

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 - 6

by

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INTRODUCTION

In the previous publications of the Land Planarian Indices Series, "Additions and Corrections" are included with the following papers by OGREN & KAWAKATSU (1988 a, pp. 3-12; 1989, p. 91; 1991, p. 98) and OGREN, KAWAKATSU & FROEHLICH (1992, pp. 62-89; 1993 b, pp. 80-83; 1994, pp. 73-86; 1995, pp. 79-85; 1996, pp. 87-93). This paper is a continuation from the sections in the previous papers cited above.

Publications, publishing years and paginations are shown as follows: BFC25 = Bull. Fuji Womens College, No. 25, Ser. II, in 1987 (BIPALIIDAE); BFC26 = *Ibid.*, No. 26, Ser. II, in 1988 (RHYNCHODEMIDAE, Part I: Rhynchodeminae); BFC27 = *Ibid.*, No. 27, Ser. II, in 1989 (RHYNCHODEMIDAE, Part II: Microplaninae); BFC28 = *Ibid.*, No. 28, Ser. II, in 1990 (GEOPLANIDAE, Part I: Geoplaninae); BFC29 = *Ibid.*, No. 29, Ser. II, in 1991 (GEOPLANIDAE, Part II: Caenoplaninae and Pematoplaninae); BFC30 = *Ibid.*, No. 30, Ser. II, in 1992 (GEOPLANIDAE, Part II: Caenoplaninae and Pematoplaninae - A Continuation); BFC30 = *Ibid.*, No. 30, Ser. II, in 1992 (Additions and Corrections of the Previous Land Planarian Indices of the World); BFC31 = *Ibid.*, No. 31, Ser. II, in 1993 (Additions and Corrections, etc. Addendum I); BFC31 = *Ibid.*, No. 31, Ser. II, in 1993 (Additions and Corrections, etc. Addenda II and III); BFC32 = *Ibid.*, No. 32, Ser. II, in 1994 (Additions and Corrections, etc. - 3); BFC33 = *Ibid.*, No. 33, Ser. II, in 1995 (Additions and Corrections, etc. - 4); BFC34 = *Ibid.*, No. 34, Ser. II, in 1996 (Additions and Corrections, etc. - 5). OP = Occasional Publications, Biol. Lab., Fuji Womens College, No. 19, in 1988 (Additions and Corrections, BIPALIIDAE). Citations in full of these publications are shown in each subheading in the text of this paper (see also "References").

ADDITIONS AND CORRECTIONS OF THE PREVIOUS LAND PLANARIAN INDICES OF
THE WORLD (TURBELLARIA, SERIATA, TRICLADIDA, TERRICOLA) - 6

- 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).

BFC25. Pp. 81 – 82. *Bipalium adventitium* Hyman, 1943. Add the following item.

Bipalium adventitium : Boyko, 1996 : 5 (with taxonomic remarks).

BFC25. Pp. 83 – 84. *Bipalium costaricense* Hyman, 1939. Add the following item.

Bipalium costaricensis : Boyko, 1996 : 5 (with taxonomic remarks).

BFC25. P. 87. *Bipalium fuscatum* Stimpson, 1857. Add the following item.

Bipalium fuscatum (?) : Yamamoto, 1997 : 2 (by title only) ; karyotype and idiogram in a distribution print : $2x = 12$ ($2m + 2st + 2m + 2sm + 2m + 2m$). Shimabara, Nagasaki Pref., Kyūshū / Japan.

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

Bipalium kewense : Eldredge & Miller, 1997 : 7. Hawaii / U. S. A.

Bipalium kewense : Winsor, 1997 : 577. Queensland / Australia.

Bipalium kewense (?) : Yamamoto, 1997 : 2 (by title only) ; karyotype and idiogram in a distribution copy : $2x = 18$ ($2m + 2m + 2m + 2sm + 2st + 2sm + 2sm + 2sm + 2sm$). Nagasaki, Nagasaki Pref., Kyūsyū / Japan.

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

Bipalium nobile : Shirasawa & Makino, 1997 : 75 – 81, pls. 1 – 4, figs. 1 – 14 (light and electron photomicrographs of ovary). Hino, near Tōkyō / Japan.

Bipalium nobile : Yamamoto, 1997 : 2 (by title only) ; karyotype and idiogram in a distribution print : $2x = 10$ ($2m + 2sm + 2st + 2sm + 2sm$). Kinkai-chō, near Nagasaki, Nagasaki Pref., Kyūsyū / Japan.

BFC25. P. 98. *Bipalium pennsylvanicum* Ogren, 1987. Add the following item.

Bipalium pennsylvanicum : Boyko, 1996 : 5 (with taxonomic remarks).

BFC25. Pp. 107 – 111. Undescribed Species. Add the following items.

Bipalium sp. of Nepal. Yamada, 1968.

Bipalium sp. : Yamada, 1968 : 88. He observed live specimens over 40cm in length. Preserved specimens were lost.

B. RHYNCHODEMIDAE INDEX, PART I : RHYNCHODEMINAE

(1988 : Bull. Fuji Womens College, No. 26, Ser. II, pp. 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).

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

Platydemus manokwari : Eldredge & Miller, 1997 : 7. Hawaii / U. S. A.

Platydemus manokwari : Winsor, 1997 : 577 – 578. Queensland / Australia.

BFC26. Pp. 67 – 68. *Rhynchodemus americanus* Hyman, 1943. Add the following item.

Rhynchodemus americanus : Boyko, 1996 : 23 (with taxonomic remarks).

BFC26. P. 74. *Rhynchodemus oahuensis* Hyman, 1934. Add the following items.

Rhynchodemus oahuensis : Boyko, 1969 : 23 (with taxonomic remarks).

Rhynchodemus oahuensis : Eldredge & Miller, 1997 : 7. Hawaii / U. S. A.

BFC26. P. 74. *Rhynchodemus obscurus* Fletcher et Hamilton, 1888. Add the following item.

Rhynchodemus obscurus : Winsor, 1997 : 577. Queensland / Australia.

BFC26. P. 76. *Rhynchodemus putzei* von Graff, 1899. Add the following item.

Rhynchodemus putzei : Winsor, 1997 : 577. Queensland / Australia.

BFC26. Pp. 82-84. Undescribed Rhynchodemid Species (Rhynchodeminae). Add the following items cited from Table 2 of Winsor's 1997 paper, p. 577 : A checklist of terrestrial flatworms from Queensland.

Cotyloplana sp. 1. Millaa Millaa S / Lake Eacham.

Cotyloplana sp. 2. Millaa Millaa S.

Digonopyla sp. 1. Kirrama.

Dolichoplana sp. 1. Kirrama.

Dolichoplana sp. 2. Townsville / Charters Towers.

Dolichoplana sp. 3. Iron Range.

Dolichoplana sp. 4. Atherton Tablelands.

Dolichoplana sp. 5. Paluma.

Dolichoplana sp. 6. Eungella and Bowen.

Dolichoplana sp. 7. Millaa Millaa S.

Dolichoplana sp. 8. Cooroy, Gin Gin.

Dolichoplana sp. 9. Paluma.

? *Dolichoplana* sp. Mt. Finnigan.

Platydemus sp. 1. Malanda.

Platydemus sp. 2. Millaa Millaa S (neck band).

Platydemus sp. 3. Millaa Millaa.

Platydemus sp. 4. Millaa Millaa (white blotched).

Platydemus sp. 5. Paluma.

Rhynchodemus sp. Eungella (arboreal).

Rhynchodemid sp. 1. Lake Eacham.

Rhynchodemid sp. 2. Kirrama (pink).

Rhynchodemid sp. 3. Windsor Tablelands.

Rhynchodemid sp. 4. Condon.

Rhynchodemid sp. 5. Eprapah.

Rhynchodemid sp. 6. Mt. Stuart.

Rhynchodemid sp. 7. Charters Towers.

Rhynchodemid sp. 8. Cooroy.

gen. nov. A sp. nov. Charters Towers.

gen. nov. B sp. nov. Paluma.

gen. nov. D sp. nov. Red Falls.

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, pp. 78 – 80 ; 1993 : *Ibid.*, No. 31, Ser. II, pp. 81 – 82 ;

1994 : *Ibid.*, No. 32, Ser. II, pp. 76 – 77 ; 1995 : *Ibid.*, No. 33, Ser. II, p. 81 ;

1996 : *Ibid.*, No. 34, Ser. II, p. 89).

BFC27. P. 57. *Diporodemus indigenus* Hyman, 1943. Add the following item.

Diporodemus indigenus : Boyko, 1996 : 7 (with taxonomic remarks).

BFC27. P. 57. *Diporodemus plenus* Hyman, 1941. Add the following item.

Diporodemus plenum : Boyko, 1996 : 7 (with taxonomic remarks).

BFC27. Pp. 57 – 58. *Diporodemus yucatanii* Hyman, 1938. Add the following item.

Diporodemus yucatanii : Boyko, 1996 : 7 – 8 (with taxonomic remarks).

BFC27. P. 70. *Microplana rufoccephalata* Hyman, 1954. Add the following item.

Microplana rufoccephalata : Boyko, 1996 : 15 (with taxonomic remarks).

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

Rhynchodemus terrestris : Reise, 1994 : 89 – 90. Oberlausitz, Görlitz, Oder / Germany.

BFC26. Pp. 82 – 84. Undescribed Rhynchodemid Species (Microplaninae). Add the following item cited from Table 2 of Winsor's 1997 paper, p. 577 (Queensland).

gen. nov. C sp. nov. Paluma.

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).

BFC28. Pp. 93 – 94. *Amaga contamanensis* (Hyman, 1955). Add the following item.

Geoplana contamanensis : Boyko, 1996 : 10 (with taxonomic remarks).

BFC29. P. 98. *Geoplana (Geoplana) arkalabamensis* Ogren et Darlington, 1991. Add the following item.

Geoplana arkalabamensis : Boyko, 1996 : 10 (with taxonomic remarks).

BFC28. P. 140. *Notogynaphallia andina* (Hyman, 1962). Add the following item.

Geoplana andina : Boyko, 1996 : 10 (with taxonomic remarks).

BFC28. P. 145. *Pasipha aphalla* (Hyman, 1941). Add the following item.

Geoplana aphalla : Boyko, 1996 : 10 (with taxonomic remarks).

BFC28. P. 158. *Pseudogeoplana panamensis* (Hyman, 1941). Add the following item.

Geoplana panamensis : Boyko, 1996 : 10 (with taxonomic remarks).

BFC28. P. 161. *Pseudogeoplana ucayalensis* (Hyman, 1995). Add the following item.

Geoplana ucayalensis : Boyko, 1996 : 10 (with taxonomic remarks).

E. GEOPLANIDAE INDEX, PART II : CAENOPLANINAE AND PELMATOPLANINAE

(1991 : Bull. Fuji Womens College, No. 29, Ser. II, pp. 25 – 102 ;

1992 : *Ibid.*, No. 30, Ser. II, p. 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).

BFC29. P. 52. *Artioposthia parva* (Steel, 1897). Add the following item.

Australopacifica pava : Winsor, 1997 : 577. Spelling error. Queensland / Australia.

Note. In his reprint of 1997 paper, the generic name was corrected as *Artioposthia* by handwriting letters.

BFC29. P. 40. *Artioposthia regina* (Dendy, 1892). See BFC29, p. 54. *Australopacifica regina* (Dendy, 1892).

Add the following item.

Artioposthia regina : Winsor, 1997 : 576 – 577. Queensland / Australia.

BFC29. P. 55. *Artioposthia scaphoidea* (Steel, 1900). Add the following item.

Australopacifica scaphoidea : Winsor, 1997 : 677. Queensland / Australia.

Note. In his reprint of 1997 paper, the generic name was corrected as *Artioposthia* by handwriting letters.

BFC29. P. 41. *Artioposthia triangulata* (Dendy, 1895). Add the following item.

Artioposthia triangulata : Mather & Christensen, 1996 : 172 – 173, 178.

BFC29. P. 56. *Australopacifica subpallida* (Hyman, 1939). Add the following items.

Geoplana subpallida : Boyko, 1996 : 10 (with taxonomic remarks).

Australopacifica subpallida : Eldredge & Miller, 1997 : 7. Hawaii / U. S. A.

BFC29. P. 58. *Australopacifica testacea* (Hutton, 1880). Add the following item.

Artioposthia testacea : Mather & Christensen, 1996 : 173.

BFC31. P. 73. *Australoplana alba* (Dendy, 1891). See BFC29, pp. 61 – 62. *Caenoplana alba* (Dendy, 1891). Add the following items.

Australoplana sanguinea var. *alba* : Mather & Christensen, 1996 : 171 – 178, figs. 1 – 4 (graphs

- showing weight distribution, etc.). S. Island / New Zealand.
Geoplana sanguinea (Moseley) var. *alba* (Dendy) : Mather & Christensen, 1996 : 171, 177.
Australoplana sanguinea (Moseley) var. *alba* (Dendy) sensu Jones, 1981: Terrace & Baker, 1996 :
 177–178. Kingswood, South Australia / Australia.
 BFC29. p. 62. *Caenoplana bicolor* (von Graff, 1899). See BFC29, p. 43. *Australopacifica bicolor* (von
 Graff, 1899). Add the following item.
Caenoplana bicolor : Winsor, 1997 : 577. Queensland / Australia.
 BFC29. Pp. 62 – 63. *Caenoplana coerulea coerulea* Moseley, 1877. Add the following item.
Caenoplana coerulea : Terrace & Baker, 1994 : 371 – 372. Kingswood, South Australia / Australia.
Caenoplana coerulea coerulea : Winsor, 1997 : 577. Queensland / Australia.
 BFC29. Pp. 63 – 64. *Caenoplana coerulea vaga* (Hyman, 1943). Add the following item.
Geoplana vaga : Boyko, 1996 : 10 (with taxonomic remarks).
 BFC29. P. 69. *Endeavouria septemlineata* (Hyman, 1939). Add the following items.
Geoplana septemlineata : Boyko, 1996 : 10 (with taxonomic remarks).
Endeavouria septemlineata : Eldredge & Miller, 1997 : 7. Hawaii / U. S. A.
 BFC31. P. 75. *Fletchamia quinquelineata* (Fletcher et Hamilton, 1888). See BFC29, pp. 53 – 54. *Aus-
 tralopacifica quinquelineata* (Fletcher et Hamilton, 1888). Add the following item.
Fletchamia quinquelineata accentuata : Winsor, 1997 : 577. Queensland / Australia.
 BFC29. P. 80. *Kontikia circularis* (Fyfe, 1956). Add the following item.
Kontikia circularis : Winsor, 1997 : 577. Queensland / Australia.
 BFC29. P. 83. *Kontikia orana* Froehlich, 1955. Add the following item.
Kontikia orana : Winsor, 1997 : 577 – 578. Queensland / Australia.
 BFC31. P. 76. *Parakontikia atrata* (Steel, 1897). See BFC29, p. 42. *Australopacifica atrata* (Steel,
 1897). Add the following item.
Parakontikia atrata : Winsor, 1997 : 577. Queensland / Australia.
 BFC31. Pp. 76 – 77. *Parakontikia ventrolineata* (Dendy, 1892). See BFC29, p. 84. *Kontikia ventrolineata*
 (Dendy, 1892). Add the following item.
Parakontikia ventrolineata : Eldredge & Miller, 1997 : 7. Hawaii / U. S. A.
Parakontikia ventrolineata : Winsor, 1997 : 577. Queensland / Australia.

BFC29. Pp. 95 – 96. Undescribed *Caenoplaninae* and *Pelmatoplaninae* Species. Add the following
 items.

Australopacifica sp. of Lorne Forest Park. Winsor, 1997.

The followings are cited from Table 2 of Winsor's 1997 paper, p. 577 (Queensland).

<i>Australoplana</i> sp. Border Ranges.	<i>Parakontikia</i> sp. Miriam Vale
<i>Australoplana</i> sp. Eungella.	Geoplanid sp. Palima (maculate).
<i>Caenoplana</i> sp. 1. (Widespread).	gen. nov. 1. sp. nov. Paluma.
<i>Caenoplana</i> sp. 2. Atherton Tablelands.	gen. nov. 2. sp. nov. Lake Barrine.
<i>Caenoplana</i> sp. 3. Eungella.	gen. nov. 3. sp. nov. Millaa Millaa S.
<i>Caenoplana</i> sp. 4. Magnetic Island.	gen. nov. 4. sp. nov. 1. Paluma.
<i>Caenoplana</i> sp. 5. Paluma.	gen. nov. 4. sp. nov. 2. Russell River.
<i>Caenoplana</i> sp. 6. Lake Barrine.	<i>Pelmatoplana</i> sp. Roberston.

REFERENCES

The previous publications of this Land Planarian Indices Series are as follows : OGREN & KAWAKATSU (1987, 1988a, b, 1989, 1990, 1991, 1992) and OGREN, KAWAKATSU & FROEHLICH (1992, 1993a, b). For "References" in this Series, see OGREN & KAWAKATSU (1987, pp. 111 – 118; 1988a, pp. 12 – 14; 1989, pp. 91 – 106; 1992, pp. 33 – 46) and OGREN, KAWAKATSU & FROEHLICH (1992, pp. 89 – 97; 1993b, pp. 85 – 86; 1994, pp. 82 – 85; 1995, pp. 79 – 85; 1996, pp. 87 – 93). The papers listed in the previous publications mentioned above are excluded from the following "References".

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ELDRIDGE, L. G. & MILLER, S. E., 1997. Numbers of Hawaiian species : Supplement 2, Including a review of freshwater invertebrates. Bishop Mus. Occ. Papers, (48) : 3 – 22.

MATHER, J. G. & CHRISTENSEN, O. M., 1996. The land planarian *Australoplana sanguinea* var. *alba* at a horticultural site in New Zealand. Ann. Appl. Biol., 129 : 171 – 179.

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REISE, H., 1994. Funder der Landplanarie, *Rhynchodemus terrestris* (O. F. Müller, 1774), in der Oberlausitz (Turbellaria, Tricladida). Bericht. Naturfor. Gesel. Oberlausitz, 3 : 89 – 90.

SHIRASAWA, Y. & MAKINO, N., 1997a. Light and electron microscopic studies on the ovary (germarium) in Tricladida, Terricola (*Bipalium nobile*). Bull. Tokyo Med. College, (23) : 75 – 81 (+ pls. 1 – 4). 1997 b.

Zool. Sci., Tôkyô, 13 - Suppl. : 00.

TERRACE, T. E. & BAKER, G. H. 1994. The blue land planarian, *Caenoplana coerulea* Moseley (Tricladida : Geoplanidae), a predator of *Ommatoiulus moreleti* (Lucas) (Diplopoda : Julidae) in Southern Australia. Jour. Entomol. Aust. Soc., 33 : 371 – 372. 1996. Predation of earthworms by the land planarian, *Australoplana sanguinea* (Moseley) var. *alba* (Dendy) sensu Jones, 1981 (Tricladida : Geoplanidae). Trans. Roy. Soc. S. Australia, 120 (4) : 177 – 178.

WINSOR, L., 1997. The biodiversity of terrestrial flatworms (Tricladida : Terricola) in Queensland : A preliminary report. Mem. Mus. Victoria, 56 (2) : 575 – 579.

YAMAMOTO, K., 1997. Three land planarian species collected from 4 localities in Nagasaki Prefecture, Japan. A title of a lecture given at the 26th Annual Meet. of the Nagasaki-ken Biol. Soc. (Nagasaki ; January 15, 1997). (In Japanese.) The data cited in the text were based upon Mr. Yamamoto's private copy distributed for the participants of the 1997 Meeting.

YAMADA, M., 1968. Freshwater and terrestrial invertebrate animals of Nepal. In : The Committee of Himalaya, Hokkaido University (ed.), The Hokkaido University Scientific Expedition to Nepal Himalaya, 1968, p. 88. Contrib. from the Tethys Soc., Hokkaido Univ., (10). Kôsoku-Insatsu Center, Sapporo. (In Japanese.)

A new series of publications, "TERRESTRIAL FLATWORMS INFOSHEET", are issued by Dr. Leigh WINSOR (Central Service Office, James Cook University, Townsville, QLD 4811, Australia). Fax: +61-07-4725-2721; E-mail: Leigh.Winsor@jcu.edu.au.

WINSOR, L., 1997 a. The collection, handling & preservation of specimens for general identification. TFI, (1): 1-2. 1997 b. The collection, handling & fixation of specimens in the field for taxonomic purposes. TFI, (2): 1-5. 1997 c. Ideas for controlling flatworm information of earthworm beds. TFI, (3): 1. 1997 d. The long wanderers — *Dolichoplana* species: earthworm predators. TFI, (4): 1-2.

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