovaginuloides* Riester, 1938. KWLP2014 (Addendum). P. 5. ***Cratera pseudovaginuloides* (Riester, 1938).** Add the following item.  
*Cratera pseudovaginuloides*: Rossi, Fontoura, Amaral & Leal-Zanchet, 2014: 523.

- KWLP2013 (ADD). P. 5. Insert a new species and list after *Cratera tamoia* (E. M. Froehlich, 1955). ***Cratera steffeni* Rossi, Fontoura, Amaral & Leal-Zanchet, 2014.**  
*Cratera steffeni* n. sp. Rossi, Fontoura, Amaral & Leal-Zanchet, 2014: 515-523  
 ( figs 1-23, DVB, VB in color, AE, CP, HI, FGA, FGO, FP, PCA). RS / Brazil.
- Note.** This new species was recorded in the previous papers as *Geoplana* sp. 3, *Geoplana* sp. 7 and *Geoplana* sp. 9. Cf. Rossi, Fontoura, Amaral & Leal-Zanchet (2014, p. 515).
- BFG28. P. 133. Under *Geoplana (Geoplana) tamoia* E. M. Froehlich, 1955. KWLP2014 (Addendum). P. 5. ***Cratera tamoia* (E. M. Froehlich, 1955).** Add the following items.  
*Cratera tamoia*: Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 10, 21 (fig. 12), 22 (fig. 14).  
*Cratera tamoia*: Rossi, Fontoura, Amaral & Leal-Zanchet, 2014: 523.
- BFC28. P. 135. Under *Geoplana (Geoplana) yara* E. M. Froehlich, 1955. KWLP2014 (Addendum). P. 5. ***Cratera yara* (E. M. Froehlich, 1955).** Add the following item.  
*Cratera yara*: Rossi, Fontour, Amaral & Leal-Zanchet, 2014: 523.
- BFG28. P. 97. ***Enterosyringa pseudorhynchodemus* (Riester, 1938).** Add the following item.  
*Enterosyringa pseudorhynchodemus*: Justine, Winsor, Gey, Gros & Thévenot, 2014: 14.
- BFC39. P. 116. Under *Notogynaphallia guaiana* Leal-Zanchet & Carbayo, 2001. KWLP 2014 (Addendum). P. 14. ***Imbira guaiana* (Leal-Zanchet & Carbayo, 2001).** Add the following item.  
*Imbira guaiana*: Amaral, Hack, Iturralde & Leal-Zanchet, 2014: 1, 3-4 (fig. 3: DB in color).
- BFC28. P. 142. Under *Notogynaphallia goetschi* (Riester, 1938). *Geoplana goetschi* Marcus, 1951. KWLP2014 (Addendum), p. 14. ***Imbirs marcusii* Carbayo, Álvarez-Presas, Olivarez, Marques, Froehlich & Riutort, 2013.** Add the following item.  
*Imbira marcusii*: Barbieri Jr., Oliveira & Carbayo, 2013: 7-8 (fig. 1: DB in color).  
 Brazil.
- BFC28. Pp. 139-140. Under *Notogynaphallia abundans* (Von Graff, 1899). KWLP2011. P. 36. ***Luteostriata abundans* (Von Graff, 1899).** Add the following items.  
*Luteostriata abundans*: McDonald & Jones, 2013: 24.  
*Luteostriata abundans*: Amaral, Hack, Iturralde & Leal-Zanchet, 2014: 1, 3, 4 (fig. 3: DB in color). Brazil.
- KWLP2009. P. 22. *Notogynaphallia arturi* Lemos & Leal-Zanchet, 2008. KWLP2014 (Appendix), p. 14. ***Luteostriata arturi* (Lemos & Leal-Zanchet, 2008).** Add the following item.  
*Luteostriata arturi*: Oliveira, Boll, Baptista & Leas-Zanchet, 2014: 2 (Table 1), 5.  
 Araucaria moist forest, RS / Brazil.

- KWLP2007. P. 20. Under *Notogynaphallia ernesti* Leal-Zanchet & Froehlich, 2006.  
KWLP2011. Pp. 36-37. ***Luteostriata ernesti* (Leal-Zanchet & Froehlich, 2006)**.  
Add the following item.  
*Luteostriata ernesti*: Oliveira, Boll, Baptista & Leal-Zanchet, 2014: 2 (table 1), 406.  
RS / Brazil.
- KWLP2007. P. 20. Under *Notogynaphallia graffi* Leal-Zanchet & Froehlich, 2006.  
KWLP2011. P. 37. ***Luteostriata graffi* (Leal-Zanchet & Froehlich, 2006)**. Add the  
following item.  
*Luteostriata graffi*: Oliveira, Boll, Baptista & Leal-Zanchet, 2014: 2 (table 1), 5.  
RS / Brazil.
- BFC28. P. 142. Under *Notogynaphallia matuta* (E. M. Froehlich, 1955). KWLP2004  
(Addendum). Pp. 15-16. ***Matuta matuta* (E. M. Froehlich, 1955)**. Add the  
following item.  
*Matuxia* cf. *matuta*: Negrete, Colpo & Brusa, 2014: 2.
- BFC28. P. 116. Under *Geoplana (Geoplana) burmeisteri* Schultze & Müller, 1857.  
KWLP2014 (Addendum). P. 18. ***Obama burmeisteri* (Schultze & Müller, 1857)**.  
Add the following items.  
*Obama burmeisteri*: Barbieri Jr., Oliveira & Carbayo, 2013: 7 (fig. 2: DB in color).  
Brazil.  
*Obama burmeisteri*: Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 11, 21  
(fig. 12), 22 (fig. 14). Brazil.
- BFC28. P. 117. Under *Geoplana (Geoplana) carrierei* Von Graff, 1897. ***Obama  
carrierei* (Von Graff, 1897)**. KWLP2014 (Addendum). P. 19. Add the following  
item.  
*Obama carrierei*: Amaral, Hack, Iturralde & Leal-Zanchet, 2014: 3, 4 (fig. 3: DB in  
color).
- Note.** KWLP2014 (Addendum), p. 19. Citation of the specific name of “*O.  
carrier*” is spelling error. *Obama carrierei* is correct.
- KWLP2013. P. 21. Under *Geoplana ficki* Amaral & Leal-Zanchet, 2012. KWLP2014  
Addendum). P. 20. ***Obama ficki* (Amaral & Leal-Zanchet, 2012)**. Add the fol-  
lowing item.  
*Obama ficki*: Amaral, Hack, Iturralde & Leal-Zanchet, 2014: 3, 4 (fig. 7: TB in  
color), 5.
- BFWU40. P. 173. Under *Geoplana (Geoplana) josefi* Carbayo & Leal-Zanchet, 2001.  
KWLP2014 (Addendum). P. 20. ***Obama josefi* (Carbayo & Leal-Zanchet, 2001)**.  
Add the following items.  
*Obama josefi*: Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 11, 21 (fig. 12).  
Brazil.  
*Obama josefi*: Oliveira, Boll, Baptista & Leal-Zanchet, 2014: 2 (table 1), 5-6.

- BFC28. P. 123. Under *Geoplana (Geoplana) ladislavii* Von Graff, 1899. KWLP2014 (Addendum). P. 20. ***Obama ladislavii* (Von Graff, 1899)**. Add the following items.  
*Obama ladislavii*: Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 11, 22 (fig. 14). Brazil.  
*Obama ladislavii*: Amaral, Hack, Iturralde & Leal-Zanchet, 2014: 3, 4 (fig. 7: DB in color), 5.  
*Obama ladislavii*: Negrete, Colpo & Brusa, 2014: 2.  
*Obama ladislavii*: Oliveira, Boll, Baptista & Leal-Zanchet, 2014: 2, 4-6.  
*Obama ladislavii* sensu Froehlich, 1959. Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 11, 21 (fig. 12).
- BFC28. P. 125. Under *Geoplana (Geoplana) marmorata* Schultze & Müller, 1857. KWLP2014 (Addendum), p. 20. ***Obama marmorata* (Schultze & Müller, 1857)**. Add the following item.  
*Obama marmorata*; Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 25.
- BFC28. Pp. 133-134. Under *Geoplana (Geoplana) trigueira* E. M. Froehlich, 1955. KWLP2014 (Addendum), p. 21. ***Obama trigueira* (E. M. Froehlich, 1955)**. Add the following item.  
*Obama trigueira*; Justine, Winsor, Gey, Gros & Thévenot, 2014: 14.
- BFC39. P. 115. Under *Geoplana (Geoplana) franciscana* Leal-Zanchet & Carbayo, 2001. KWLP2014 (Addendum). P. 22. ***Paraba franciscana* (Leal-Zanchet & Carbayo, 2001)**. Add the following item.  
*Paraba franciscana*; Oliveira, Boll, Baptista & Leal-Zanchet, 2014: 2 (table 1).
- BFC28. P. 121. Under ***Geoplana (Geoplana) guacha* Froehlich, 1959**. Add the following item.  
*Paraba guacha*: Amaral, Hack, Iturralde & Leal-Zanchet, 2014: 3, 4 (fig. 6: DB in color), 5.
- KWLP2013. P. 26. ***Pasipha backesi* Leal-Zanchet, Rossi & Seitenfus, 2012**. Add the following item.  
*Pasipha backesi*: Oliveira, Boll, Baptista & Leal-Zanchet, 2014: 2 (table 1), 5.
- KWLP2013. P. 26. ***Pasipha brevilineata* Leal-Zanchet, Rossi & Alva-renga, 2012**. Add the following item.  
*Pasipha brevilineata*: Oliveira, Boll, Baptista & Leal-Zanchet, 2014: 2 (table 1), 5.
- BFC28. Pp. 146-147. ***Pasipha hauseri* (Froehlich, 1959)**. Add the following item.  
*Pasipha hauseri*: Amaral, Hack, Iturralde & Leal-Zanchet, 2014: 1, 3, 5.
- BFU2004. P. 93. Insert a new species and list before *Supramontana irritata* Carbayo & Leal-Zanchet, 2003. ***Supramontana argentina* Negrete, Leal-Zanchet & Brusa, 2014**.  
*Supramontana argentina* n. sp. Negrete, Leal-Zanchet & Brusa, 2014: 178-186 (figs 1-13, DVB in color, DH, AE, HI, FP, FGA, FGO, PCA). Iguazú National Park / Argentina.

BFU2004. P. 93. *Supramontana irritata* Carbayo & Leal-Zanchet, 2003. Add the following item.

*Supramontana irritata*: Oliveira, Boll. Baptista & Leal-Zanchet, 2014: 2 (table 1), 5. RS / Brazil.

BFC28. P. 97. Under *Enterosyringa pseudorhynchodemus* (Riester, 1938). KWLP2014 (Addendum). P. 27. *Xerapoa pseudorhynchodemus* (Riester, 1938). Add the following item.

*Xerapoa pseudorhynchodemus*: Negrete, Golpo & Brusa, 2014: 2, 5.

### UNDESCRIBED GEOPLANINAE SPECIES

KWLP2013. Pp. 29-30. KWLP2014 (Addendum). Pp. 27-28. KWLP2014 (Addendum). P. 27. UNDESCRIBED GEOPLANINAE SPECIES. *Cephaloflexa* Carbayo & Leal-Zanchet, 2003. Add the following item.

*Cephaloflexa* sp. Amaral, Hack, Iturralde & Leal-Zanchet, 2014: 3 (table 1).

KWLP2013. P. 29. UNDESCRIBED GEOPLANINAE SPECIES. *Choeradoplana* sp. Add the following item.

*Choeradoplana* sp. Oliveira, Boll, Baptista & Leal-Zanchet, 2014: 2, 5.

KWLP2014 (Addendum). P. 5. Cf. Genus *Cratera* Carbayo, Álvarez-Presas, Olivarez, Marques, Froehlich & Riutort, 2013. Two undescribed species.

*Cratera* sp. Amaral, Hack, Iturralde & Leal-Zanchet, 2014: 3 (table 1).

*Cratera* sp. Oliveira, Boll, Baptista & Leal-Zanchet, 2014: 2, 5.

KWLP2013. Pp. 29-30. UNDESCRIBED GEOPLANINAE SPECIES. *Geoplana* spp. KWLP2014 (Addendum). P. 27. UNDESCRIBED GEOPLANINAE SPECIES.

*Geoplana* spp. Add the following items.

*Geoplana* sp. 1. Negrete, Colpo & Brusa, 2014: 1, 4-5, 7.

*Geoplana* sp. 2. Negrete, Colpo & Brusa, 2014: 4-5.

*Geoplana* sp. 3. Negrete, Colpo & Brusa, 2014: 4.

*Geoplana* sp. 4. Negrete, Colpo & Brusa, 2014: 4.

*Geoplana* sp. 5. Negrete, Colpo & Brusa, 2014: 4.

*Geoplana* sp. 6. Negrete, Colpo & Brusa, 2014: 4.

*Geoplana* sp. 7. Negrete, Colpo & Brusa, 2014: 4.

KWLP2014 (Addendum). P. 13. Cf. Genus *Gigantea* Ogren & Kawakatsu, 1990.

A single undescribed species. Add the following item.

*Gigantea* sp. 1. Negrete, Golpo & Brusa, 2014: 4.

KWLP2014 (Addendum). Pp. 27-28. UNDESCRIBED GEOPLANINAE SPECIES. *Issoca* Froehlich, 1955. Add the following item.

*Issoca* sp. Amaral, Hack, Iturralde & Leal-Zanchet, 2014: 3 (table 1).

KWLP2014 (Addendum). P. 15. Cf. Genus *Matuxia* Carbayo, Álvarez-Presas, Olivarez, Marques, Froehlich & Riutort, 2013. A single undescribed species. Add the following item.

*Matuxia* sp.: Oliveira, Boll, Baptista & Leal-Zanchet, 201a: 2, 5.

KWLP2014 (Addendum). Pp. 17-18. Cf. Genus *Obama* Carbayo, Álvarez-Presas, Olivarez, Marques, Froehlich & Riutort, 2013. Eleven undescribed species. Add the following items.

*Obama* (Brazil). Álvarez-Presas, Mateos, Tudó, Jonea & Riutort, 2014: 27.

*Obama* sp. Iberian Peninsula. Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 6, 10, 21 (fig. 12), 22 (fig. 14), 25. Spain.

*Obama* sp in Asturias. Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 3, 5, 15, 20 (fig. 11 DVB in color), 23-24.

*Obama* sp. A. Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 18. Brazil.

*Obama* sp. B. Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 18. Brazil.

*Obama* sp. 1. Amaral, Hack, Iturralde & Leal-Zanchet, 2014: 3 (table 1).

*Obama* sp. 1. Oliveira, Boll, Baptista & Leal-Zanchet, 2014: 2.

*Obama* sp. 2. Amaral, Hack, Iturralde & Leal-Zanchet, 2014: 3 (table 1).

*Obama* sp. 2. Oliveira, Boll, Baptista & Leal-Zanchet, 2014: 3, 5.

*Obama* sp. 3. Oliveira, Boll, Baptista & Leal-Zanchet, 2014: 2, 5.

*Obama* sp. 3. Amaral, Hack, Iturralde & Leal-Zanchet, 2014: 3 (table 1).

*Obama* sp. 6. Iberian Peninsula, Álvarez-Presas, Mateos, Tudó, Jones & Riutort, 2014: 5, 10, 15, 17, 21 (fig. 12), 22 (fig. 14), 25.

KWLP201A (Addendum). P. 22. Cf. Genus *Paraba* Carbayo, Álvarez-Presas, Olivarez, Marques, Froehlich & Riutort, 2013. Three undescribed species. Add the following items.

*Paraba* sp. 1. Amaral, Hack, Iturralde & Leal-Zanchet, 2014: 3 (table 1), 4 (fig. 2: DB in color).

*Paraba* sp. 2. Amaral, Back, Iturralde & Leal-Zanchet, 2014: 3 (table 1).

*Paraba* sp. 3. Amaral, Hack, Iturralde & Leal-Zanchet, 2014: 3 (table 1).

KWLP2014 (Addendum). P. 28. UNDESCRIBED GEOPLANIDAE SPECIES.

*Pasipha* spp. Add the following items.

*Pasipha* sp.: Oliveira, Boll, Baptista & Leal-Zanchet, 2014: 2, 5.

*Pasipha* sp. 1. Amaral, Hack, Iturralde & Leal-Zanchet, 2014: 3 (table 1).

*Pasipha* sp. 1. Negrete, Golpo & Brusa, 2014: 4.

*Pasipha* sp. 2. Amaral, Hack, Iturralde & Leal-Zanchet, 2014: 3 (table 1).

*Pasipha* sp. 2. Negrete, Colpo & Brusa, 2014: 4.

*Pasipha* sp. 3. Negrete, Colpo & Brusa, 2014: 4.

*Pasipha* sp. 4. Negrete, Colpo & Brusa, 2014: 4.

*Pasipha* sp. 5. Negrete, Colpo & Brusa, 2014: 4.

KWLP2013. P. 30. UNDESCRIBED GEOPLANINAE SPECIES. *Pseudogeoplana* sp. Add the following items.

*Pseudogeoplana* sp. 1: Oliveira, Boll, Paptista & Leal-Zanchet, 2014: 2, 5.

*Pseudogeoplana* sp. 2: Oliveirs, Boll, Baptista & Leal-Zanchet, 2014: 2.

*Pseudogeoplana* sp. 3: Oliveira, Boll, Baptista & Leal-Zanchet, 2014: 2, 5.

*Pseudogeoplana* sp. 4: Oliveira, Boll, Baptista & Leal-Zanchet, 2014: 2, 5.  
*Pseudogeoplana* sp. 35. Amaral, Hack, Iturralde & Leal-Zanchet, 2014: 3 (table 1).  
*Pseudogeoplana* sp. 36. Amaral, Hack, Iturralde & Leal-Zanchet, 2014: 3 (table 1).  
*Pseudogeoplana* sp. 37. Amaral, Hack, Iturralde & Leal-Zanchet, 2014: 3 (table 1).  
*Pseudogeoplana* sp. 38. Amaral, Hack, Iturralde & Leal-Zanchet, 2014: 3 (table 1).  
*Pseudogeoplana* sp. 39. Amaral, Hack, Iturralde & Leal-Zanchet, 2014: (table 1).

KWLP2014 (Addendum). Pp. 26-27. UNDESCRIBED GEOPLANINAE SPECIES.

*Xerapoa* sp. Add the following item.

*Xerapoa* sp.: Oliveira, Boll, Baptista & Leal-Zanchet, 2014: 2, 5.

## REFERENCES

For previous publication of “Land Planarian Indices Series” cited in the present ARTICLE II, see abbreviations (BFC, BFU, KWLP) those placed next to the publication year of each article listed in the REFERENCES.

ÁLVAREZ-PRESAS, M., MATEOS, E., TUDÓ, À., JONES, H. D. & RIUTORT, M., 2014. Diversity of introduced terrestrial flatworms in the Iberian Peninsula: A cautionary tale. *PeerJ*, 2: e 430: 1-35. Doi 10.7717/peerj.430 .

ÁLVAREZ-PRESAS, M., SÁNCHEZ-GRACIA, A., CARBAYO, F., ROZAS, J. & RIUTORT, M., 2014. Insights into the origin and distribution of biodiversity in the Brazilian Atlantic forest hot spot: a statistical phylogeographic study using a low-dispersal organism. *Heredity*, 112: 656-665. MacMillan Publ Lim. Doi 10.1038/hdy.2014.3 .

AMARAL, S. V. do, HACK, I. R., ITURRALDE, G. B. & LEAL-ZANCHET, A. M., 2014. Land flatworms (Platyhelminthes: Tricladida) in remnants of deciduous forest in the northeast region of Southern Brazil. *Biota Neotropica*, 14 (1): 1-6.

AMARAL, S. V. do, OLIVEIRA, S. M. de & LEAL-ZANCHET, A. M., 2012. Three new species of land flatworms and comments on a complex of species in the genus *Geoplana* Stimpson (Platyhelminthes: Continenticola). *Zootaxa*, (3338): 1-32.

BARBIERI, Jr., C., OLIVEIRA, P. de & CARBAYO, F., 2013. Estudos tradicionais e modernos de planárias terrestres. *Soc. Brasil. Zoologia*, 35 (105): 7-8.

CARBAYO, F., ÁLVAREZ-PRESAS, M., OLIVAREZ, G. T., MARQUES, F. P. L., FROELICH, E. M. & RIUTORT, M. 2013. Molecular phylogeny of Geoplaninae (Platyhelminthes) challenges current classification: Proposal of taxonomic actions. *Zool. Scripta*, 42 (5): 508-528 (+ 3 graphic figures: Figs SI and S2; Tables S1-S5). See Introduction of the present web article.

CARBAYO, F. & FROELICH, E. M., 2012. Three new Brazilian species of the land planarian *Choeradoplana* (Platyhelminthes; Tricladida: Geoplaninae), and an emendation of the genus. *Jour. Nat. Hist.*, 46 (19-20): 1153-1177.

CARBAYO, F. & LEAL-ZANCHET, A. M., 2001. A new species of terrestrial planarian (Platyhelminthes: Tricladida: Terricola) from South Brazil. *Brazil. Jour. Biol.*, 61 (3): 437-447.

CARBAYO, F. & LEAL-ZANCHET, A. M., 2003. Two new genera of geoplanid land planarians (Platyhelminthes: Tricladida: Terricola) of Brazil in the light of cephalic specialization. *Invertebr. Syst*, 17: 449-468.

DE BEAUCHAMP, P., 1962. *Platydemus manokwari* n. sp., planaire terrestre de la Nouvelle-Guinée Hollandaise. *Bull. Soc. Zool. France*, 87 (5-6): 609-615.

DE BEAUCHAMP, P., 1972. Planaires terrestres de Nouvelle-Guinée (récollections du Dr. Jolivet). *Cahiers du Pacifique*, (16): 181-192.

DENDY, A., 1890. The anatomy of an Australian land planarian. *Trans. Roy. Soc. Victoria*, 1 (for 1889): 50-95 + pls. VII-X.

DENDY, A., 1891. On the Victorian land planarians. *Trans. Roy. Soc. Victoria*, 2 (for 1890): 65-80 + pl. 7.

DENDY, A., 1892. Short description of several new land-planarians. *Proc. Roy. Soc. Victoria*, 4 (for 1891): 35-38.

DENDY, A., 1895. Additions to the Cryptozoic fauna of New Zealand. *Ann. Mag. Nat. Hist.*, Ser. 6, Vol. XIV: 393-401.

ENVIS CENTER, MINISTRY OF ENVIRONMENT & FOREST, GOVT. OF INDIA. Major Activity. Earth science issues - Soil planarians. Soil planarians that the world forgot about. *Deccan Herald*, M. Jayashankar, DHNS, 27th May 2014. 2 pages.

**Note.** Specific names were not given. Cf. Jayashankar (2014) and Kawakatsu & Jayashankar (2013) listed in the present References.

FROEHLICH, C. G., 1955a. Sobre morfologia e taxonomia das Geoplanidae. *Bol. Fac. Filos. Ciênc. Univ. São Paulo, Zoologia*, (19): 195-251 (+ pls I-XIV).

FROEHLICH, C. G., 1955b. Notas Sobre Geoplanas Brasileiras (Turbellaria Tricladida). *Papeis Avulsos do Depart. Zool., Secret. Agricult.*, São Paulo, 12 (7): 189-198.

FROEHLICH, C. G., 1959. On Geoplanids from Brazil. *Bol. Fac. Filos. Ciênc. Letras Univ. São Paulo, Zoologia*, (22): 201-242 (+ pl. 11).

GLASGOW, B. & PIERCE, P., 2014. Occurrences of the land planarian *Rhynchodemus sylvaticus* in Great Smoky Mountains National Park. *Jour. North Carolina Acad. Sci.*, 130 (1): 11-15.

HYMAN, L. H., 1943. Endemic and exotic land planarians in the United States. *Proc. U. S. Nat. Mus.*, 86 (3055): 419-439.



HYMAN, L. H., 1954. Some land planarians of the United States and Europe, with remarks on nomenclature. Amer. Mus. Novitat., (1667): 1-21.

JAYASHANKAR, M., 2014. Soil planarians that the world forgot about. Deccan Herald, August 5, 2014.

JONES, H. D., JOHNS, P. M. & WINSOR, L., 1998. The proposed synonymy of *Parakontikia ventrolineata* (Dendy, 1892) and *Kontikia mexicana* (Hyman, 1939): what is a penis papilla? Hydrobiologia, 383: 91-96.

JONES, H. D., WEBSTER, B. L., LITTLEWOOD, D. T. J. & McDONALD, J. C., 2008. Molecular and morphological evidence for two new species of terrestrial planarians of the genus *Microplana* (Platyhelminthes; Turbellaria; Tricladida; Terricola) from Europe. Zootaxa, 1945: 1-38. <http://www.mapress.com/zootaxa/>.

JUSTINE, J.-L., THÉVENOT, J. & WINSOR, L., 2014. Les sept plathelminthes invasifs introduits en France. Sept espèces de plathelminthes terrestres invasifs ont récemment été introduites en France: comment les reconnaître, quels risques font-elles les reconnaître, quels risques font-elles courir, et que faire? Dossier (Phytoma), (674): 28-32.

JUSTINE, J.-L., WINSOR, L., GEY, D., GROS, P. & THÉVENOT, J., 2014. The invasive New Guinea flatworm *Platydemus manokwari* in France, the first record for Europe: time for action is now. PeerJ, 2: e 297: 1-22. Doi 10.7717/peerJ.297.

KABURAKI, T., 1922. On the terrestrial planarians from Japanese territories. Jour. Coll. Sci. Imp. Univ. Tokyo, 44 (Art. 4): 1-54 + pl. 1.

**Note.** Digital reproduction of 'Plate I in color with its explanations' can be found in a web article by Kawakatsu & Sasaki (2002). It is listed in the present References.

KAWAKATSU, M., FROEHLICH, E. M. & JONES, H. D., 2007. **(KWLP 2007.)** 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-15. Kawakatsu's Web Library on Planarians (Sept. 15, 2007): 12-33. <http://www.riverwin.jp/pl>. Left Button: Miscellaneous 07.

KAWAKATSU, M., FROEHLICH, E. M. & JONES, H. D., 2008. **(KWLP 2008.)** Miscellaneous papers on "Turbellarians", ARTICLE II. Additions and corrections of the previous land planarian indices of the world (Platyhelminthes, Seriata, Tricladida, Terricola). Additions and corrections of the previous land planarian indices of the world-16. Kawakatsu's Web Library on Planarians (Sept. 15, 2008): 10-21. <http://www.riverwin.jp/pl>. Left Button: Miscellaneous 08.

KAWAKATSU, M., FROEHLICH, E. M. & JONES, H. D., 2009. **(KWLP 2009.)** 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-17. Kawakatsu's Web Library on Planarians (Sept. 15, 2009): 9-32.  
<http://riverwin.jp/pl/> . Left Button: Miscellaneous 09.

KAWAKATSU, M, FROEHLICH, E. M. & JONES, H. D., 2010. (**KWLP 2010.**) Miscellaneous papers on "Turbellarians", ARTICLE II. Additions and corrections of the previous land planarian indices of the world (Platyhelminthes, Seriata, Tricladida, Continenticola, Geoplanoidea). Kawakatsu's Web Library on Planarians (Sept. 15, 2010): 11-29.  
<http://www.riverwin.jp/pl> . Left Button: Miscellaneous 10.

KAWAKATSU, M, FROEHLICH, E. M. & JONES, H. D., 2011. (**KWLP 2011.**) Miscellaneous papers on "Turbellarians", ARTICLE II. Additions and corrections of the previous land planarian indices of the world (Platyhelminthes, Seriata, Tricladida, Continenticola, Geoplanoidea). Additions and corrections of the previous land planarian indices of the world-19. Kawakatsu's Web Library on Planarians (Nov. 15, 2011): 21-46.  
<http://www.riverwin.jp/pl> . Left Button: Miscellaneous 11.

KAWAKATSU, M., FROEHLICH, E. M. & JONES, H. D., 2012. (**KWLP 2012.**) Miscellaneous papers on "Turbellarians". ARTICLE II. Additions and corrections of the previous land planarian indices of the world (Platyhelminthes, Seriata, Tricladida, Continenticola, Geoplanoidea). Additions and corrections of the previous land planarian indices of the world-20. Kawakatsu's Web Library on Planarians (Nov. 15, 2012): 11-22.  
<http://www.riverwin.jp/pl/> . Left Button: Miscellaneous 12.

KAWAKATSU, M., FROEHLICH, E. M. & JONES, H. D., 2013. (**KWLP 2013.**) Miscellaneous papers on "Turbellarians", ARTICLE II. Additions and corrections of the previous land planarian indices of the world (Platyhelminthes, Seriata, Tricladida, Continenticola, Geoplanoidea). Additions and corrections of the previous land planarian indices of the world-21. Kawakatsu's Web Library on Planarians (Dec. 25, 2013): 14-34.  
<http://www.riverwin.jp/pl> . Left Button: Miscellaneous 13.

KAWAKATSU, M. , FROEHLICH, E. M. & JONES, H. D. , 2014. (**KWLP 2014 ADDENDUM (2013)**). Miscellaneous papers on "Turbellarians", ARTICLE II: ADDENDUM (2013). Additions and corrections of the previous land planarian indices of the world (Platyhelminthes, Seriata, Tricladida, Continenticola, Geoplanidae). Additions and corrections of the previous land planarian indices of the world-22 (Addendum for 2013). Kawakatsu's Web Library on Planarians (June 30, 2014): 1-36.  
<http://www.riverwin.jp/pl/> . Left Button: MiscelAdd 13.

KAWAKATSU, M., FROEHLICH, E. M., JONES, H. D., OGREN, R. E. & SASAKI, G.-Yu, 2003. (**BFU41.**) Miscellaneous papers on Turbellarians, 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-11. Bull. Fuji Women's Univ. (41), II: 96-114.  
<http://www.riverwin.jp/pl/> . Left Button: Planarian net mirror. Land planarian indices series 2003.

KAWAKATSU, M., FROEHLICH, E. M., JONES, H. D., OGREN, R. E. & SASAKI, G.-Yu, 2004. (**BFU42.**) 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-12. Bull. Fuji Women's Univ., (42): 88-96. <http://www.riverwin.jp.pl> . Left Button: planarian net mirror. Land planarian indices series 2004.

KAWAKATSU, M., FROEHLICH, E. M., JONES, H. D., OGREN, R. E. & SASAKI, G.-Yu, 2005. (**BFU43.**) 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-13. Bull. Fuji Women's Univ., (43), II: 85-98. <http://www.riverwin.jp/pl> . Left Button: Miscellaneous 05.

KAWAKATSU, M., FROEHLICH, E. M., JONES, H. D. & SASAKI, G.-Yu, 2006. (**KWLP 2006.**) 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): 9-28. <http://www.riverwin.jp.pl> . Left Button: Miscellaneous 06.

**Note.** Explanatory Comments: The Fate of Living Specimens of *Platydemus manokwari* Sent to Yokohama, Japan, in 1985. See pp. 27-28.

KAWAKATSU, M. & JAYASHANKAR, M., 2013. A list of known bipaliid land planarian species from India, with a record of three *Diversibipalium* spp. Kawakatsu's Web Library on Planarians: Dec. 30, 2013. <http://www.riverwin.jp/pl/> . Left button: India LPs.

KAWAKATSU, M., MAKINO, N. & SHIRASAWA, I., 1982. *Bipalium nobile* sp. nov. (Turbellaria, Tricladida, Terricola), a new land planarian from Tokyo. Annot. Zool. Japon., 55: 236-262.

KAWAKATSU, M., OGREN, R. E., FROEHLICH, E. M. & MURAYAMA, H., 2001. On the places of origin of three, very large bipaliid land planarians from Japan (Turbellaria, Seriata, Tricladida, Terricola). Shibukitsubo (Niigata Shell Club), (20): 39-52. (In English, with a Japanese abstract.)

KAWAKATSU, M., OGREN, R. E. & FROEHLICH, E. M., 2000. (**BFC 38.**) 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-8 (2). Bull. Fuji Women's College, (38), II: 83-103.

KAWAKATSU, M., OGREN, R. E., FROEHLICH, E. M. & SASAKI, G.-Yu, 2001. (**BFC39.**) 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.

<http://www.riverwin.jp/pl/> . Left Button: Planarian net mirror. Land planarian indices series 2001.

KAWAKATSU, M., OGREN, R. E., FROEHLICH, E. M. & SASAKI, G.-Yu, 2002. (BFU40.) 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. Bull. Fuji Wome's Univ., (40), II: 162-177. <http://www.riverwin.jp/pl/> . Left Button: Planarian net mirror. Land planarian indices series 2002.

KAWAKATSU, M., OGREN, R. E. & MUNIAPPAN, R., 1992. Redescription of *Platydemus manokwari* De Beauchamp, 1962 (Turbellaria; Tricladida: Terricola), from Guam and the Philippines. Proc. Jap. Soc. Syst. Zool., (47): 11-25.

KAWAKATSU, M. & SASAKI, G.-yu, 2002. An electron reproduction of the late Dr. Kaburaki's three color plates attached to his 1920 papers on Japanese marine, freshwater and land planarians (Platyhelminthes, "Turbellaria", Tricladida), with a taxonomic commentary. Kawakatsu-&-Sasaki's Webpages on Planarians, Sapporo and Tôkyô, (36). <http://www.riverwin.jp/pl/> . Left button: planarian.net mirror. No. 36.

KAWAKATSU, M. & SASAKI, G.-yu, 2004. A blank topographical map of Japan, with explanatory maps of the Izu-Ogasawara Islands and the Southwest Islands for the chorological study of planarians. Kawakatsu-&-Sasaki's Webpages on Planarians, Sapporo and Tôkyô (43) . <http://www.riverwin.jp/pl/> . Left button: planarian.net mirror. No. 43.

LEAL-ZANCHET, A. M. & CARBAYO, F., 2001. Two new species of Geoplanidae (Platyhelminthes, Tricladida, Terricola) from Brazil. Jour. Zool., London, 253: 433-446.

LEAL-ZANCHET, A. M. & FROEHLICH, E. M., 2006. A species complex in the genus *Notogynaphallia* Ogren & Kawakatsu (Platyhelminthes: Tricladida: Terricola) with a taxonomic revision of homonyms of *Geoplana marginata* Schultze & Müller and a re-interpretation of *Notogynaphallia caissara* (Froehlich) anatomy. Belg. Jour. Zool., 136 (1): 81-100.

LEAL-ZANCHET, A. M, ROSSI, I., SEITENFUS, A. L. R. & ALVARENGA, J., 2012. Two new species of land flatworms and comments on the genus *Pasipha* Ogren & Kawakatsu, 1990 (Platyhelminthes: Continenticola). Zootaxa, (3583): 1-21.

LEIDY, J., 1851. Helminthological Contribution. - No. 3. Proc Acad. Nat. Sci., Philad., 5: 239-244.

LEMOS, V. S. & LEAL-ZANGHET, A. M., 2008. Two new species of *Notogynaphallia* Ogren & Kawakatsu (Platyhelminthes: Tricladida; Terricola) from Southern Brazil. Zootaxa, (1907): 28-46.

MAKINO, N. & SHIRASAWA, Y., 1983. Morphological and ecological comparison with two new species of elongated-slender land planarians have several stripes and their new scientific names. [A comparative study on the morphology and ecology of *Bipalium nobile* and another land planarian species with several stripes, with reference to a new scientific name of the latter]. Bull. Tokyo Med. College, (9): 69 - 83. (In Japanese, with English summary.)

MARCUS, E., 1951. Turbellaria Brasileiros (9). Bol. Fac. Filos., Ciênc. Letras Univ. São Paulo, Zoologia, (16): 5-215 (+ pls I-XL).

MATEOS, F. GIRIBET, G., & CARRANZA, S., 1998. Terrestrial planarians (Platyhelminthes, Tricladida, Terricola) from the Iberian Peninsula: First records of the family Rhynchodemidae, with the description of a new *Microplana* species. Contrib. Zool., 67 (4): 267-276. <http://www.uba.uva.nl/ctg/vol67/nr4/art04/6704a04.html> .

McDONALD, J. C. & JONES, H. D., 2013. Feeding, maintenance and reproduction of *Microplana terrestris* (Platyhelminthes: Tricladida: Continenticola: Geoplaninae: Microplaninae) under laboratory conditions. Jour. Nat. Hist., 48 (1-2): 1-34. <http://www.tandfonline.com/loi/tnah20> . Doi: 10.1080/00222933.2013.809169 .

MECZNIKOW, E. (= METSCHNIKOFF, E.), 1866. Über *Geodesmus bilineatus* Nob. (*Fasciola terrestris* O.F.Müller?), eine europäische Land-planarie. Bull. Acad. Imp. Soc. de St.-Petersbourg, 9: 433-447 + 1 pl.

MIENIS, H. K. , 2014. Vondsten van landplatwormen in Vondsten van landplatwormen in de vrije natuur in Noord-Holland, Nederland. Naturhist. Notities (Nat. Hist. Other Notes), (2): 11-14.

MOSELEY, H. N., 1877. Notes on the structure of several forms of land planarians, with a description of two new genera and several new species, and a list of all species at present known. Quart. Jour. Micros. Sci., 17, N. S.: 273-292 + 2 pages (Description of Plate XX) + pl. XX.

MOSELEY, H. N., 1878. Description of a new species of land-planarian from the hothouses at Kew Gardens. Ann. Mag. Nat. Hist., Ser. 5, 1: 237-239.

MÜLLER, O.F., 1774. Vermium terrestrius et fluviatilius, seu Animalium infusoriorum, helminthicorum, et testaceorum, non marinorum, succincta historia, I. Pars altera, Helminthica. Pp. 1-72 and Index. Havniae et Lipsiae.

NEGRETE, L. & BRUSA, P., 2012. *Choeradoplana crassiphalla* sp. nov. (Platyhelminthes: Tricladida: Geoplanidae): a new species of land planarian from the Atlantic Forest of Argentina. Stud. Neotrop. Fauna Environ., 4-7: 227-237. <http://dx.doi.org/10.1080/01650521.2012.735071> .

NEGRETE, L., BRUSA, F. & DAMBORENEA, C., 2012. A new species of *Geoplana* (Platyhelminthes: Tricladida: Geoplanidae) from the Western Amazon Basin with comments on the land planarian fauna from Peru. Zootaxa, (3358): 55-67.

NEGRETE, L., COLPO, K. D. & BRUSA, F., 2014. Land planarian assemblages in protected areas of the Interior Atlantic Forest: Implications for conservation. PLOS ONE, 9 (3): 1-9. Doi:10.1371/journal.pone.0090513 .

OGREN, R. E. & KAWAKATSU, M., 1990. (BFC28.) Index to the species of the family Geoplanidae (Turbellaria, Tricladida, Terricola). Part I: Geoplaninae. Bull. Fuji Women's College, (28), II: 79-166.

OLIVEIRA, S. M., BOLL, P. K., BAPTISTA, V. A. & LEAL-ZANCHET, A. M., 2014. Effects of pine inversion on land planarian communities in an area covered by *Araucaria* moist forest. Zool. Stud. (Springer), 53 (19): 1-7.

RIESTER, A., 1938. Beiträge zur Geoplaniden-Fauna Brasiliens. Abhandl. Senckenberg. Naturforsch. Gesellschaft, Abhandl. 441: 1-88 + Taf. 1 and 2.

ROSSI, I., FONTOURA, M., AMARAL, S. & LEAL-ZANCHET, A. M., 2014. A new species of land flatworm (Platyhelminthes: Continenticola) from areas of Araucaria Forest in Southern Brazil. Zootaxa, 3994 (4): 514-524.

SCHULTZE, M. & MÜLLER, F., 1857. Beiträge zur Kenntnis der Landplanarien, nach Mittheilungen des Dr. Fritz Müller in Brasilien und nach eigenen Untersuchungen von Dr. Max Schultze. Abhandl. Natur. Gesel. Halle, 4: 19-38.

STOKES, A. N., DUCEY, P. K., NEUMAN-LEE, L., HANIFIN, C. T., FRENCH, S. S., PFRENDER, M. E., BRODIE III, E. D. & BRODIE Jr., E. D., 2014. Confirmation and distribution of tetrodotoxin for the first time in terrestrial flatworm species (*Bipalium adventitium* and *Bipalium kewense*). PLOS ONE, 9 (6): 1-6.

VILA-FARRÉ, M., SLUYS, R., MATEOS, E., JONES, H. D. & ROMERO, R., 2011. Land planarians (Platyhelminthes: Tricladida: Caenoplanidae) from the Iberian Peninsula: new records and description of two new species, with a discussion on ecology. Jour. Nat. Hist, 45 (15-16): 869-891.

VON GRAFF, L., 1894. Landplanarien. Alfredo Viaggio del dott. Alfredo Borelli nella Republica Argentina e Paraguay, V. Boll. Mus. Zool. Anat. Comparata della R. Univ. Torino, 9 (82): 1-4.

VON GRAFF, L., 1896. Über die Morphologie des Geschlechts-apparatus der Landplanarien. Verhandl. Deutsch. Zool. Gesellschaft, 6: 75-93.

VON GRAFF, L., 1899. Monographie der Turbellarien II. Tricladida Terricola (Landplanarien). Pp. i-ixv + 1-574; Atlas von Achtundfunfzig Tafeln zu Monographie der Turbellarien. II. Tricladida Terricola (Landplanarien). Pls. I-LVIII. Verlag von Wilhelm Engelmann. Leipzig.

WINSOR, L., 1991. A provisional classification of Australian terrestrial geoplanid flatworms (Tricladida: Terricola: Geoplanidae). Victorian Naturalist, 108 (2): 42-49.

## COMMENTS

Additionally, two explanatory comments are given at the end of this Web Article, ARTICLE II.

### I. You Tube Terrestrial Flatworm Videos. Uploaded by 'flatwormzoo' (Dr. H. D. Jones).

Some 15 videos showing behavior of terrestrial flatworms and nemertines. Those species and their URLs are listed below. A short explanation of each video was given by the original photographer.

- Microplana terrestris* (UK): <http://www.youtube.com/watch?v=kInmXFhqS80>  
*Microplana scharffi* (UK): <http://www.youtube.com/watch?v=5NKNVfOud2Y>  
*Microplana kwiskea* (UK): <http://www.youtube.com/watch?v=MUSfSewWaqM>  
*Obama ? quasimarmorata* (UK):  
[http://www.youtube.com/watch?v=sZU\\_ncoawfY](http://www.youtube.com/watch?v=sZU_ncoawfY)  
*Caenoplana coerulea* (UK): [http://www.youtube.com/watch?v=XQLX\\_3Mwhfc](http://www.youtube.com/watch?v=XQLX_3Mwhfc)  
*Kontikia ventrolineata* (UK): <http://www.youtube.com/watch?v=NI1TbhZ□0Ns>  
*Rhynchodemus sylvaticus* (videoed in Bermuda, but widespread in Europe and USA): <http://www.youtube.com/watch?v=dUDHpWYrLq0>  
*Kontikia andersoni* (UK): <http://www.youtube.com/watch?v=52kY2zY9wOg>  
*Arthurdendyus triangulatus* (the New Zealand flatworm, videoed in Scotland):  
<http://www.youtube.com/watch?v=aNNH5liqQ1Y>  
*Australoplana sanguinea* (the Australian flatworm, these from Lancashire):  
<http://www.youtube.com/watch?v=RAahA7OtVtQ>  
*Microplana termitophaga* (Zimbabwe):  
[http://www.youtube.com/watch?v=ZpXSz8byR\\_s](http://www.youtube.com/watch?v=ZpXSz8byR_s)  
and: <http://www.youtube.com/watch?v=EP-uktF0LvQ>  
*Bipalium kewense* (Zimbabwe): <http://www.youtube.com/watch?v=IDi-k0x9cZg>  
Terrestrial nemertines: <http://www.youtube.com/watch?v=eg6NIDcaTF4>  
*Geonemertes (Argonemertes) dendyi* (Devon & Yorkshire).  
*Geonemertes (Antiponemertes) pantini* (Tresco, Isles of Scilly):

Their taxonomic positions and scientific names are shown in the followings. Literatures and publication years of each taxa are excluded here. Cf. Kawakatsu, Murayama, Kawakatsu, M-y. & Kawakatsu, T. (2009); Sluys, Kawakatsu, Riutort & Baguña (2009).

Phylum PLATHELMINTHES Schneider, 1873 / PLATYHELMINTHES Claus, 1887  
Clade Rhabditophora Ehlers, 1985  
Subclade Eulecithophora De Beauchamp, 1961 sense in Sopott-Ehlers, 1997  
Superorder Seriata Bresslau, 1933 sense in Soppot-Ehlers, 1997

Order Tricladida Lang, 1884  
 Suborder Continenticola Carranza, Littlewood, Clough, Ruiz-Trillo, Baguña & Riutort, 1998  
 Superfamily Geoplanoidea Stimpson, 1857  
 Family Geoplanidae Stimpson, 1857  
 Subfamily Bipaliinae Von Graff, 1896  
 Genus *Bipalium* Stimpson, 1857  
*Bipalium kewense* Moseley, 1878  
 Subfamily Microplaninae Pantin, 1953  
 Genus *Microplana* Vejdovský, 1890  
*Microplana kwiskea* Jones, Webster, Littlewood & McDonald, 2008  
*Microplana scharffi* (Von Graff, 1896)  
*Microplana termitophaga* Jones, Darlington & Newson, 1990  
*Microplana terrestris* (Müller, 1774)  
 Subfamily Rhynchodeminae Von Graff, 1896  
 Tribe Rhynchodemini Von Graff, 1896  
 Genus *Rhynchodemus* Leidy, 1851  
*Rhynchodemus sylvaticus* (Leidy, 1851).  
 Tribe Caenoplanini Ogren & Kawakatsu, 1991  
 Genus *Arthurdendyus* Jones & Gerard, 1999  
*Arthurdendyus triangulatus* (Dendy, 1895)  
 Genus *Australoplana* Winsor, 1991  
*Australoplana sanguinea* (Moseley, 1877)  
 Genus *Caenoplana* Moseley, 1877  
*Caenoplana bicolor (variegata)* (Von Graff, 1899)  
*Caenoplana coerulea* Moseley, 1877  
 Genus *Kontikia* G. G. Froehlich, 1955  
*Kontikia andersoni* Jones, 1981  
*Kontikia ventrolineata* (Dendy, 1892)  
 Subfamily Geoplaninae Stimpson, 1857  
 Genus *Obama* Carbayo, Álvarez-Presas, Olivares, Marques, Froehlich & Riutort, 2013  
*Obama ? quasimarmorata* (Guernsey & Fordham, 2008)

Phylum NEMERTEA Schultze, 1851  
 Class Enopla Schultze, 1851  
 Superorder Hoplonemertea Hubrecht, 1879  
 Order Monostilifera Brinkmann, 1917  
 Suborder Distromatonemertea Thollessen & Norenburg, 2003  
 Family Plectonemertidae Gibson, 2001  
 Genus *Argonemertes* Dakin, 1915  
*Argonemertes dendyi* (Dakin, 1915)  
*Antiponemertes pantini* (Southgate, 1954)

## II. Undescribed Bipaliid Species of Taiwan

**An anxious web article in Taiwanese was found. It is as follows .**



**Chén, Y-Xiang, Li, J-Xin, Lǐn, J-YU & Lián, Z-Wei (Guide: Zhōng, Z-Jin), 2010. [Observation of the movement of a land planarian *Diversibipalium* sp. of Lilín in Taipei Prefecture (a bitter orange species with 5 blackish longitudinal dorsal stripes), Taiwan]. In: The 50th National Primary and High Schools Science Fair of Taiwan Science Education Center, Republic of China. Pp. 1-29 (+ a single page without pagination: a Comment). With 57 figures including tables. <http://activity.ntsec.gov.tw/activity/race-1/50/pdf/030517.pdf> .**

**Note.** These authors gave a Latin name for their sample worm as *Bipalium aurantiacus*. Although a grammatical error is found in their composed Latin name cited here, it can be found in the Google Search. It must be emphasized that the above-cited Latin name is not a valid scientific name (cf. ICZN 4th Ed., 1999, Art. 16). Thus, this undescribed bipaliid land planarian species should be recorded as *Diversibipalium* sp. of Lilín, Taiwan.

For the Collective Group *Diversibipalium* Kawakatsu, Ogren, Froehlich & Sasaki, 2002, see the web article in Kawakatsu's Homepage.

#### REFERENCES FOR EXPLANATORY COMMENTS

INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE (Ed.), INTERNATIONAL CODE OF ZOOLOGICAL NOMENCLATURE. Fourth Edition adopted by the International Union of Biological Sciences. Pp. i-xxxix, 1-126 (English text) + 127-271 (Texte Français) + 272-306 (both in Francaise and English). The International Trust for Zoological Nomenclature, 1999. c/o The Natural History Museum, London. UK.

KAWAKATSU, M., MURAYAMA, H., KAWAKATSU, M-y. & KAWAKATSU, T., 2009. A new list of Japanese freshwater planarians based upon a new higher classification of planarian flatworms proposed by Sluys, Kawakatsu, Riutort & Bagaña (2009). Kawakatsu's Web Library on Planarians, Dec 25, 2009: 1-40 + Pls I-XV. <http://www.riverwin.jp/pl/> . Left button: NewList FPs JAPAN,,

KAWAKATSU, M., OGREN, R. E., FROEHLICH, E. M. & SASAKI, G.-yu, 2002. 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. PART I. Revision of the list of species in the Family Bipaliidae published in the previous geographic locus index. Bull. Fuji Women's Univ., (40), II: 162-170. <http://www.riverwin.jp/pl/> . Left button: Planarian.net mirror. Land planarian indices series. Crick the button 2002.

SLUYS, R., KAWAKATSU, M., RIUTORT, M. & BAGUÑÀ, J., 2009. A new higher classification of planarian flatworms (Platyhelminthes Tricladida). Jour. Nat. Hist., 4-3 (29-30): 1763-1777.

WU, S.-K., KAWAKATSU, M. , LUE, K.-Y., LEE, J.-D., TSAI, G.-L., LIN, H.-H., SLUYS, R. & SASAKI, G.-yu, 2005. A preliminary study on land planarians of Taiwan. *Endemic Species Research, Taiwan*, 7 (2): 23-40. (In English, with Taiwanese abstract.)

*Addresses of the Authors:*

Dr. Masaharu KAWAKATSU.

Home address: 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](mailto:dqa01524@nifty.ne.jp) .

Dr. Eudóxia Maria FROEHLICH, Professor of Zoology, Emeritus, Departamento de Zoologia, Instituto de Biociencias, Universidade de São Paulo, Rua do Matão, Travessa 14, N°. 101, Butanta - São Paulo I SP - 05508 900, Brasil.

Tel: International: +55 11 3091 7513 / Fax (International: +55 11 3091-7802).

E-mail: [emfroeh@ib.usp.br](mailto:emfroeh@ib.usp.br) .

Home address: Al. J. E. de Lima, 1095/102, CEP 01403-003, Sao Paulo, SP-Brasil.

Website URL <http://www.ib.usp.br/presquisa/froehlich.htm> .

Dr. Hugh D. JONES, Scientific Associate, 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@btopenword.com](mailto:flatworm@btopenword.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@lcon.home.ne.jp](mailto:traviq@lcon.home.ne.jp) .

\*\*\*\*\*

December 25, 2014.

Link: <http://www.riverwin.jp/pl/>