

INDEX TO THE SPECIES OF THE GENUS *BIPALIUM* (TURBELLARIA, TRICLADIDA, TERRICOLA)

by

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INTRODUCTION

The genera and species of terrestrial planarians have never been monographed in the sense of modern systematics after VON GRAFF's monographs (1899 and 1912-1917) were published. This animal group is now classified into three families: Bipaliidae VON GRAFF, 1896, Geoplanidae STIMPSON, 1858, and Rhynchodemidae VON GRAFF, 1896. Among them, Bipaliidae now has only the genus *Bipalium* STIMPSON, 1858, which includes some 170 species. They are distributed especially in the Indo-Malay region, the Southeast Asiatic area and Madagascar. Unfortunately, about two-thirds are described only by their external and general appearances; some original descriptions lack figures of body shape and dorsal and ventral patterns. This status of the genus is one reason for the slow progress of modern taxonomic studies of these animals.

From a historical perspective, it is interesting to realize that the original concepts of the genus *Bipalium* in the Latin definition by STIMPSON (1858, p. 25) are still useful today although requiring translation.

"Corpus lineare, depressiusculum. Caput discretum, lunatum, transversum, auriculis longis retrorsum tendentibus. Ocelli numerosi, minuti, in capite, plerumque in ejus marginibus dispositi. Os centrale v. postcentrale. Apertura genitalis inter os et extremitatum posteriorem, saepius ad dimidiam distantiae".

The four original *Bipalium* species were: *B. maculatum*, *B. fuscatum*, *B. trilineatum*, and *B. virgatum*. All these species were described from the Territories of Japan.

At a later date STIMPSON (1861) provided etymology for his genus *Bipalium* (= *Bipaliura*). He stated the name was given because the head end of the animal resembles "a double mattock or pick-ax" (Latin: bi=two; palus, pali (pl.)=masculine noun meaning stake; the "-ium" ending is here considered neuter). An alternate name of *Bipaliura*, briefly introduced in the title of his paper, would mean double post (mattock) with a tail and was not used taxonomically. Today, the words lunate or half-moon, semicircular, more readily visualized by the average person, are used in describing the head shape.

The name *Sphyrocephalus* was introduced by SCHMARDA (1859) and is now a junior synonym as discussed by HUMBERT & CLAPARÈDE (1862). Also *Dunlopea* WRIGHT, 1860, was introduced to recognize collector Mr. A. DUNLOP, Esq. Three species were described under this genus: *D. ferud-poorensis*, *D. Grayia* and *D. Cantoria*. The genus *Dunlopea* subsequently was made a junior synonym of *Bipalium* on the basis of priority. DIESING (1861), HUMBERT & CLAPARÈDE (1862) and also MOSELEY (1875) accepted *Bipalium*; the latter reproduced the Latin definition.

VON GRAFF (1896, 1899) defined the family Bipaliidae VON GRAFF, 1896, for planarians

having a broad, transverse, head plate, possessing numerous small eyes along the border and having the creeping sole begin at the base of the headpiece. He divided the family on basis of head shape into three genera. Translated definitions based on VON GRAFF (1899, p. 282) for these genera are as follows:

Genus *Perocephalus* VON GRAFF, 1896: Head plate rudimentary, not much broader than the body.

Genus *Bipalium* STIMPSON, 1858 (emend. VON GRAFF, 1896): Head plate, well developed, much broader than long and with the lateral auricles elongated.

Genus *Placocephalus* VON GRAFF, 1896: Head plate with a flat, semicircular outline.

In an extended footnote, MÜLLER (1902, pp. 76-77) concluded that the three genera *Perocephalus*, *Bipalium* and *Placocephalus* should be united under *Bipalium*, because he believed there was not sufficient anatomical basis for distinguishing the genera, the choice of genus was often arbitrary, specimens were quite variable and the genera did not represent natural groupings. But the use of the three genera continued as shown in later works by MELL (1903), RITTER-ZÁHONY (1905), WALTON (1904, 1907), etc.

In a major treatise, VON GRAFF (1912-1917) recognized and accepted the conclusions of MÜLLER (1902), and rewrote the definition of Bipaliidae VON GRAFF, 1896, with the result that it became the definition of the genus *Bipalium* as emended by MÜLLER (1902). Some writers afterwards, perhaps unaware of VON GRAFF's changes, continued for a few years to use *Perocephalus* and *Placocephalus* (e. g., KABURAKI, 1920 a, b, 1922 a, b; SCHIRCH, 1929; WALTON, 1912; and others). However, today the single genus *Bipalium* is used exclusively (cf. CANNON, 1986, p. 68) and the main features remain: Elongate, flattened body, semilunar head, small marginal eyes, sensory groove around the head, creeping sole beginning at the base of headpiece. To this should be added: the copulatory organs are simple, without accessory ducts, or copulatory bursa, while the male and female exit ducts are separated by a fold of tissue before they enter the common genital antrum.

It is entirely possible that in the future increased anatomical knowledge of the various species in the genus *Bipalium* may provide suitable basis for subdivisions based on reliable features (cf. WINSOR, 1983).

The present index is an attempt to collect major known taxonomic information on all bipaliid species of the world. The complete synonymy of the species is listed. The valid specific names are arranged in alphabetical order. Usually, varieties published in original papers are treated as subspecies. Corrections of erroneous spellings of specific names have been made according to the International Code of Zoological Nomenclature (ICZN), Third Edition (1985). Variations in the spelling of individual names, which may be spelling errors, misprints, etc., are also listed.

In this index only two new names have been established: *Bipalium gebai* for *Bipalium pictum* GEBÄ, 1909, and *Bipalium whitehousei* for *Placocephalus superbus* WHITEHOUSE, 1914.

The following abbreviations are used in the index: anon., anonymous; comb. nov., new combination; emend., emended name; nom. nov., new name; nom. nud., unavailable name (ICZN, Art. 12, 13); n. sp., new species; n. var., new variety used by original describers (they are treated as subspecies in most cases).

For the citation of original figures in each paper, the following abbreviations are employed: AE, arrangement of eyes; CP, parts of the body showing the color patterns; DB, dorsal view of the body; DH, dorsal view of the head; 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 organs; HI, histological figures; PCA, photographs of the copulatory apparatus.

Indices of the genera and species of the families Geoplanidae and Rhynchodemidae will be published by ourselves in near future.

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INDEX

Order TRICLADIDA LANG, 1884

Suborder TERRICOLA HALLEZ, 1890

Family BIPALIIDAE VON GRAFF, 1896

Genus *BIPALIUM* STIMPSON, 1858

Synonymy :

Sphyrocephalus SCHMARDA, 1859

Dunlopea WRIGHT, 1860

Bipaliura STIMPSON, 1861

Perocephalus VON GRAFF, 1896

Placocephalus VON GRAFF, 1896

Bipaluria STIMPSON, 1861 : WINSOR, 1983 : 63.

Note : STIMPSON's article, in the Proceedings of the Academy of Natural Sciences of Philadelphia, was in volume IX for the year 1857, but was not published until 1858 (cf. KAWAKATSU, 1985, p. 88, footnote 5).

Bipalium adensameri von Graff, 1899

Bipalium adensameri nom. nud. von Graff, 1898 : 121.

Bipalium adensameri n. sp. von Graff, 1899 : 431-432 ; taf. VIII, fig. 29 (DB in color). Buitenzorg, Java / Indonesia.

Bipalium adensameri : Müller, 1907 : 433-435 ; taf. XIX, fig. 9 (FCA), XX, fig. 4 (FCA).

Bipalium adensameri : de Beauchamp, 1929 : 5-6. Buitenzorg, Java / Indonesia.

Bipalium adensameri : de Beauchamp, 1938 : 54. Indonesia.

Bipalium adensameri : de Beauchamp, 1939 : 315-316, pl. VII, fig. 6 (DH). Caûda and Gia prês Varella, S. Annam / Vietnam.

Bipalium admarginatum de Beauchamp, 1933

Bipalium admarginatum n. sp. de Beauchamp, 1933 : 111-113, fig. 1 A and B (AE, FCA) ; pl. VI, fig. 1 (DH). Sedagong, Île Tioman, N. Borneo / E. Malaysia.

Bipalium admarginatum : Tu, 1940 : 220.

Bipalium adventitium Hyman, 1943

Bipalium adventitium n. sp. Hyman, 1943 : 16, fig. 23-25 (DB, AE, FCA). Pasadena and Berkeley, California / U. S. A.

- Bipalium adventitium* : Hyman, 1954 : 15-16.
- Bipalium adventitium* : Klots, 1960 : 33-34.
- Bipalium adventitium* : Ogren, 1981 : 53-54, figs. 1, 3 (DB). Kingston, Pennsylvania / U. S. A.
- Bipalium adventitium* : Ogren, 1984 : 194-198, figs. 2, 5-7 (DB, AE, HI, FCA). California, Massachusetts, New York, Pennsylvania, and Tennessee / U. S. A.
- Bipalium adventitium* : Kawakatsu, 1985 : 94-99, figs. 7-11 (DVB, HI, FCA, PCA). Summerdale, Harrisburg, Pennsylvania / U. S. A.
- Bipalium andrewesi* Whitehouse, 1919
- Bipalium andrewesi* n. sp. Whitehouse, 1919 : 33-34 ; pl. XI, figs. 21 and 22 (DB, VH). Nilgiri Hills / S. India.
- Bipalium andrewsi* : Ogren, 1987 : 28. Spelling error.
- Bipalium bergendali* (von Graff, 1899)
- Placocephalus bergendali* nom. nud. von Graff, 1898 : 123.
- Placocephalus bergendali* n. sp. von Graff, 1899 : 472-473 ; taf. X, figs. 8-9 (DB, CP in color). Buitenzorg and Tjibodas, Java / Indonesia ; Singapore.
- Bipalium bergendali* : Laidlaw, 1903 : 116. Perak ; Kuala Aring, Kelantan / Malaysia.
- Placocephalus bergendali* : Ritter-Záhony, 1905 : 186-190, fig. 3 (HI) ; taf. II, fig. 11 (FCA).
- Placocephalus bergendali* : von Graff, 1915 : 3037, fig. 143 (HI).
- Bipalium bergendali* : Tu, 1940 : 220.
- See *Bipalium robiginosum* von Graff, 1899. Cf. de Beauchamp, 1929 : 6.
- Bipalium bleekeri* (von Graff, 1899) comb. nov.
- Placocephalus Bleekeri* nom. nud. von Graff, 1898 : 124.
- Placocephalus bleekeri* n. sp. von Graff, 1899 : 473 ; taf. XII, figs. 13-17 (DB, DH, CP in color, etc.). Buitenzorg, Java / Indonesia.
- Bipalium boehmigi* Müller, 1903
- Bipalium böhmigi* n. sp. Müller, 1903 : 79-81 ; taf. IV, fig. 3 (DB, VH). Kwala Aring, Kelantan, Malay Peninsula / Malaysia.
- Bipalium böhmigi* : Tu, 1940 : 220.
- Cf. ICZN (1985 ; Art. 32 (d) (i) (2)).
- Bipalium brauni* Mell, 1902
- Bipalium brauni* n. sp. Mell, 1902 : 219-220 ; taf. XXX, figs. 7 and 8 (DB, CP). Fort Dauphin / Madagascar.
- Bipalium brunneum* Whitehouse, 1919
- Bipalium brunneus* n. sp. Whitehouse, 1919 : 34-35, pl. XI, figs. 24-26 (DVB, CP). Bagarkote, Kumaon in the Western Himalayas, and in the Cochin State / S. India.
- Bipalium brunneum* : de Beauchamp, 1930 : 675-676. emend.
- Bipalium brunneus* : Ogren, 1987 : 28.
- Bipalium cantori* (Wright, 1860)
- Dunlopea Cantoria* n. sp. Wright, 1860 : 56 ; text-fig. on p. 56 (DH). Ningpo / N. E. China.
- Bipalium Cantori* : Diesing, 1861 : 515.
- Bipalium Cantoria* : Moseley, 1875 : 108.
- Bipalium Cantori* : Moseley, 1877 : 290.
- Bipalium Cantori* : Loman, 1887 : 64.
- Bipalium cantori* : von Graff, 1897 : 112.
- Bipalium cantori* : von Graff, 1899 : 443-444 ; taf. XIII, figs. 1-2 (DB, VH in color). Ningpo / N.

E. China.

Bipalium cantori: Kaburaki, 1922b; 155-158; text-fig. on p. 157 (FCA). Soochou (Suchou), near Shanghai / China.

Bipalium cantori: Tu, 1940: 220.

Bipalium cantori: Katô, 1950: 189-190; figs. 4-5 (DH, FCA). Hengshuichen and Henglingkuan in Shanshi-Sheng / N. E. China.

Bipalium cantori: Okugawa, 1953: 43.

***Bipalium catenatum* von Graff, 1899**

Bipalium catenatum nom. nud. von Graff, 1898: 125.

Bipalium catenatum n. sp. von Graff, 1899: 447-448; taf. XIII, figs. 29-33 (DB in color, etc.). Palawan / Philippines.

Bipalium catenatum: von Graff, 1917: taf. XXXIV, fig. 4 (DB in color).

Bipalium catenatum: Tu, 1940: 220.

***Bipalium ceres* Moseley, 1875**

Bipalium Ceres n. sp. Moseley, 1875: 109-110; pls. X, figs. 1-2, 6, XIV, fig. 4 (DB, HI, etc.). Peradeniya, Ceylon / Sri Lanka.

Bikalium Ceres: Moseley, 1877: 290.

Bikalium Ceres: Loman, 1887: 64.

Bipalium ceres: von Graff, 1899: 424-425, 219, fig. 65 (FCA); taf. IX, fig. 37 (DB in color), LVIII, fig. 65 (FCA). Ceylon / Sri Lanka.

***Bipalium choristosperma* de Beauchamp, 1925**

Bipalium choristosperma n. sp. de Beauchamp, 1925: 66-67, fig. 3 F and G (FCA, DB). Sarawak, Borneo / E. Malaysia.

Bipalium choristosperma: de Beauchamp, 1926: 335-337, fig. 4 (FCA); pl. 13, figs. 4-6 (DB, FGO).

Bipalium choristosperma: Tu, 1940: 220.

***Bipalium clapparedei* von Graff, 1899**

Bipalium clapparedei nom. nud. von Graff, 1898: 121.

Bipalium clapparedei n. sp. von Graff, 1899: 433; taf. VIII, figs. 22-23 (DB, CP in color). Sunda Islands, Java / Indonesia.

***Bipalium claviforme* Loman, 1890**

?*Sphyrocephalus unistriatus* Kuhl & van Hasselt (Ms.). Cf. Loman, 1887: 85.

?*Sphyrocephalus unistriatus* Kuhl & van Hasselt (Ms.). Cf. Loman, 1890: 141.

?*Sphyrocephalus unistriatus* Kuhl & van Hasselt (Ms.). Cf. von Graff, 1899: 436.

Bipalium claviforme n. sp. Loman, 1890: 141; taf. XII, fig. 5 (DB). Buitenzorg, Java / Indonesia.

Bipalium claviforme: von Graff, 1898: 123.

Bipalium claviforme: von Graff, 1899: 436-437; taf. X, figs. 10-15 (DB, DH, CP in color). Buitenzorg, Java / Indonesia.

***Bipalium core* de Beauchamp, 1930**

Bipalium core n. sp. de Beauchamp, 1930b: 688-692, figs. 9 A-C, 10 and 11 (DB, DVH, AE, FCA). Palnis, Madras / S. India.

***Bipalium costaricense* Hyman, 1939**

Bipalium costaricensis n. sp. Hyman, 1939b: 429-431, fig. 49 E (DB). San José / Costa Rica.

Bipalium costaricense: Froehlich, 1967: 156. emend. Syn. of *Bipalium kewense*.

Bipalium costaricensis : Winsor, 1983 : 64, 88-89. Syn. of *Bipalium kewense*.

Bipalium costaricensis : Ogren, 1984 : 193. Syn. of *Bipalium kewense*.

Bipalium costaricensis : Kawakatsu, 1986 : 7.

Bipalium costaricense : Kawakatsu, 1987 : 2.

See *Bipalium kewense* Moseley, 1878.

Note: Possibly identical with *Bipalium kewense*.

***Bipalium crassatrium* de Beauchamp, 1939**

Bipalium crassatrium n. sp. de Beauchamp, 1939 : 316-318, fig. 7 (FCA). Dalat (=Da Lat), S. Annam / Vietnam.

***Bipalium delicatum* Whitehouse, 1914**

Bipalium delicatum n. sp. Whitehouse, 1914 : 458 ; pl. XXIX, figs. 7 and 8 (DVB, DH). Rotung, Assam / India.

***Bipalium dendrophilum* (Schmarda, 1859)**

Sphyrocephalus dendrophilus n. sp. Schmarda, 1859 : 36-37, 3 text-figs. (HI, etc.); taf. VIII, fig. 83 a-c (DVB, AE). Ceylon / Sri Lanka.

Bipalium dendrophilum : Diesing, 1861 : 516.

Bipalium dendrophilus : Moseley, 1875 : 108.

Bipalium Dendrophilum : Moseley, 1877 : 290.

Bipalium dendrophilum : Loman, 1887 : 64.

Bipalium dendrophilum : von Graff, 1899 : 427-428.

***Bipalium depressum* Ritter-Záhony, 1905**

Bipalium depressum n. sp. Ritter-Záhony, 1905 : 181-182 ; taf. I, fig. 3 (DVB). Paradenyia (= Peradenyia), Ceylon / Sri Lanka.

Bipalium depressum : de Beauchamp, 1930b : 692-694, figs. 12 and 13 (DVB, FCA). Anaimalais / India.

***Bipalium diana* Humbert, 1862**

Bipalium Diana n. sp. Humbert, 1862 : 303, pl. fig. 1 (DB, DH). Peradenia, Ceylon / Sri Lanka.

Bipalium Diana : Moseley, 1875 : 108 ; pls. X, figs. 3, 5, 9-13, XI, figs. 1, 3-6, 8-9, XII, figs. 1-2, 4-7, XIII, figs. 1-5, 7-12, 16-17, XIV, figs. 3, 6, 8, XV, figs. 6-7, 9, 13, 15 (DB, FCA, etc.).

Bipalium Diana : Moseley, 1877 : 290.

Bipalium Diana : Loman, 1887 : 64.

Bipalium diana : von Graff, 1899 : 422-424 ; taf. XI, figs. 19-27 (DB, DVH in color), XLII, fig. 7 (FPB). Ceylon.

Bipalium diana : Kew, 1900 : 308.

Bipalium diana : Whitehouse, 1914 : 462.

***Bipalium dihangense* Whitehouse, 1914**

Bipalium dihangense n. sp. Whitehouse, 1914 : 455-456 ; pl. XXIX, figs. 1-3 (DVH, DH). Valley of the Dihang River, Abor, Assam / India.

***Bipalium distinguendum* Müller, 1907**

Bipalium distinguendum n. sp. Müller, 1907 : 427-428 ; taf. XIX, fig. 8 (FCA). Natuna Island / Indonesia.

Bipalium distinguendum : Tu, 1940 : 221.

***Bipalium dodabettiae* de Beauchamp, 1930**

Bipalium dodabettiae n. sp. de Beauchamp, 1930b : 685-688, figs. 6-8 (DVH, AE, FCA). Doda-betta (=Doda Betta), Madras, Nilgiris / S. India.

- Bipalium dodabettae* : de Beauchamp, 1961 : 115, fig. 58 B (DVH).
- Bipalium dubium* Loman, 1890
- Bipalium dubium* n. sp. Loman, 1890 : 142-143 ; taf. XII, fig. 10 and a (DB, CP). Panjenggahan, Sumatra / Indonesia.
- Placocephalus dubius* : von Graff, 1898 : 124.
- Placocephalus dubius* : von Graff, 1899 : 223, fig. 68 (FCA) ; 467-468 ; taf. XIII, figs. 9-12 (DH, CP in color). Panjenggahan, Sumatra / Indonesia.
- Placocephalus dubius* : von Graff, 1917 : taf. LI, fig. 9 (FGO).
- Bipalium dubium* : de Beauchamp, 1939 : 307-308, fig. 2 (FCA) ; pl. VII, fig. 2 (DH). Dalat (= Da Lat), Annam / Vietnam.
- Bipalium ellioti* von Graff, 1899
- Bipalium ellioti* nom. nud. von Graff, 1897 : 112, 114.
- Bipalium ellioti* nom. nud. von Graff, 1898 : 122.
- Bipalium ellioti* n. sp. von Graff, 1899 : 456 ; taf. XIX, figs. 30-31 (DVB in color). Matinangkette, N. Celebes / Indonesia.
- Bipalium engeli* den Hartog, 1968
- Bipalium engeli* n. sp. den Hartog, 1968 : 105-107 ; fig. 1 A and B (DVB). Singapore.
- Bipalium ephippium* Loman, 1890
- Bipalium ephippium* n. sp. Loman, 1890 : 139-140 ; taf. XII, fig. 1 a-e (DB, CP). Sumatra / Indonesia.
- Bipalium ephippium* : von Graff, 1898 : 121.
- Bipalium ephippium* : von Graff, 1899 : 215, fig. 62 (FCA) ; 452-453 ; taf. IX, fig. 35 (DH) ; taf. XXXIX, figs. 1-10 (FGO, etc.) ; taf. XL, figs. 1-5 (FGO, etc.) ; taf. LVIII, fig. 62 (FCA). Singkarak, Sumatra / Indonesia.
- Bipalium ephippium* : von Graff, 1914 : 2917, fig. 121 (DH, AE).
- Bipalium ephippium* : von Graff, 1917 : taf. XXXVI, figs. 8-10 (HI) ; taf. LI, fig. 10 (FGO) ; taf. LII, fig. 7 (HI) ; taf. LIII, figs. 7-8 (HI).
- Bipalium everetti* Moseley, 1875
- Bipalium* sp. 1. Houghton, 1870 : 255-256, fig. 1 (DB). Sarawak, Borneo / E. Malaysia.
- Bipalium Everetti* n. sp. Moseley, 1875 : 108.
- Bipalium Everetti* : Moseley, 1877 : 290.
- Bipalium Everetti* : Loman, 1887 : 64.
- Bipalium everetti* : von Graff, 1899 : 254.
- Bipalium Everetti* : de Beauchamp, 1925 : 64-66, figs. D and E (DB and FCA). Sarawak, Borneo.
- Bipalium everetti* : de Beauchamp, 1926 : 331-335, figs. 2-3 (DB, FCA). Mt. Poi and Mt. Penrissen, Sarawak, Borneo / E. Malaysia.
- Bipalium everetti* : Tu, 1940 : 221.
- Bipalium everetti* : de Beauchamp, 1961 : 115, fig. 58 E (DB).
- Bipalium everetti longitudinalis* de Beauchamp, 1933
- Bipalium everetti* var. *longitudinalis* n. var. de Beauchamp, 1933 : 116-117, pl. VI, fig. 6 (DB). Mt. Kinabalu, N. Borneo / E. Malaysia.
- Bipalium everetti* var. *longitudinalis* : Tu, 1940 : 221.
- Bipalium expeditionis* Loman, 1895
- Bipalium expeditionis* n. sp. Loman, 1895 : 32 ; fig. 2 (DB on page 31). N. Borneo / Malaysia.

- Bipalium expeditionis* : von Graff, 1898 : 121. Mt. Damus, N. Borneo / Malaysia.
- Bipalium expeditionis* : von Graff, 1899 : 454. N. Borneo / Malaysia.
- Bipalium expeditionis* : Tu, 1940 : 221.
- Bipalium falcatum* von Graff, 1899**
- Bipalium falcatum* nom. nud. von Graff, 1898 : 120.
- Bipalium falcatum* n. sp. von Graff, 1899 : 430-431 ; taf. VIII, figs. 14-17 (DVB in color, DVH).
- Bipalium falcatum* : von Graff, 1913 : 2717, fig. 11 e (DB).
- Bipalium falcatum* : von Graff, 1914 : 2917, figs. 117-118 (DVH, AE).
- Bipalium falcatum* : Ogren, 1984 : 198-199, fig. 8 (DH). The Barisan Mountains (?), Sumatra / Indonesia.
- Bipalium fenestratum* von Graff, 1899**
- Bipalium fenestratum* nom. nud. von Graff, 1898 : 121.
- Bipalium fenestratum* n. sp. von Graff, 1899 : 453 ; taf. IX, fig. 18 (DB in color). Buitenzorg, Java / Indonesia.
- Bipalium ferrugineum* von Graff, 1899**
- Bipalium ferrugineum* n. sp. von Graff, 1899 : 439 ; taf. X, figs. 29-30 (DB, CP in color). Madagascar.
- Bipalium ferrugineum* : Mell, 1902 : 216-217 ; taf. XXXII, fig. 7 (FCA). Madagascar.
- Bipalium ferrugineoideum* Sabussowa, 1925**
- Bipalium ferrugineoideum* n. sp. Sabussowa, 1925 : 293-297, taf. 6, figs. 3-5 (DH, CP. FCA). Madagascar ?
- Bipalium ferudpoorensis* (Wright, 1860)**
- Dunlopha ferudpoorensis* n. sp. Wright, 1860 : 55. India.
- Bipalium Ferudpoorensis* : Diesing, 1861 : 516. India.
- Bipalium ferudpoorensis* : Moseley, 1875 : Bengal and Naga Hills ? / India.
- Bipalium Ferudpoorensis* : Moseley, 1877 : 290. Bengal, India.
- Bipalium Ferudpoorensis* : Loman, 1887 : 64. Bengal, India.
- Bipalium ferudpoorensis* : von Graff, 1899 : 438. India.
- Bipalium floweri* von Graff, 1899**
- Bipalium floweri* nom. nud. von Graff, 1897 : 112.
- Bipalium floweri* n. sp. von Graff, 1899 : 429 ; taf. VIII, figs. 33-35 (DB, DVH in color). Ceylon / Sri Lanka.
- Bipalium floweri* : Whitehouse, 1914 : 32 ; pl. XI, figs. 15-16 (DVH). Ceylon / Sri Lanka.
- Bipalium floweri* : Ramakrishna & Chauhan, 1962 : 53. Naduvattam, Nilgiris Hills / S. India.
- Bipalium fuligineum* Geba, 1909**
- Bipalium fuligineum* n. sp. Geba, 1909 : 380-381 ; taf. 20, figs. 1 and 2 (DVH). St. Marie Is. / S. Madagascar.
- Bipalium fulvum* (Kaburaki, 1922)**
- Perocephalus fulvus* n. sp. Kaburaki, 1922a : 2, 7-8, 48, 54, pl. 1, fig. 3 (DB in color). Nikkô, Tochigi Pref., Honshû / Japan.
- Perocephalus fulvus* : Kaburaki, 1936 : 506.
- Perocephalus fulvus* : Tu, 1940 : 225, 249.
- Perocephalus ? fulvus* : Okugawa, 1953 : 43.
- Bipalium fulvum* : Kawakatsu, 1983 : 55. comb. nov.
- Bipalium fulvum* : Kawakatsu, 1987 : 1.

Species inquirenda.

Bipalium fuscatum Stimpson, 1858

Bipalium fuscatum n. sp. Stimpson, 1858: 31. Shimoda (Simoda), Izu Peninsula, Shizuoka Pref. / Japan.

Bipalium fuscatum: Diesing, 1861: 515.

Bipalium fuscatum: Moseley, 1875: 108.

Bipalium fuscatum: Moseley, 1877: 290.

Bipalium fuscatum: Loman, 1887: 64.

Placocephalus fuscatus: von Graff, 1898: 121.

Placocephalus fuscatus: von Graff, 1899: 461-462, 220, fig. 66 (FCA); taf. VIII, figs. 8-13 (DB, VH, CP in color). Buitenzorg, Java and Natuna Island / Indonesia; India; Japan.

Placocephalus fuscatus: von Graff, 1917: taf. LI, fig. 8 (FGO).

Placocephalus fuscatus: Kaburaki, 1922a: 34-38, figs. 17-19 (DH, FHA); pl. 1, figs. 8-9 (DB, VH in color). Japan.

Placocephalus fuscatus: Kaburaki, 1927: 1675, fig. 3023 (DB).

Bipalium fuscatum? : de Beauchamp, 1933: 117. Terutau, Siam / Thailand.

Bipalium fuscatus: Tu, 1940: 221.

Bipalium fuscatum: Kaburaki, 1947: 1490, fig. 4200 (DB).

Bipalium fuscatus: Okugawa, 1953: 41.

Bipalium fuscatum: Okugawa, 1960: 174-175, pl. 87, fig. 4 (DB in color).

Bipalium fuscatum: Okugawa, 1965: 321, fig. 43 (DB).

Bipalium fuscatum: Okugawa, 1970: 109, fig. 79 D (DB).

Bipalium fuscatum: Mack-Firă & Kawakatsu, 1972: 641-644, fig. 2 (FCA); pl. 2, figs. A-E (DB, FCA). Dai'ichi-kazuhito-ana Cave, Mt. Fuji-san, Yamanashi Pref., Honshû / Japan.

Bipalium fuscatum: Walton & Yokogawa, 1972: 444-446, figs. 1-4 (DB, DVB, CP). Chiba Pref. / Japan.

Bipalium fuscatum: Kawakatsu, 1983: 55.

Note: The type locality of *Bipalium fuscatum* is described as "Hab. prope urbem Japonicam "Simoda" sub foliis putridis". It is the vicinity of Shimoda, the Izu Peninsula, Shizuoka Pref., Chûbu Region, Honshû, Japan (cf. Heine, 1858-1859).

Bipalium fuscocephalum Kaburaki, 1922

Bipalium fuscocephalum n. sp. Kaburaki, 1922a: 2, 26, fig. 12 (DH, AE), 49, 54, pl. 1, fig. 7 (DB in color). In'nai, Akita Pref., Honshû / Japan.

Bipalium fuscocephalum: Tu, 1940: 221.

Bipalium fuscocephalum: Kawakatsu, 1983: 55.

Bipalium fuscolineatum Kaburaki, 1922

Bipalium fuscolineatum n. sp. Kaburaki, 1922a: 2, 19-22, fig. 9 (FCA), 48, 54, pl. 1, figs. 4 and 5 (DB in color). Nikkô, Tochigi Pref., Honshû / Japan.

Bipalium fuscolineatum: Kaburaki, 1927: 1674, fig. 1023 (DB).

Bipalium fuscolineatum: Tu, 1940: 221. Spelling error.

Bipalium fuscolineatum: Kaburaki, 1947: 1490, fig. 4198 (DB).

Bipalium fuscolineatum: Okugawa, 1953: 42.

Bipalium fuscolineatum: Okugawa, 1960: 174-175, pl. 87, fig. 2 (DB in color).

Bipalium fuscolineatum: Okugawa, 1965: 322, fig. 45 (DB).

- Bipalium fuscolineatum* : Okugawa, 1970 : 109, fig. 79 B (DB).
- Bipalium fuscolineatum* : Kawakatsu, 1983 : 55.
- Bipalium gebai* nom. nov.
- Bipalium pictum* n. sp. Geba, 1909 : 381-382, taf. 20, figs. 6-8 (DVB, CP). Sakana, Urwald / S. Madagascar.
- [nec *Placocephalus pictus* Ritter-Záhony, 1905]. See *Bipalium pictum* (Ritter-Záhony, 1905).
- Bipalium gestroi* von Graff, 1894
- Bipalium gestroi* n. sp. von Graff, 1894 : 424-425 ; Si Rambé, Sumatra / Indonesia.
- Bipalium gestroi* : von Graff, 1898 : 122.
- Bipalium gestroi* : von Graff, 1899 : 455-456 ; taf. XIII, fig. 27 (DB in color). Si Rambé, Sumatra / Indonesia.
- Bipalium gestroi* : Müller, 1907 : 438-439 ; taf. XX, fig. 6 (FCA).
- Bipalium giganteum* Whitehouse, 1914
- Bipalium giganteum* n. sp. Whitehouse, 1914 : 457-458 ; pl. XXIX, figs. 4-6 (DVB, DH). Assam / N. India.
- Bipalium giganteum* : Whitehouse, 1919 : 33. Assam / N. India.
- See (?) *Bipalium smithi* von Graff, 1899. Cf. Whitehouse, 1914 : 457-458.
- Bipalium girardi* von Graff, 1899
- Bipalium girardi* n. sp. von Graff, 1899 : 451 ; taf. XVIII, figs. 8-10 (DB, VH in color). Madagascar.
- Bipalium girardi* : Mell, 1902 : 217-218. Nossi-Bé / Madagascar.
- Bipalium girardi* : von Graff, 1917 : taf. XXXIV, fig. 12 (DH in color).
- Bipalium glaucum* (Kaburaki, 1922)
- Placocephalus glaucus* n. sp. Kaburaki, 1922a : 2, 38-41, figs. 20-21 (DH, FCA), 48, 54, pl. 1, fig. 17 (DB in color). Yoshino, Wakayama Pref., Honshû / Japan.
- Bipalium glaucus* : Tu, 1940 : 221-248.
- Bipalium glaucus* : Okugawa, 1953 : 42.
- Bipalium glaucus* : Kawakatsu, 1983 : 55.
- Bipalium glaucum* : Kawakatsu, 1987 : 1. emend.
- Bipalium gracile* Loman, 1890
- Bipalium gracile* n. sp. Loman, 1890 : 142 ; taf. XII, fig. 9 (DB). Tjibodas, Java / Indonesia.
- Placocephalus gracilis* : von Graff, 1898 : 124.
- Placocephalus gracilis* : von Graff, 1899 : 468-469 ; taf. XII, figs. 20-28 (DB, CP in color, etc.) ; taf. XXXVIII, figs. 5-7 (FGO, etc.). Buitenzorg and Salak, Java / Indonesia ; Singapore.
- Placocephalus gracilis* : Laidlaw, 1903 : 116. Singapore.
- Placocephalus gracilis* : von Graff, 1913 : 2717, fig. 11 b (DB)
- Placocephalus gracilis* : von Graff, 1917 : taf. XXXIV, fig. 14 (DH in color).
- Bipalium gracilis* : Tu, 1940 : 221.
- Bipalium graffi* Müller, 1903
- Bipalium graffi* n. sp. Müller, 1903 : 78-79 ; taf. IV, fig. 2 (DB, CP), V, figs. 3-4 (FCA, HI), VI, fig. 1 (HI). Baram District, Sarawak, Borneo / E. Malaysia.
- Bipalium graffi* : von Graff, 1917 : taf. LII, fig. 1 (FCA).
- Bipalium graffi* : de Beauchamp, 1926 : 343-346, fig. 9 (FCA) ; pl. 13, fig. 7 DH). Mt. Matang, Sarawak, Borneo / E. Malaysia.
- Bipalium graffi* : de Beauchamp, 1940 : 116-117. Bukit Timah / Singapore.

- Bipalium graffi* : Tu, 1940 : 221.
- Bipalium grandidieri* Mell, 1902
- Bipalium grandidieri* n. sp. Mell, 1902 : 220-221 ; taf. XXX, figs. 9 and 10 (DVB). Ankotojotsy, Vallée du St. Aug. / Madagascar.
- Bipalium grayi* (Wright, 1860)
- Hirudo* ? : Cantor, 1840 : 436.
- Hirudo* ? : Cantor, 1842 : 277.
- Dunlopea Grayia* n. sp. Wright, 1860 : 55-56 ; text-fig. on p. 5 (DB). Naga-Hills, Assam / E. India.
- Bipalium Grayi* : Diesing, 1861 : 515. China ; India.
- Bipalium Grayia* : Moseley, 1875 : 106. Chusan / China.
- Bipalium Grayi* : Moseley, 1877 : 290. Chusan / China.
- Bipalium Grayi* : Loman, 1887 : 64. Kiu-San / China.
- Bipalium grayi* : von Graff, 1899 : 452. Naga-Hills, Assam / E. India.
- Species inquirenda.
- Bipalium gulliveri* von Graff, 1899
- Bipalium gulliveri* n. sp. von Graff, 1899 : 428-429 ; taf. VIII, figs. 30-32 (DB in color, etc.). Madagascar.
- Bipalium gulliveri* : Mell, 1902 : 218. Andrangoloaka / Madagascar.
- Bipalium gulliveri* : von Graff, 1913 : 2794, fig. 41 (VB).
- Bipalium haasei* von Graff, 1899
- Bipalium haasei* n. sp. von Graff, 1899 : 438-439 ; taf. XVIII, fig. 11 (DB in color). Bangkok (Siam) / Thailand.
- Bipalium haasei* : Tu, 1940 : 221.
- Bipalium haberlandti* von Graff, 1899
- Bipalium haberlandti* nom. nud. von Graff, 1898 : 122.
- Bipalium haberlandti* n. sp. von Graff, 1899 : 212, fig. 60 (FCA) ; 418-419 ; taf. X, figs. 18-22 (DVB in color) ; taf. XL, figs. 6-7 (FP, etc.) ; taf. XLI, figs. 1-3 (FGO, etc.) ; taf. LVIII, fig. 60 (FCA). Buitenzorg, Java / Iddonesia.
- Bipalium haberlandti* : von Graff, 1917 : taf. XXXIII, fig. 44 (CP in color) ; taf. LIV, figs. 9-11 (HI).
- Bipalium haberlandti* : de Beauchamp, 1933 : 110-111. Singapore.
- Bipalium haberlandti* : Tu, 1940 : 221-222.
- Bipalium hasseltii* Loman, 1890
- Bipalium hasseltii* n. sp. Loman, 1890 : 142 ; taf. XII, fig. 8 (DB). Tjibodas, Java / Indonesia.
- Placocephalus hasseltii* : von Graff, 1898 : 124.
- Placocephalus hasseltii* : von Graff, 1899 : 474 ; taf. XII, fig. 29 (VH in color). Tjibodas, Java / Indonesia.
- Cf. ICZN (1985 ; Art. 33 (d)).
- Bipalium hildebrandi* von Graff, 1899
- Bipalium hildebrandi* n. sp. von Graff, 1899 : 450-451 ; taf. IX, fig. 15 (DH in color). Madagascar.
- Bipalium hildebrandi* : Mell, 1902 : 218. Madagascar.
- Bipalium hilgendorfi* (von Graff, 1899)
- Perocephalus hilgendorfi* n. sp. von Graff, 1899 : 224, fig. 70 (FCA) ; 238, fig. 82 (FCA) ; 415 ;

- taf. X, figs. 31-33 (DB, DH in color, etc.); taf. XLIII, figs. 7-8 (FGO, etc.). Tôkyô (Yeddo) / Japan.
- Perocephalus hilgendorfi*: von Graff, 1913: 2787, fig. 32 (FGO).
- Bipalium hilgendorfi*: Kaburaki, 1922a: 22-26; figs. 10 and 11 (DH, FCA); pl. 1, fig. 6 (DB in color). Mt. Takao, near Tôkyô / Japan.
- Bipalium hilgendorfi*: Tu, 1940: 222.
- Bipalium hilgendorfi*: Okugawa, 1953: 42.
- Bipalium hilgendorfi*: Kawakatsu, 1983: 55.
- Bipalium houghtoni* Moseley, 1875**
- Bipalium* sp. 2. Houghton, 1870: 256, figs. 2-3 (DB, DH). Sarawak, Borneo / E. Malaysia.
- Bipalium Houghtoni* n. sp. Moseley, 1875: 108.
- Bipalium Houghtoni*: Moseley, 1877: 290.
- Bipalium Houghtoni*: Loman, 1887: 64.
- Bipalium houghtoni*: von Graff, 1899: 255.
- Bipalium houghtoni*: Tu, 1940: 222.
- Bipalium indicum* Whitehouse, 1919**
- Bipalium indica* n. sp. Whitehouse, 1919: 39-40, pl. XI, figs. 42-43 (DH, CP). Calcutta and Coimbatore / S. India.
- Bipalium indicum*: de Beauchamp, 1930: 675-676. emend.
- Bipalium interruptum* von Graff, 1899**
- Bipalium interruptum* nom. nud. von Graff, 1898: 121.
- Bipalium interruptum* n. sp. von Graff, 1899: 452-455; taf. IX, figs. 19-25 (DB, DH, CP in color, etc.). Buitenzorg, Java / Indonesia.
- Bipalium interruptum*: Müller, 1907: 422-424; taf. XIX, fig. 7 (FCA).
- Bipalium interruptum*: von Graff, 1914: 2917, figs. 119-120 (DVH, AE).
- Bipalium interruptum*: Bresslau, 1933: 85, fig. 70 (DVH).
- Bipalium isabellinum* (Geba, 1909) comb. nov.**
- Placocephalus isabellinus* n. sp. Geba, 1909: 385-386, taf. 20, figs. 11-13 (DVB, CP). Mauritius Island, British Commonwealth / Mauritius.
- Placocephalus isabellinus*: Kaburaki, 1920a: 134-135, fig. 2 (DH); pl. 4, figs. 1-2 (DVB). Mauritius Island / Mauritius.
- See *Bipalium kewense* Moseley, 1878. Cf. Winsor, 1983: 64, 88.
- Note: Possibly identical with *Bipalium kewense*.
- Bipalium jaloreense* Laidlaw, 1903**
- Bipalium jaloreense* n. sp. Laidlaw, 1903: 115. Bukit, Malay Peninsula / Malaysia.
- Bipalium jansei* von Graff, 1899**
- Bipalium jansei* nom. nud. von Graff, 1898: 124.
- Bipalium jansei* n. sp. von Graff, 1899: 443; taf. XII, figs. 30-31 (DH, CP in color). Buitenzorg, Java / Indonesia.
- Syn.? *Bipalium marginatum* var. *jansei* Müller, 1907.
- Bipalium javanum* Loman, 1883**
- Bipalium javanum* n. sp. Loman, 1883: 168. W. Java / Indonesia.
- Bipalium javanum*: Loman, 1887: 66; taf. I, figs. 3 A and B, 4 A and B (DB, VH, FCA, etc.); taf. II, figs. 7 and 8, 18-26, 28 (FCA, etc.). W. Java / Indonesia.
- Sphyrocephalus niger* Kuhl & van Hasselt (Ms.). Cited from Loman, 1887: 85; see also von

Graff, 1899 : 465.

Bipalium javanum : Loman, 1895 : 30. Java / Indonesia.

Placocephalus javanus : von Graff, 1898 : 124. Buitenzorg, Gunung Pantjar, Salak, Tibodas, and Pangerangoh, Java / Indonesia ; Singapore.

Placocephalus javanus : von Graff, 1899 : 465-467 ; taf. XII, figs. 5-12 (DB, VB, DH, CP in color) ; taf. XXXVII, figs. 7-8 (parasite, etc.). Java, Sumatra / Indonesia ; Singapore.

Placocephalus javanus : Laidlaw, 1903 : 116. Singapore.

Placocephalus javanus : Ritter-Záhony, 1905 : 182-186 ; taf. II, fig. 11 (FCA).

Placocephalus javanus : von Graff, 1913 : 2717, fig. 11h (DB).

Placocephalus javanus : Kaburaki, 1920b : 39-40. Thailand (Siam).

Placocephalus javanus : Kaburaki, 1922b : 159. W. Java / Indonesia.

Bipalium javanum : de Beauchamp, 1929 : 4-5. Buitenzorg and Bawean, Java / Indonesia.

Bipalium javanum : de Beauchamp, 1930b : 678. Péradeniya (=Peradeniya), Ceylon / Sri Lanka.

Bipalium javanum : de Beauchamp, 1938 : 54. Kampuchea / Cambodia (La Cambodge).

Bipalium javanum : de Beauchamp, 1939 : 303. Cambodia.

Bipalium javanum : de Beauchamp, 1940 : 114. Pulau Pisang, Malacca Str. / Malaysia.

Bipalium javanus : Tu, 1940 : 222.

***Bipalium kelleri* von Graff, 1899**

Bipalium kelleri n. sp. von Graff, 1899 : 449 ; taf. IX, figs. 13-14 (DB, CP in color). Madagascar.

Bipalium kelleri : Mell, 1902 : 213-216 ; taf. XXX, figs. 1 and 2 (DB, CP), taf. XXXII, fig. 6 (FCA). Madagascar.

***Bipalium kervense* Anon., 1905**

See *Bipalium kewense* Moseley, 1878.

***Bipalium keshavi* Saxena, 1957**

Bipalium keshavi n. sp. Saxena, 1957 : 302. Nepal.

Bipalium keshavi : Ogren, 1987 : 28.

Note : Abstract only.

***Bipalium kewense* Moseley, 1878**

Bipalium kewense n. sp. Moseley, 1878 : 238-239. Royal Botanical Gardens, Kew, England / U. K.

Bipalium kewense : Loman, 1887 : 64.

Bipalium kewense var. *viridis* n. var. Lehnert, 1891 : 310, 330-342. Berlin / Germany.

Bipalium manubriatum n. sp. Sharp, 1891 : 120-122. Lansdowne, Pennsylvania / U. S. A. Cf. Ogren, 1984 : 194.

Sphyrocephalus kewensis : Hallez, 1893 : 110.

Placocephalus kewensis : von Graff, 1896 : 69.

Bipalium kewense : Woodworth, 1896 : 1046-1047. Cambridge, Massachusetts / U. S. A.

Placocephalus (Bipalium) kewense : Woodworth, 1898 : 302. Sandwich Islands, Hawaii / U. S. A. Trinomen is an error.

Placocephalus kewensis : von Graff, 1899 : 462-465, 126, fig. 11 (HI), 132, fig. 12 (HI), 221, fig. 67 (FCA) ; taf. XIII, figs. 3-8 (DB, DH, CP in color), XXXV, figs. 1-6 (FPB), XXXVI, figs. 1-9 (FPB), XXXVII, figs. 1-6 (FGO, etc.), LVIII, fig. 67 (FCA). Europe ; the Mediterranean area ; S. Afrika ; SE Asia (China, Sumatra, Java) ; Australia ; Samoa ; Brazil.

- Bipalium kewence* : Morgan, 1900 : 563. Spelling error.
- Bipalium kewense* : Kew, 1900 : 309, fig. 2 (DH).
- Platocephalus kewensis* : Walton, 1904 : 254. Spelling error.
- Bipalium kervense* : Anon., 1905 : 320. Spelling error.
- Placocephalus kewensis* : Walton, 1907 : 732.
- Placocephalus isabellinus* n. sp. Geba, 1909 : 385-386, taf. 20, figs. 11-13 (DVH, CP). Mauritius Is. Cf. Winsor, 1983.
- Placocephalus kewense* : Walton, 1912 : 940.
- Placocephalus kewensis* : von Graff, 1913 : 2825, fig. 65 (HI).
- Placocephalus kewensis* : von Graff, 1914 : 2893, fig. 99b (HI), 2894, fig. 100 (HI), 2909, fig. 110 (HI).
- Bipalium kewense* : von Graff, 1917 : 3285, fig. 195 A, B (DB, CP), 3322, figs. 229-330 (figures showing regeneration of animals cited from Morgan, 1900), 3336, fig. 242a (DB; cited from Kew, 1900).
- Placocephalus kewensis* : von Graff, 1917 : taf. XXXIV, figs. 15-17 (DH, VB in color, etc.); taf. XXXV, fig. 9 (HI); taf. XXXVII, fig. 7 (HI); taf. XLIII, figs. 13-15 (HI); taf. XLIV, figs. 12-13 (HI); taf. XLVI, figs. 6-9 (HI); taf. LII, fig. 4 (HI).
- Placocephalus isabellinus* : Kaburaki, 1920a : 134-135, fig. 2 (DH); pl. 4, figs. 1-2 (DVB).
- Placocephalus kewensis* : Kaburaki, 1922a : 42.
- Bipalium kewense* : Bresslau, 1933 : 57, fig. 26-4 (DB), 73, fig. 51 (HI), 180, fig. 76-1 (DB), 208, fig. 208 (DB, CP).
- Bipalium kewense* : de Beauchamp, 1938 : 53. Tonkin / Vietnam ; Cambodge.
- Bipalium kewense* : Hyman, 1939a : 122-124, figs. 9-11 (DH, CP, etc.). Mt. Tantalus, Oahu Island, Hawaii / U. S. A.
- Bipalium costaricensis* n. sp. Hynan, 1939b : 430-432, fig. 50 A (DH). San José / Costa Rica. Cf. Winsor, 1983.
- Bipalium kewense* : de Beauchamp, 1939 : 303-306, fig. 1 (FCA), pl. VII, fig. 1 (DH). Tonkin and Annam / Vietnam ; Cambodge.
- Bipalium kewense* var.? : de Beauchamp, 1939 : 306-307. Cambodge.
- Bipalium kewense* ? : de Beauchamp, 1940 : 114. Gunong Pulai, Johore, Malay Peninsula / Malaysia.
- Bipalium kewensis* : Tu, 1940 : 222. Spelling error.
- Bipalium kewense* : Hyman, 1943 : 17-18. Several states of the United States.
- Bipalium kewense* : Hyman, 1951 : 67, fig. 14 D (DB), 161-162.
- Bipalium kewense* : de Beauchamp, 1952 : 50. Kairua, Hawaii / U. S. A. ; Fiji.
- Bipalium kewense* : du B.-R. Marcus, 1953 : 69. Argentina and Peru.
- Bipalium kewense* : Hyman, 1954 : 15.
- Bipalium (Placocephalus) kewense* : Luther, 1956 : 2-7, figs. 1-5 (DVB, DH, AE, FCA). Cap Verde-Inseln / Cabo Verde, W. Africa. Trinomen is an error.
- Bipalium kewense* : Pfitzner, 1958 : 238-239, 246, 251-252, 267-269, 282-285, 292, 301, 307-308, figs. 3, 5a, 17-21, 29-30, 31-4 (DB, etc.). Berlin / Germany.
- Bipalium kewense* : Klots, 1960 : 33.
- Bipalium kewense* : Luther, 1961 : 31, 41, taf. 3, figs. 15-16 (DB and DH). Finland.
- Bipalium kewense* : de Beauchamp, 1961 : 121-123, fig. 62 A (FCA).
- Bipalium kewense* : Froehlich, 1967 : 156.

Bipalium kewense: Kawakatsu & Aoki, 1968: 45-47. Tôkyô / Japan. Missidentification of *Bipalium nobile*.

Bipalium kewense: Kawakatsu & Aoki, 1969: 374-377. Tôkyô / Japan. Missidentification of *Bipalium nobile*.

Bipalium kewense: Walton & Yokogawa, 1972: 445.

Bipalium kewense: Chandler, 1974: 128-129. Tennessee / U. S. A.

Bipalium kewense: Chandler, 1975: 46. Tennessee / U. S. A.

Bipalium kewense: Chandler, 1976: 73-75. Tennessee / U. S. A.

Bipalium cf. kewense: Ball, 1977: 506-507. St. Hélène / G. B.

Bipalium kewense: Daly & Darlington, 1981: 82-83. Arkansas / U. S. A.

Bipalium kewense: Winsor, 1981: 17.

Bipalium kewense: Ball & Reynoldson, 1981: 102-103, fig. 29 (DB).

Bipalium kewense: Winsor, 1983: 62-94, figs. 1-13 (DVB, FCA, PCA, etc.). Taxonomy and worldwide distribution; designation of the neotype.

Bipalium kewense: Ogren, 1984: 193-197, figs. 1 and 4 (DB, HI, etc.). Pennsylvania / U. S. A.

Bipalium kewense: Kawakatsu, 1985: 85-93, figs. 1-6 (DVB, HI, FCA, PCA, FGO, etc.). Pennsylvania, Florida, Texas / U. S. A.; St. Hélène Island; Palmira / Colombia.

Bipalium kewense: Cannon, 1986: 68, figs. (DB and FCA).

Bipalium kewense: Anderson, 1986: 141-142. Ireland / U. K.

Bipalium kewense: Ogren, 1987: 21, 29.

Note: For possible synonymy see Winsor, 1983: 64-65, 88-91.

***Bipalium kirckpatricki* von Graff, 1899**

Bipalium kirckpatricki n. sp. von Graff, 1899: 434. Geylon / Sri Lanka; S. India.

***Bipalium kisoense* Kaburaki, 1922**

Bipalium kisoensis n. sp. Kaburaki, 1922a: 2, 16-19, figs. 7-8 (DH, FCA). Kiso, Nagano Pref., Honshû / Japan.

Bipalium kisoensis: Tu, 1940: 222, 248.

Bipalium kisoensis: Okugawa, 1953: 42.

Bipalium kisoensis: Kawakatsu, 1983: 55.

Bipalium kisoense: Kawakatsu, 1987: 2. emend.

***Bipalium koreense* Frieb, 1923**

Bipalium koreense n. sp. Frieb, 1923: 490-501; taf. 15, figs. 1-4 (DVB, FCA, HI). Quelpart Island (?), or southern peninsula somewhere? / Korea.

Bipalium koreense: Tu, 1940: 222.

Bipalium koreense: Okugawa, 1953: 42.

Note: Frieb (1923) described 2 new species of land planarians from Korea based upon the material received from the British Museum (collected in 1905). They are: *Bipalium koreense* (coll. M. P. Anderson) and *Rhynchodemus unilineatus* (coll. S. Ichikawa). He did not mention their localities. According to the late Dr. Ichikawa, Anderson (1879-1919) and Ichikawa (1886-1970) stayed in Busan, Mogpo and Quelpart (Cheju) Island, South Korea, from July 30 to September 27, 1905 (cf. Ichikawa, 1906; also reproduced in his 1956 travel diary and Esaki's (1935) study on the "Duke of Bedford's Zoological Expedition"). Anderson also visited the southern area of South Korea (Jeonra Nam Do, Busan in Gyeongsan Nam Do, Daegu in Gyeongsan Bug Do, and Mungyeong in Chungcheong Bug Do) from September 28 to December 27, 1905. The type locality of *B. koreense* cannot be clarified. It is highly probable that the type locality of *R. unilineatus* is Quelpart Island.

Bipalium kraepelini (Ritter-Záhony, 1905) comb. nov.

Placocephalus kraepelini n. sp. Ritter-Záhony, 1905: 172-177, 192, fig. 4 (FCA); taf. I, fig. 2a-c (DVH), II, fig. 8 (FCA). Tjompea, Java / Indonesia.

Placocephalus kraepelini: von Graff, 1917: taf. LII, fig. 5 (FCA).

See *Bipalium robiginosum* von Graff, 1899. Cf. de Beauchamp, 1929: 6; 1930: 73.

Bipalium kuhlī Loman, 1890

Bipalium kuhlī n. sp. Loman 1890: 142; taf. XII, fig. 7 (DB). Panjenggahan, Sumatra / Indonesia.

Bipalium kuhli: von Graff, 1898: 122.

Bipalium kuhli: von Graff, 1899: 459-460; taf. IX, fig. 38 (DB in color). Panjenggahan, Sumatra / Indonesia.

Cf. ICZN (1985; Art. 33 (d)).

Bipalium layardi von Graff, 1899

Bipalium layardi nom. nud. von Graff, 1897: 112, 114.

Bipalium layardi nom. nud. von Graff, 1898: 124.

Bipalium layardi n. sp. von Graff, 1899: 445-446; taf. XIX, figs. 27-29 (DB in color). Mongondow, etc., N. Celebes / Indonesia.

Bipalium lehnerti von Graff, 1899

Bipalium lehnerti nom. nud. von Graf, 1898: 123.

Bipalium lehnerti n. sp. von Graff, 1899: 437; taf. X, figs. 23-26 (DB, CP in color). Buitenzorg, Java / Indonesia.

Bipalium lomani von Graff, 1899

Bipalium lomani nom. nud. von Graff, 1898: 124.

Bipalium lomani n. sp. von Graff, 1899: 441; taf. XI, figs. 17-18 (DH in color, CP). Buitenzorg (?), W. Java / Indonesia.

Bipalium longicanale Sabussowa, 1925

Bipalium longicanale n. sp. Sabussowa, 1925: 284-289, fig. 1 (FCA). Province of Kan-su (= Kansu Hsing) / C. China.

Bipalium longicanale: Tu, 1940: 222.

Bipalium longicanale: Kawakatsu & Lue, 1984: 105.

Bipalium lunatum (Gray, 1835)

Planaria? lunata n. sp. Gray, 1835: 5. Bengal / India.

Annelid.? : Cantor, 1842: 277.

Bipalii spec. : Stimpson, 1861: 135.

Bipalium lunatum: Diesing, 1861: 517. Bengal / India.

Bipalium lunata: Moseley, 1875: Bengal / India.

Bipalium lunatum: Moseley, 1877: 290. Bengal / India.

Bipalium lunatum: Loman, 1887: 64. Bengal / India.

?*Bipalium lunatum*: von Graff, 1899: 255. Bengal / India.

Bipalium lunatum: Kew, 1900: 308, fig. 1 (DB).

Bipalium lunata: Tu, 1940: 222.

Species inquirenda.

Bipalium maculatum Stimpson, 1858

Bipalium maculatum n. sp. Stimpson, 1858: 31. Amami-Ōshima Island (Ousima), the Amami Islands, Southwest Islands of Japan / Japan.

Bipalium maculatum : Diesing, 1861 : 514.
Bipalium maculatum : Moseley, 1875 : 108.
Bipalium maculatum : Moseley, 1877 : 290.
Bipalium maculatum : Loman, 1887 : 64.
Bipalium maculatum : von Graff, 1899 : 446. Ousima / Japan.
Bipalium maculatum : Kaburaki, 1922a : 31.
Bipalium maculata : Tu, 1940 : 222.
Bipalium maculata : Okugawa, 1953 : 42.
Bipalium maculatum : Kawakatsu, 1983 : 55.
 Species inquirenda.

Note: The type locality of *Bipalium maculatum* is described as "Hab. ad insulam "Ousima", sub foliis et lignis putridis in humidis". It is Amami-Ōshima Island, the Amami Islands, in the Southwest Islands of Japan (cf. Heine, 1858-1859).

***Bipalium madagascarense* von Graff, 1899**

Bipalium madagascarense n. sp. von Graff, 1899 : 433-434 ; taf. VIII, figs. 24-26 (DB, DVH in color). Madagascar.

Bipalium madagascarense : Mell, 1902 : 218. Madagascar.

***Bipalium manubriatum* Sharp, 1891**

Bipalium manubriatum n. sp. Sharp, 1891 : 120-122. Lansdowne, Pennsylvania / U. S. A. Cf. Ogren, 1984 : 194.

See *Bipalium kewense* Moseley, 1878. Syn. of *Bipalium kewense*.

***Bipalium marenzelleri* Mell, 1902**

Bipalium marenzelleri n. sp. Mell, 1902 : 221 ; taf. XXX, figs. 11 and 12 (DVB, VH). Ankoto-jotsy, Vallée du St. Aug. / Madagascar.

***Bipalium marginatum* Loman, 1887**

Sphyrocephalus marginatus Kuhl & van Hasselt (Ms.). Cited from Loman, 1887 : 84 ; taf. I, fig. 6 (DB). W. Java / Indonesia.

Bipalium marginatum n. sp. Loman, 1887 : 64-65 ; taf. I, fig. 6 (DB). W. Java / Indonesia.

Bipalium marginatum : von Graff, 1897 : 112, 114.

Bipalium marginatum : von Graff, 1898 : 124. Buitenzorg, Tjibodas, Kapangdungan, Java / Indonesia ; Bone-Thal, N. Celebes / Indonesia.

Bipalium marginatum : von Graff, 1899 : 419-421, 213, fig. 61 (FCA) ; taf. XII, figs. 1-4 (DB, DH in color) ; taf. XIX, figs. 21-22 (DVH in color) ; taf. XLIII, figs. 2-4 (FGO, etc.). Java and N. Celebes / Indonesia.

Bipalium marginatum : Loman, 1895 : 30.

Bipalium marginatum : von Graff, 1917 : taf. LIV, fig. 12 (HI).

Bipalium marginatum : de Beauchamp, 1929 : 2-4, fig. 1 (DB) ; pl. XI, fig. 1 (DH). Buitenzorg, Silemoekoe, Tjibodas, Java / Indonesia.

Bipalium marginatum : de Beauchamp, 1930a : 72-73. Bali ; Java / Indonesia.

***Bipalium marginatum jansei* Müller, 1907**

Bipalium marginatum var. *jansei* n. var. Müller, 1907 : 428-430. Buitenzorg, Java / Indonesia.

See *Bipalium marginatum* Loman, 1887. Cf. de Beauchamp, 1929 : 2 ; 1930 : 72.

See *Bipalium jansei* von Graff, 1899. Cf. Müller, 1907 : 428.

***Bipalium marginatum* var. *jansei* Müller, 1907**

See *Bipalium marginatum jansei* Müller, 1907

***Bipalium megacephalum* Müller, 1903**

Bipalium megacephalum n. sp. Müller, 1903 : 84-85 ; taf. IV, fig. 5 (DB). Kwala Aring, Kelantan, Malay Peninsula / Malaysia.

Bipalium megacephalum : Tu, 1940 : 222.

***Bipalium mjobergi* de Beauchamp, 1925**

Bipalium Mjöbergi n. sp. de Beauchamp, 1925 : 65, fig. 2 A-C (FCA, DB, VH), 68-69. Mt. Poi, Sarawak, Borneo / E. Malaysia.

Bipalium mjöbergi : de Beauchamp, 1926 : 346-349, figs. 10 and 11 (DB, DH, AE, FCA).

Bipalium mjöbergi : Tu, 1940 : 222.

Bipalium mjöbergi : de Beauchamp, 1961 : 115, fig. 58 C and D (DVH, DB).

***Bipalium modiglianii* von Graff, 1894**

Bipalium modiglianii n. sp. von Graff, 1894 : 424. Si Rambé, Sumatra / Indonesia.

Bipalium modiglianii : von Graff, 1898 : 123.

Bipalium modiglianii : von Graff, 1899 : 437 ; taf. XIII, fig. 28 (DB in color). Si Rambé, Sumatra / Indonesia.

***Bipalium molle* (von Graff, 1899) comb. nov.**

Placocephalus mollis nom. nud. von Graff, 1898 : 123.

Placocephalus mollis n. sp. von Graff, 1899 : 470 ; taf. XI, figs. 5-11 (DVB, CP in color, etc.). Buitenzorg and Salak, Java / Indonesia.

Placocephalus mollis : von Graff, 1913 : 2717, fig. 11d (DB).

Placocephalus mollis : von Graff, 1914 : 2918, figs. 122-123 (DVH, AE).

Placocephalus mollis : von Graff, 1917 : taf. XXXIV, figs. 9-11 (DH, DB in color, etc.) ; taf. XLII, fig. 10 (HI).

***Bipalium monolineatum* Kaburaki, 1922**

Bipalium monolineatum n. sp. Kaburaki, 1922a : 2, 27-30, figs. 13 and 14 (DB, AE, FCA), 48, 54, pl. 1, fig. 14 (DB in color). Chi'on'in Temple, Kyôto, and Mt. Hiei-zan, near Kyôto, Honshû / Japan.

Bipalium mondineatum : Tu, 1940 : 222. Spelling error.

Bipalium monolineatum : Okugawa, 1953 : 42.

Bipalium monolineatum : Kawakatsu, 1983 : 55.

***Bipalium moseleyi* Loman, 1887**

Bipalium Moseleyi n. sp. Loman, 1887 : 65 ; taf. I, fig. 1 (DB). Borneo / E. Malaysia.

Bipalium moseleyi : von Graff, 1898 : 124.

Bipalium moseleyi : von Graff, 1899 : 442.

Bipalium moseleyi : de Beauchamp, 1925 : 64, fig. 1 (FCA). Mt. Murud, Sarawak, Borneo / Malaysia.

Bipalium moseleyi : de Beauchamp, 1926 : 326-331, fig. 1 (FCA) ; pl. 13, figs. 1-3 (DH, FCA). Mt. Murud, Sarawak, Borneo / Malaysia.

Bipalium moseleyi : Bresslau, 1933 : 135, fig. 124 (FGA).

Bipalium moseleyi : Tu, 1940 : 223.

Bipalium moseleyi : de Beauchamp, 1961 : 122, fig. 63 a (FCA).

***Bipalium multilineatum* Makino et Shirasawa, 1983**

Bipalium sp. : Kawakatsu, 1983 : 57, fig. 8 (DVB, DVH).

Bipalium multilineatum n. sp. Makino & Shirasawa, 1983 : 69-83, figs. 1-5 (DVH, DVB in color). Hino, Tôkyô / Japan.

- Bipalium multilineatum* : Makino & Shirasawa, 1986 : 229-232, figs. 2, 5-6 (DH, etc.).
- Bipalium multilineatum* : Ogren, 1987 : 29.
- Bipalium murinum* (von Graff, 1899) comb. nov.
- Placocephalus murinus* n. sp. von Graff, 1899 : 471 ; taf. VIII, figs. 1-4 (DVH, CP in color).
Madagascar.
- Placocephalus murinus* : Mell, 1902 : 221. Madagascar.
- Bipalium myadenosum* de Beauchamp, 1939
- Bipalium myadenosum* n. sp. de Beauchamp, 1939 : 312 ; 309, fig. 3 B (DVH) ; 311, fig. 5 (FCA).
Dalat, S. Annam / Vietnam.
- Bipalium natunense* Meixner, 1906
- Bipalium natunense* n. sp. Meixner, 1906 : 668-671, figs. 4-6 (DH, VB, etc.). Mt. Ranai, Bung-
uran, Natuna Besar / Indonesia.
- Bipalium negritorum* von Graff, 1899
- Bipalium negritorum* nom. nud. von Graff, 1898 : 121.
- Bipalium negritorum* n. sp. von Graff, 1899 : 433 ; taf. VIII, figs. 27-28 (CP in color). Philip-
pines.
- Bipalium negritorum* : Tu, 1940 : 223.
- Bipalium negritorum palnisium* de Beauchamp, 1930 emend.
- Bipalium negritorum* var. *palnisia* n. var. de Beauchamp, 1930b : 683-685, figs. 4-5 (DB, FCA).
Palnis (= Palni) / India.
- Bipalium negritorum* var. *palnisia* de Beauchamp, 1930.
- See *Bipalium negritorum palnisium* de Beauchamp, 1930
- Bipalium nigrilumbe* Loman, 1890
- Bipalium nigrilumbe* n. sp. Loman, 1890 : 140-141 ; Taf. XII, fig. 4 (DB). Sumatra / Indonesia.
- Bipalium nigrilumbe* : von Graff, 1898 : 121.
- Bipalium nigrilumbe* : von Graff, 1899 : 453-454 ; taf. IX, fig. 26 (CP). Manindjaw, Sumatra /
Indonesia.
- Bipalium nigrum* (Ritter-Záhony, 1905) comb. nov.
- Placocephalus niger* n. sp. Ritter-Záhony, 1905 : 165-170, figs. 1 and 2 (FCA, etc.) ; taf. I, figs.
1, 5 (DVH), taf. II, fig. 7 (FCA). Tjompea, Java / Indonesia.
- Bipalium nobile* Kawakatsu et Makino, 1982
- Bipalium kewense* : Kawakatsu & Aoki, 1968 (nec Moseley, 1878) : 1-3 (DB, DH, CP).
- Bipalium kewense* : Kawakatsu & Aoki, 1969 (nec Moseley, 1878) : 374-377, figs. 1-5 (DB, DH,
CP, AE).
- Bipalium* sp. : Makino & Shirasawa, 1981 : 69-89, figs. 1-9, pls. 1-9, figs. 10-29 (DVB in color,
PCA, etc.).
- Bipalium* sp. : Makino & Shirasawa, 1982 : 105-121, figs. 1-4, pls. 1-5, figs. 5-26 (DB in color,
etc.).
- Bipalium nobile* n. sp. Kawakatsu, Makino & Shirasawa, 1982 : 236-262, figs. 1-9 (DVB, DVH,
CP, FCA, PCA, FGO, AE, HI). Tôkyô / Japan.
- Bipalium nobile* : Kawakatsu, 1983 : 54-56, fig. 5 (DVH).
- Bipalium nobile* : Makino & Shirasawa, 1986 : 229-232, figs. 1, 3-6 (DB, etc.).
- Bipalium nobile* : Ogren, 1987 : 28-29.
- Bipalium ocellatum* von Graff, 1899
- Bipalium ocellatum* nom. nud. von Graff, 1898 : 122.

- Bipalium ocellatum* n. sp. von Graff, 1899: 434-435; taf. X, figs. 1-4 (DVH in color, CP).
Buitenzorg, Java / Indonesia.
- Bipalium ochroleucum* Kaburaki, 1922
Bipalium ochroleucum n. sp. Kaburaki, 1922a: 2, 13-16, figs. 5 and 6 (DH, AE, FCA), 48, 54, pl. 1, fig. 13 (DB in color). Nara, near Kyôto, Honshû / Japan.
Bipalium ochroleucum: Tu, 1940: 223.
Bipalium ochroleucum: Okugawa, 1953: 42.
Bipalium ochroleucum: Kawakatsu, 1983: 55.
- Bipalium olivaceps* Geba, 1909
Bipalium olivaceps n. sp. Geba, 1909: 382-383; taf. 20, figs. 9 and 10 (DVH). Alaotra-Féné-
rive / S. Madagascar.
- Bipalium penangense* Kawakatsu, 1986
Bipalium penangensis n. sp. Kawakatsu, 1986: 1-2, 7-11, figs. 4-6 (DVB, FCA, PCA, HI, etc.),
15. Penang Hills, Penang, Malaya / Malaysia.
Bipalium penangense: Kawakatsu, 1987: 2. emend.
- Bipalium pennsylvanicum* Ogren, 1987
Bipalium n. sp. Ogren, 1984: 194, fig. 3 (DH), 198.
Bipalium pennsylvanicum nom. nud. Kawakatsu, 1986: 6.
Bipalium pennsylvanicum n. sp. Ogren, 1987: 21-29, figs. 1-8 (DVH, CP, AE, HI, FCA).
Collegville and St. Davids, Pennsylvania / U. S. A.
- Bipalium penrissenense* de Beauchamp, 1925
Bipalium penrissenense n. sp. de Beauchamp, 1925: 68-69, fig. 4 J and K (FCA, DB). Mts.
Penrissen and Poi, Sarawak, Borneo / E. Malaysia.
Bipalium penrissenense: de Beauchamp, 1926: 349-352, figs. 12 and 13 (A-F) (DB, FCA).
Bipalium penrissenense: Tu, 1940: 223.
Bipalium penrissenense: de Beauchamp, 1961: 115, fig. 58 G (DB).
- Bipalium penzigi* Müller, 1903
Bipalium penzigi n. sp. Müller, 1903: 85-86, 109, fig. 3 (HI); taf. IV, fig. 6 (DVB), VI, figs. 2-3
(FCA and HI). Buitenzorg, Java / Indonesia.
- Bipalium penzigi alternans* de Beauchamp, 1930
Bipalium penzigi var. *alternans* n. var. de Beauchamp, 1930a: 74-77, figs. 1 and 2 (DB, FCA).
Sumatra / Indonesia.
- Bipalium penzigi* var. *alternans* de Beauchamp, 1930
See *Bipalium penzigi alternans* de Beauchamp, 1930.
- Bipalium persephone* de Beauchamp, 1939
Bipalium persephone n. sp. de Beauchamp, 1939: 313-315, fig. 6 (FCA); 309, fig. 3 C (DVH);
pl. VII, fig. 5 (DB). Ban Me Thout and Caûda, S. Annam / Vietnam.
- Bipalium phebe* Humbert, 1862
Bipalium Phebe n. sp. Humbert, 1862: 304-305, pl. figs. 3, 5-10 (DB, DVB, FCA, etc.). Pe-
radenia, Ceylon / Sri Lanka.
Bipalium Phebe: Claparède, 1862: 307-310, pl. figs. 5-10 (see Humbert, 1862).
Bipalium Phoebe: Moseley, 1875: 108. Spelling error.
Bipalium Phoebe: Moseley, 1877: 290. Spelling error.
Bipalium Phoebe: Loman, 1887: 64. Spelling error.
Bipalium phebe: von Graff, 1899: 425-426. Ceylon / Sri Lanka.

Bipalium phebe transversefasciatum Müller, 1903

Bipalium phebe (?) var. *transversefasciatum* n. var. Müller, 1903 : 81-84 ; taf. IV, fig. 4 and 4a (DB). Perak, Gunong Inas, Malay Peninsula / Malaysia. See *Bipalium transversefasciatum* Müller, 1903.

Bipalium phoebe (?) var. *transversifasciatum* : Laidlaw, 1903 : 116. Spelling error. Kuala Aring, Pelantan, Malay Peninsula. See *Bipalium transversefasciatum*.

Bipalium phebe (?) var. *transversefasciatum* : Tu, 1940 : 223.

Bipalium phebe transversefasciatum : Kawakatsu, 1986 : 1, 6-7, 15. See *Bipalium transversefasciatum* Müller, 1903.

Note : Possibly a valid species, *Bipalium transversefasciatum* Müller, 1903. Cf. Kawakatsu, 1986 : 7, 15.

Bipalium phebe (?) var. *transversefasciatum* Müller, 1903

See *Bipalium transversefasciatum* Müller, 1903 ; *Bipalium phebe transversefasciatum* Müller, 1903.

Bipalium piceum von Graff, 1899

Bipalium piceum nom. nud. von Graff, 1897 : 112-114.

Bipalium piceum nom. nud. von Graff, 1898 : 120.

Bipalium piceum n. sp. von Graff, 1899 : 430. Takalekadjo, C. Celebes / Indonesia.

Bipalium pictum (Ritter-Záhony, 1905) comb. nov.

Placocephalus pictus n. sp. Ritter-Záhony, 1905 : 170-172, taf. I, figs. 4a-d (DVB, AE). Tjibodas, Java / Indonesia.

Bipalium pictum Geba, 1909

See *Bipalium gebai* Ogren et Kawakatsu, 1987, nom. nov.

Bipalium poiense de Beauchamp, 1925

Bipalium poiense n. sp. de Beauchamp, 1925 : 66-68, fig. 4 L and M (FCA, DB). Mt. Poi, Sarawak, Borneo / E. Malaysia.

Bipalium poiense : de Beauchamp, 1926 : 337-340, figs. 5 and 6 (DB, FCA).

Bipalium poiense : Tu, 1940 : 223.

Bipalium poiense : de Beauchamp, 1961 : 115, fig. 58 F (DB).

Bipalium proserpina Humbert, 1862.

Bipalium Proserpina n. sp. Humbert, 1862 : 304, pl. fig. 2 (DB). Peredenia, Ceylon / Sri Lanka.

Bipalium Proserpina : Moseley, 1875 : 108 ; pl. XV, figs. 5, 12 (HI).

Bipalium Proserpina : Moseley, 1877 : 290.

Bipalium Proserpina : Loman, 1887 : 64.

Bipalium proserpina : von Graff, 1899 : 421-422, 218, fig. 64 (FCA) ; taf. XIII, figs. 18-26 (DVB, DH in color), LVIII, fig. 64 (FCA). Ceylon / Sri Lanka.

Bipalium proserpina : Kew, 1900 : 308.

Bipalium proserpina : von Graff, 1913 : 2717, fig. 11f (DB).

Bipalium proserpina : Whitehouse, 1914 : 462.

Bipalium proserpina : Ramakrishna & Chauhan, 1962 : 54. Hooker Estate, Naduvattam, Nilgiris Hills / S. India.

Bipalium pseudophallicum de Beauchamp, 1925

Bipalium pseudophallicum n. sp. de Beauchamp, 1925 : 67-68, fig. 3 H and I (DB, FCA). Mt. Poi, Sarawak, Borneo / E. Malaysia.

Bipalium pseudophallicum : de Beauchamp, 1926 : 340-343, figs. 7 and 8 (DB, FCA).

Bipalium pseudophallicum : Tu, 1940 : 223.

Bipalium pseudophallicum : de Beauchamp, 1961 : 121, fig. 62 B (FCA).

Bipalium quadricinctum Loman, 1890

Bipalium quadricinctum n. sp. Loman, 1890 : 140 ; taf. XII, fig. 3 (DB). Singkarah, Sumatra / Indonesia.

Bipalium quadricinctum : von Graff, 1898 : 122.

Bipalium quadricinctum : von Graff, 1899 : 458-459 ; taf. IX, fig. 39 (DB in color). Singkarah, Sumatra / Indonesia.

Bipalium quadricinctum : von Graff, 1917 : taf. XXXIV, fig. 4 (DV in color).

Bipalium rauchi von Graff, 1899

Bipalium rauchi nom. nud. von Graff, 1898 : 122.

Bipalium rauchi n. sp. von Graff, 1899 : 457-458 ; taf. IX, fig. 36 (DB in color). Singapore.

Bipalium rauchi : Laidlaw, 1903 : 116. Singapore.

Bipalium rauchi : von Graff, 1917 : taf. XXXIV, fig. 3 (DB in color).

Bipalium rauchi : Bresslau, 1933 : 57, fig. 26-3 (DB).

Bipalium rauchi : Tu, 1940 : 223.

Bipalium ravenalae (von Graff, 1899) comb. nov.

Perocephalus ravenalae var. *bimaculata* n. var. von Graff, 1899 : 417 ; taf. XVIII, fig. 18 (DH in color). Madagascar.

Perocephalus ravenalae : von Graff, 1913 : 2717, fig. 11a (DB).

Bipalium ravenalae bimaculatum (von Graff, 1899) comb. nov.

Perocephalus ravenalae var. *bimaculata* n. var. von Graff, 1899 : 417 ; taf. XVIII, fig. 18 (DH in color). Madagascar.

Bipalium ravenalae var. *bimaculata* von Graff, 1899.

See *Bipalium ravenalae bimaculatum* (von Graff, 1899)

Bipalium richtersi (von Graff, 1899) comb. nov.

Placocephalus richtersi n. sp. von Graff, 1899 : 471 ; taf. VIII, fig. 6 (DB in color). Madagascar.

Placocephalus richtersi : Mell, 1902 : 222. Nossi-Bé / Madagascar.

Bipalium ridleyi von Graff, 1899

Bipalium ridleyi nom. nud. von Graff, 1898 : 122.

Bipalium ridleyi n. sp. von Graff, 1899 : 458 ; taf. IX, figs. 32-33 (DB, CP in color). Singapore.

Bipalium ridleyi : Laidlaw, 1903 : 116. Singapore.

Bipalium ridleyi : Tu, 1940 : 223.

Bipalium rigaudi von Graff, 1894

Bipalium Rigaudi n. sp. von Graff, 1894 : 100-101, text-fig. (DB). Lao-Kay, Tonkin / Vietnam.

Bipalium rigaudi : von Graff, 1899 : 441-442 ; taf. XII, figs. 18-19 (DB, DH in coqom). Tonkin / Vietnam ; Assam / India.

Bipalium rigaudi : de Beauchamp, 1939 : 308-312, fig. 3 A (DVH) ; 310, fig. 4 (FCA) ; pl. VII, figs. 3-4 (DB and VH). Dalat and Djiring, S. Annam / Vietnam.

Bipalium rigaudi : Müller, 1907 : 431-433 ; taf. XX, fig. 2 (FCA).

Bipalium rigaudi : von Graff, 1917 : taf. LIX, fig. 9 (FGO).

Bipalium rigaudi : de Beauchamp, 1938 : 53. S. Annam / Vietnam.

Bipalium rigaudi : de Beauchamp, 1939 : 308-312, figs. 3 A (DVH), 4 (FCA) ; pl. VII, figs. 3-4 (DB and VH). S. Annam / Vietnam.

Bipalium rigaudi : Tu, 1940 : 223.

Bipalium rigaudi : de Beauchamp, 1961 : 122, fig. 63 B (FCA).

***Bipalium robiginosum* von Graff, 1899**

Bipalium robiginosum nom. nud. von Graff, 1898: 122.

Bipalium robiginosum n. sp. von Graff, 1899: 435; taf. X, figs. 5-7 (DB in color). Buitenzorg and Preanger, Java / Indonesia.

Bipalium robiginosum: Müller, 1903: pl. VI, figs. 4-6 (FCA, HI).

Bipalium robiginosum: von Graff, 1917: taf. XXXIV, fig. 25 (DB in color); taf. LII, fig. 7 (HI).

Bipalium robiginosum: de Beauchamp, 1929: 6-7. Buitenzorg, Java / Indonesia.

Bipalium robiginosum: de Beauchamp, 1930a: 73-74. Java / Indosnesia; Singapore.

Syn. ? *Placocephalus bergendali* von Graff, 1899; *Placocephalus kraepelini* Ritter-Záhony, 1905.

Cf. de Beauchamp, 1929: 6; 1930: 73.

***Bipalium roonwali* Ramakrishna et Chauhan, 1962**

Bipalium roonwali n. sp. Ramakrishna & Chauhan, 1962: 54-56, fig. 1 (DVB). Nilgiris Hills / S. India.

***Bipalium rotungense* Whitehouse, 1914**

Bipalium rotungense n. sp. Whitehouse, 1914: 459; pl. XXIX, figs. 9 and 10 (DVB, DH).

Rotung, Assam / India.

***Bipalium ruteofulvum* Kaburaki, 1922**

Bipalium ruteofulvum n. sp. Kaburaki, 1922a: 2, 12-13, fig. 4 (DB, AE), 48, 54, pl. 1, fig. 10 (DB in color). Taipei, Formosa (Taiwan) / Republic of China.

Bipalium ruteofulvum: Tu, 1940: 223.

Bipalium ruteofulvum: Okugawa, 1953: 42-43.

Bipalium ruteofulvum: Kawakatsu, 1983: 55.

***Bipalium salvini* von Graff, 1899**

Bipalium salvini nom. nud. von Graff, 1897: 112, 114.

Bipalium salvini nom. nud. von Graff, 1898: 124.

Bipalium salvini n. sp. von Graff, 1899: 444-445; taf. XIX, figs. 23-26 (DB, DVH in color). Tomohon, N. Celebes / Indonesia.

***Bipalium sarasini* Müller, 1907**

Bipalium sarasini n. sp. Müller, 1907: 418-419; taf. XIX, figs. 1-3 (DVB). Bantimurong, S. Celebes / Indonesia.

***Bipalium semperi* (von Graff, 1899)**

Placocephalus semperi nom. nud. von Graff, 1898: 125.

Placocephalus semperi n. sp. von Graff, 1899: 474-476; taf. IX, figs. 1-3 (CP in color, etc.); taf. XIII, figs. 36-39 (DB, VH, CP in color, etc.). Mindanao, Palawan and Balabac / Philippines.

Bipalium semperi: Müller, 1907: 435-436; taf. XX, fig. 5 (FCA).

Bipalium semperi: Tu, 1940: 223.

***Bipalium sexcinctum* Loman, 1890**

Bipalium sexcinctum n. sp. Loman, 1890: 140; taf. XII, fig. 2 (DB). Singkarak, Sumatra / Indonesia.

Bipalium sexcinctum: von Graff, 1898: 122.

Bipalium sexcinctum: von Graff, 1899: 459; taf. IX, fig. 40 (DB in color). Singkarak, Sumatra / Indonesia.

***Bipalium shipleyi* von Graff, 1899**

Bipalium shipleyi nom. nud. von Graff, 1897: 112-114.

- Bipalium shipleyi* nom. nud. von Graff, 1898: 120.
- Bipalium shipleyi* n. sp. von Graff, 1899: 428; taf. XIX, figs. 17-18 (DB, VH in color). Posso
-See, C. Celebes / Indonesia.
- Bipalium sikorai* (von Graff, 1899) comb. nov.
- Perocephalus sikorai* n. sp. von Graff, 1899: 223, fig. 69 (FCA); 414-415; taf. XII, figs. 32-36
(DVB, VH in color); taf. XLIII, figs. 5-6 (FGO, etc.). Madagascar.
- Perocephalus sikorai*: von Graff, 1913: 2717, fig. 11c (DB).
- Bipalium simplex* von Graff, 1899
- Bipalium simplex* nom. nud. von Graff, 1898: 120.
- Bipalium simplex* n. sp. von Graff, 1899: 431; taf. VIII, fig. 7 (DB in color). Sunda Islands,
Java / Indonesia.
- Bipalium simrothi* Loman, 1895
- Bipalium Simrothi* n. sp. Loman, 1895: 31; fig. 1 (DB). Natuna Island / Indonesia.
- Bipalium simrothi*: von Graff, 1898: 122. Natuna Island / Indonesia.
- Bipalium simrothi*: von Graff, 1899: 456-457; taf. IX, figs. 27-31 (DB, VB, DH in color).
Natuna Island / Indonesia.
- Bipalium simrothi*: Müller, 1907: 424-427; taf. XIX, fig. 10 (HI), XX, fig. 7 (FCA).
- Bipalium simrothi*: von Graff, 1917; taf. XXXIV, figs. 1-2 (DB in color).
- Bipalium simrothi*: de Beauchamp, 1933: 113-116, fig. 2 (FCA); pl. VI, figs. 2-3 (DVB). Tio-
man Is. and Aor Is. (China Sea), Malaya / Malaysia.
- Bipalium simrothi*: de Beauchamp, 1940: 114-115; pl. XXVI (FCA). Gunong Pulai, Johore;
Pulau Pisang, Malacca Str.; Bukit Timah / Malaysia.
- Bipalium simrothi*: Tu, 1940: 224.
- Syn. *Bipalium rauchi* (?), *Bipalium ridleyi* (?), *Bipalium steindachneri* (?). Cf. de Beauchamp,
1933: 113.
- Bipalium smithi* von Graff, 1899
- Bipalium smithi* n. sp. von Graff, 1899: 430. Darjiling / N. India.
- Bipalium smithi*: Whitehouse, 1914: 457-458. India.
- See *Bipalium giganteum* Whitehouse, 1914.
- Bipalium solmsi* von Graff, 1899
- Bipalium solmsi* nom. nud. von Graff, 1898: 125.
- Bipalium solmsi* n. sp. von Graff, 1899: 448; taf. IX, figs. 16-17 (DB, CP in color). Gunung
Salak, Java / Indonesia.
- Bipalium somii* Chaurasia, 1981
- Bipalium somii* n. sp. Chaurasia, 1981: ? Chhatarpur ? / India.
- Note: Abstract only.
- Bipalium sordidum* Whitehouse, 1914
- Bipalium sordidum* n. sp. Whitehouse, 1914: 459-460; pl. XXX, figs. 11-14 (DB, DVH, AE).
The Yembung River, Assam / India.
- Bipalium splendens* Whitehouse, 1919
- Bipalium splendens* n. sp. Whitehouse, 1919: 36-37; pl. XI, figs. 29-31 (DH, CP). Kurseong,
Eastern Himalayas and Cherrapunji, Assam / India.
- Bipalium splendens*: Ogren, 1987: 28.
- Bipalium steindachneri* von Graff, 1899
- Bipalium steindachneri* nom. nud. von Graff, 1898: 120.

Bipalium steindachneri n. sp. von Graff, 1899: 431; taf. VIII, figs. 20-21 (DVB in color).

Malacca, Malay Peninsula / Malaysia.

Bipalium steindachneri: Laidlaw, 1903: 116. Malacca, Malay Peninsula / Malaysia.

Bipalium steindachneri: Tu, 1940: 224.

***Bipalium stimpsoni* Diesing, 1861**

Bipalium Stimpsoni n. sp. Diesing, 1861: 515. Hong Kong.

Bipalium sp.: Stimpson, 1861: 134. Hong Kong.

Bipalium Stimpsoni: Moseley, 1875: 106. Hong Kong.

Bipalium Stimpsoni: Moseley, 1877: 290. Hong Kong.

Bipalium Stimpsoni: Loman, 1887: 64. Hong-Kong.

Placocephalus stimpsoni: von Graff, 1899: 473-474. Hongkong (=Hong Kong).

Bipalium stimpsoni: Tu, 1940: 224.

Species inquirenda.

***Bipalium strubelli* von Graff, 1899**

Bipalium strubelli nom. nud. von Graff, 1898: 124.

Bipalium strubelli n. sp. von Graff, 1899: 440-441; taf. XI, figs. 12-16 (DVB, CP in color).

Gunung Salaku and Buitenzorg, Java / Indonesia.

Bipalium strubelli: Laidlaw, 1903: 116. Singapore.

Bipalium strubelli: Müller, 1907: 430-431; taf. XX, fig. 1 (FCA).

Bipalium strubelli: von Graff, 1913: 2717, fig. 11g (DB).

Bipalium strubelli: von Graff, 1917: taf. XXXIV, figs. 21-24 (DVB, CP in color).

Bipalium strubelli: Tu, 1940: 224.

***Bipalium sudzuki* Kawakatsu, 1986**

Bipalium sudzuki n. sp. Kawakatsu, 1986: 1-7, figs. 1-3 (DVB, FCA, PCA, HI, etc.). Penang Hills, Penang, Malaya / Malaysia.

Bipalium sudzuki n. sp. Kawakatsu, 1986: 15.

Bipalium sudzuki: Kawakatsu, 1987: 2. emend.

***Bipalium sumatrense* Loman, 1883**

Bipalium Sumatrense n. sp. Loman, 1883: 168. Residenz Palembang, Sumatra / Indonesia.

Bipalium sumatrense: Loman, 1887, 65-66; taf. I, fig. 2 A and B (DB, VH); taf. II, figs. 9-16, 27, 29 (FCA, etc.). S. Sumatra / Indonesia.

Bipalium sumatrense: von Graff, 1898: 120. Sumatra / Indonesia.

Bipalium sumatrense: von Graff, 1899: 418; taf. VIII, fig. 5 (CP). Sumatra / Indonesia.

***Bipalium superbum* von Graff, 1899**

Bipalium superbum nom. nud. von Graff, 1898: 123.

Bipalium superbum n. sp. von Graff, 1899: 439-440; taf. XI, figs. 1-4 (DB, DH, CP in color).

Gunung Salak, Java / Indonesia.

(nec *Placocephalus superbus* Whitehouse, 1914). See *Bipalium whitehousei* Ogren et Kawakatsu, 1987, nom. nov.

***Bipalium sylvestre* Whitehouse, 1919**

Bipalium sylvestre n. sp. Whitehouse, 1919: 37-38; pl. XI, figs. 35 and 36 (DVH). Cochin State / India.

Bipalium prox. *sylvestre*: Kapadia, 1947: 178-180. Junagadh, Kathiawar / India.

Bipalium sylvestre: Ogren, 1987: 28.

***Bipalium tamatavense* (von Graff, 1899) comb. nov.**

Perocephalus tamatavensis n. sp. von Graff, 1899: 415-416; taf. XIII, figs. 13-17 (DVB in color, etc.). Madagascar.

Perocephalus tamatavensis: von Graff, 1914: 2919, figs. 124-145 (DVH, AE).

Perocephalus tamatavensis: von Graff, 1917: taf. XXXIV, figs. 18-20 (DVH in color, etc.).

***Bipalium tau* Mell, 1902**

Bipalium tau n. sp. Mell, 1902: 218-219; taf. XXX, figs. 3-6 (DVB, DVH, AE). Ankotojotsy, Vallée du St. Aug. / Madagascar.

***Bipalium tennenti* Diesing, 1861**

Planaria (*Geoplana*?) sp.: Tennent, 1859: 245. Ceylon / Sri Lanka.

Bipalium Tennenti n. sp. Diesing, 1861: 517. Ceylon / Sri Lanka.

?*Bipalium tennenti*: von Graff, 1899: 255. Ceylon / Sri Lanka.

***Bipalium transversefasciatum* Müller, 1903**

Bipalium phebe (?) var. *transversefasciatum* n. sp. Müller, 1903: 81-84, taf. IV, figs. 4 and 4a (DB). Perak, Gunong Inas, Malay Peninsula / Malaysia.

Bipalium phoebe (?) *transversifasciatum*: Laidlaw, 1903: 116. Kuala Aring, Kelantan, Malay Peninsula / Malaysia. Spelling error.

Bipalium phebe (?) var. *transversefasciatum*: Tu, 1940: 223.

Bipalium phebe transversefasciatum: Kawakatsu, 1986: 1, 6-7, 15.

Bipalium transversefasciatum: Kawakatsu, 1986: 7, 15.

***Bipalium trifuscostriatum* Kaburaki, 1922**

Bipalium trifuscostriatum n. sp. Kaburaki, 1922a: 2, 31-33, fig. 15 (DB, AE), 49, 52, pl. 1, fig. 15 (DB in color). Sakata, at the eastern foot of Mt. Hiei-zan; also collected from Mi'idera Temple, Ôtsu, near Kyôto, Honshû / Japan.

Bipalium trifuscostriatum: Tu, 1940: 224.

Bipalium trifuscostriatum: Okugawa, 1953: 43.

Bipalium trifuscostriatum: Kawakatsu, 1983: 55.

Bipalium trifuscostriatum: Ogren, 1987: 28.

Bipalium sp. (TFS type): Kawakatsu, Oki, Tamura, Sekiguchi & Ogren, 1987: 20, figs. 1 and 2 (DVB, FCA), 22-24, table 1, figs. 6 A-D, 8 A-D (karyotype, 2x=10).

***Bipalium trilineatum* Stimpson, 1858**

Bipalium trilineatum n. sp. Stimpson, 1858: 31. Hakodate in Hokkaidô (Jesso) / N. Japan.

Bipalium trilineatum: Diesing, 1861: 516.

Bipalium trilineatum: Moseley, 1875: 108.

Bipalium trilineatum: Moseley, 1877: 290.

Bipalium trilineatum: Loman, 1887: 64.

Bipalium trilineatum: von Graff, 1899: 443. Jesso / Japan.

Bipalium trilineatum: Kaburaki, 1922a: 33-34, fig. 16 (DH); pl. 1, fig. 16 (DB in color). Mt. Hanaoka, Kumamoto Pref., Kyûshû / S. Japan.

Placocephalus trilineatus: Kaburaki, 1922b: 159. Kappansan (near Taipei), Taiwan (Formosa) / Republic of China.

Bipalium trilineatum: Kaburaki, 1927: 1675, fig. 2023 (DB).

Bipalium trilineatum: Tu, 1940: 224.

Bipalium trilineatum: Kaburaki, 1947: 1490, fig. 4199 (DB).

Bipalium trilineatum: Okugawa, 1953: 43.

Bipalium trilineatum: Okugawa, 1960: 174-175, pl. 87, fig. 3 (DB in color).

Bipalium trilineatum : Okugawa, 1965 : 322, fig. 44 (DV).

?*Bipalium trilineatum* : Kawakatsu, Makino & Shirasawa, 1982 : 257.

?*Bipalium trilineatum* : Kawakatsu, 1983 : 55.

Bipalium trilineatum : Ogren, 1987 : 28.

Species inquirenda.

Note: The type locality of *Bipalium trilineatum* is described as "Hab. in collibus insulae "Jesso"; inter folia putrida". It is the vicinity of Mt. Hakodate-yama in Hakodate, the southern part of Hokkaidô in North Japan (cf. Heine, 1858-1859).

Stimpson's *B. trilineatum* cannot be identified from his description alone. Unless sexually mature specimens conforming to his description are collected from the vicinity of the type locality and redescribed, the confirmation of this species inquirenda is impossible (cf. Kawakatsu, Makino & Shirasawa, 1982, p. 257; Kawakatsu, 1983). The authors' opinion is that it would be better to suppress the name of Stimpson's species as nomen dubium

Bipalium tripartitum von Graff, 1899

Bipalium tripartitum nom. nud. von Graff, 1898 : 125.

Bipalium tripartitum n. sp. von Graff, 1899 : 447 ; taf. XIII, figs. 34-35 (DB in color, etc.).

Balabac / Philippines.

Bipalium tripartitum : Tu, 1940 : 224.

Bipalium umbrinum (Geba, 1909) comb. nov.

Placocephalus umbrinus n. sp. Geba, 1909 : 383-385, taf. 20, figs. 3-5 (DVH and FCA), 21, fig. 32 (HI). Ste. Marie Island / Madagascar.

Bipalium unicolor Moseley, 1877

Bipalium unicolor n. sp. Moseley, 1877 : 286. Mindanao / Philippines.

Bipalium unicolor : Loman, 1887 : 64.

Bipalium unicolor : von Graff, 1897 : 112, 114.

Bipalium unicolor : von Graff, 1898 : 121.

Bipalium unicolor : von Graff, 1899 : 432 ; taf. VIII, figs. 18-19 (DB, VH in color). Mindanao / Philippines ; S. Celebes / Indonesia.

Bipalium unicolor : Tu, 1940 : 224.

Bipalium univittatum Grube, 1866

?*Planaria lunata* : Elliot, 1848 : 162-167, pl. I. Madras / India.

Bipalium univittatum n. sp. Grube, 1866 : 183-184. S. India.

Bipalium univittatum : Grube, 1867 : 63.

Bipalium univittatum : Grube, 1868 : 45 ; taf. IV, fig. 9.

?*Planaria lunata* : Elliot, 1870 : 495. Madras / India.

Bipalium univittatum : Loman, 1887 : 64. Madras / India.

Bipalium univittatum : von Graff, 1899 : 99, fig. 5a (FP) ; 216, figs. 63 (FCA) ; taf. VIII, figs. 36-39 (DB, DVH in color) ; taf. XLI, figs. 4-7 (FGO, etc.) ; taf. XLII, figs. 1-6 (FGO) ; taf. XLIII, fig. 1 (GP). Madras / India.

Bipalium univittatum : von Graff, 1913 : 2717, fig. 11i (DB), 2790, fig. 35A (HI).

Bipalium univittatum : von Graff, 1917 : taf. LIV, figs. 4-8 (HI).

Bipalium univittatum : de Beauchamp, 1930b : 678-682, figs. 1-3 (DB, DVB, FCA). Nilgiris and Anaimalais, Palnis / India.

Bipalium univittatum : Tu, 1940 : 224.

Bipalium univittatum : de Beauchamp, 1961 : 115, fig. 58 A (DVH).

Bipalium univittatum subboreale Sabussowa, 1925

Bipalium univittatum var. *subboreale* n. var. Sabussowa, 1925 : 289-293, 298, taf. 6, fig. 2 (FCA).

The basin of Jang-tsez-kjang, a tributary of the By'tschju, Ch'inghai Hsing / C. China.

Bipalium univittatum var. *subboreale* : Kawakatsu & Lue, 1984 : 105.

Bipalium univittatum var. *subboreale* Sabussowa, 1925

See *Bipalium univittatum subboreale* Sabussowa, 1925.

Bipalium venosum Kaburaki, 1922

Bipalium venosum n. sp. Kaburaki, 1922a : 2, 8-12, figs. 2 and 3 (DB, AE, FCA), 48, 54, pl. 1, fig. 12 (DB in color). Mi'idera Temple, Ôtsu, near Kyôto, Shiga Pref., Honshû / Japan.

Bipalium venosum : Tu, 1940 : 224.

Bipalium venosum : Okugawa, 1953 : 43.

Bipalium venosum : Walton & Yokogawa, 1972 : 445-446. Kyûshû / Japan.

Bipalium venosum : Kawakatsu, 1983 : 55.

Bipalium vinosum Kaburaki, 1925

Bipalium vinosum n. sp. Kaburaki, 1925 : 31-32. The Andaman Islands / India.

Bipalium virchowii (von Graff, 1899) comb. nov.

Placocephalus virchowii nom. nud. von Graff, 1898 : 123.

Placocephalus virchowii n. sp. von Graff, 1899 : 471 ; taf. X, figs. 27-28 (DB, CP in color). Ostküste, Sumatra / Indonesia.

Bipalium virgatum Stimpson, 1858

Bipalium virgatum n. sp. Stimpson, 1858 : 30-31. Okinawa Island (Loo Choo), the Ryûkyû Islands, Southwest Islands of Japan / Japan.

Bipalium virgatum : Diesing, 1861 : 514.

Bipalium virgatum : Moseley, 1875 : 108.

Bipalium virgatum : Moseley, 1877 : 290.

Bipalium virgatum : Loman, 1887 : 64.

Bipalium virgatum : von Graff, 1899 : 445.

Placocephalus virgatus : Kaburaki, 1922a : 42-43, fig. 22 (DH) ; pl. 1, fig. 18 (DB in color). Taipei (Taihoku), Taiwan (Fomosa) / Republic of China.

Placocephalus virgatus : Kaburaki, 1922b : 158. Kuraru (near Hengchun), Taiwan (Formosa) / Republic of China.

Bipalium virgatus : Tu, 1940 : 224.

Bipalium virgatus : Okugawa, 1953 : 43.

Bipalium virgatum : Kawakatsu, 1983 : 55.

Species inquirenda.

Note: The type locality of *Bipalium virgatum* is described as "Hab. ad insulam "Loo Choo"; inter lapillos et folia putrida". It is Okinawa Island, the Ryûkyû Islands, in the Southwest Islands of Japan (cf. Heine, 1858-1859).

Bipalium virile Müller, 1903

Bipalium virile n. sp. Müller, 1903 : 76-78 ; taf. IV, fig. 1 (DB, CP), V, figs. 1-2 (FCA, HI). Si Rambé, Sumatra / Indonesia.

Bipalium vittatum Loman, 1887

Sphyrocephalus vittatus Kuhl & van Hasselt (Ms.). Cited from Loman, 1887 : 84 ; taf. I, fig. 5 A-C (DB, DH). W. Java / Indonesia.

Bipalium vittatum n. sp. Loman, 1887 : 64-65 ; taf. I, fig. 5 A-C (DB, DH). W. Java / Indone-

sia.

Bipalium vittatum: Loman, 1895: 30. W. Java / Indonesia.

Bipalium vittatum: von Graff, 1898: 125. Buitenzorg, Java / Indonesia.

Bipalium vittatum: von Graff, 1899: 448-449; taf. IX, figs. 4-10 (DB, DH, VH, etc. in color).
W. Java / Indonesia.

Bipalium vittatum: von Graff, 1913: 2794, fig. 42 (VB).

***Bipalium voighti* von Graff, 1899**

Bipalium voighti n. sp. von Graff, 1899: 447; taf. XVIII, figs. 12-14 (DH in color, etc.). Madagascar.

Bipalium voighti: Mell, 1902: 212-213; taf. XXXII, fig. 5 (FCA). Nossi-Bé / Madagascar.

Bipalium voighti: von Graff, 1913: 2794, figs. 43-44 (HI).

Bipalium voighti: von Graff, 1917: taf. XXXIV, fig. 13 (DH in color).

***Bipalium weberi* Loman, 1890**

Bipalium weberi n. sp. Loman, 1890: 141; taf. XII, fig. 6 (DB). Padang, Sumatra / Indonesia.

Bipalium weberi: von Graff, 1898: 121.

Bipalium weberi: von Graff, 1899: 455; taf. IX, fig. 34 (DB in color). Apenberg, Sumatra / Indonesia.

***Bipalium weismanni* Ritter-Záhony, 1905**

Bipalium weismanni n. sp. Ritter-Záhony, 1905: 177-180, 192, fig. 1 (HI); taf. I, fig. 6 (VB),
taf. II, fig. 9 (FCA). Tjibodas, Java / Indonesia.

***Bipalium whitehousei* nom. nov.**

Placocephalus superbus n. sp. Whitehouse, 1914: 460-462, pl. XXX, figs. 15-20a (DVB, DVH, AE). Rotung, Assam / India.

(nec *Bipalium superbum* von Graff, 1899).

***Bipalium wiesneri* von Graff, 1899**

Bipalium wiesneri nom. nud. von Graff, 1898: 123.

Bipalium wiesneri n. sp. von Graff, 1899: 437-438; taf. X, figs. 16-17 (DB, CP in color).
Buitenzorg, Java / Indonesia.

Bipalium wiesneri: Müller, 1907: 419-422; taf. XIX, figs. 4-6 (HI, FCA). Java / Indonesia.

Bipalium wiesneri: von Graff, 1917: taf. LII, fig. 6 (HI); taf. LIII, fig. 6 (FGO).

Bipalium wiesneri: de Beauchamp, 1940: 115-116, fig. 1 (DH); pl. XXVII (FCA). Gunog Pulau, Johore, Malay Peninsula / Malaysia.

***Bipalium woodworthi* von Graff, 1899**

Bipalium woodworthi n. sp. von Graff, 1899: 450; taf. XVIII, figs. 15-17 (DB, DH, CP in color).
Madagascar.

Bipalium woodworthi: Mell, 1902: 209-212; taf. XXXI, fig. 4 (FCA). Nossi-Bé / Madagascar.

***Bipalium wrighti* von Graff, 1899**

Bipalium wrighti nom. nud. von Graff, 1897: 112, 114.

Bipalium wrighti nom. nud. von Graff, 1898: 120.

Bipalium wrighti n. sp. von Graff, 1899: 429-430; taf. XIX, figs. 19-20 (DB, VH in color).
Minahassa, N. Celebes / Indonesia.

Bipalium spp. of Borneo (Malaysia). M'Intosh, 1870.

See Houghton (1870); *Bipalium everetti* Moseley, 1875, and *Bipalium houghtoni* Moseley, 1875.

Bipalium sp. of Cameron's Highlands (Malaysia). de Beauchamp, 1933.

- de Beauchamp, 1933 : 117. Tanah-Rata, Cameron's Highlands, Malay Peninsula / Malaysia.
- Bipalium* sp. of Celebes (Indonesia). Sarasin & Sarasin, 1895.
 Sarasin & Sarasin, 1895a : 354, 389.
 Sarasin & Sarasin, 1895b : 329.
 von Graff, 1899 : 428, 446.
- Bipalium* spp. of Celebes (Indonesia). Sarasin & Sarasin, 1901.
 Sarasin & Sarasin, 1901 : 113. Five species from Celebes / Indonesia.
 See also Sarasin, 1895a : 354, 389.
- Bipalium* sp. of Hong Kong. Stimpson, 1861.
 Stimpson, 1861 : 134-135.
 von Graff, 1899 : 473.
 See *Bipalium stimpsoni* Diesing, 1861.
- Bipalium* sp. of Japan. Moseley, 1892.
 Moseley, 1892 : 428.
 Cited from von Graff, 1899 : 476.
- Bipalium* spp. from Kôbe and Neyagawa (Japan). Kawakatsu, 1985.
 Oki, Tamura & Kawakatsu, 1985 : 1005.
 Kawakatsu, Oki, Tamura, Sekiguchi & Ogren, 1987 : 20-24.
 See *Bipalium* sp. (TFS type) from Ôsaka area.
 See also *Bipalium trifuscostriatum* Kaburaki, 1922.
- Bipalium* sp. of Madurai (India). Kawakatsu & Basil, 1971.
 Kawakatsu & Basil, 1971 : 43-45, 48-49, pl. I, figs. D and E (DB, DH, AE). Alagerkovil Hills,
 Madurai / India.
 Kawakatsu & Basil, 1976 : 51-52, fig. 1 E and D.
- Bipalium* sp. of Nanking (China). Ping, 1931.
Placocephalus sp. of Nanking : Ping, 1931 : 179. Nanking / China.
 Kawakatsu & Liu, 1987 : 39-40.
- Bipalium* sp.? of New Zealand. Hutton, 1873.
 Hutton, 1873 : 249. Wellington / New Zealand.
 Cited from Moseley, 1877 : 275-280, 290.
 See also von Graff, 1899 : 476.
- Bipalium* sp. of Nilgiris (India). de Beauchamp, 1930.
 de Beauchamp, 1930a : 695. Coonoor, Nilgiris / India.
- Bipalium* n. sp. # 1. Ogren, 1984.
 Ogren, 1984 : 198.
 See *Bipalium pennsylvanicum* Ogren, 1987.
- Bipalium* sp. # 2. Ogren, 1984.
 Ogren, 1984 : 199. Philadelphia / U. S. A.
- Bipalium* sp. (TFS type) from Ôsaka area (Japan). Kawakatsu, 1987.
 Kawakatsu, Oki, Tamura, Sekiguchi & Ogren, 1987 : 20, figs. 1 A and B (DB), 2 (FCA), 22,
 table 1 (karyotype, $2x=10$), 23, fig. 6 A-D (photomicrographs of chromosomes), 24, fig.
 8 A-D (idiograms). Kôbe, Neyagawa and Wakayama / Japan.
 Note : This species seems to be *Bipalium trifuscostriatum* Kaburaki, 1922.
- Bipalium* sp. of Palnis (India). de Beauchamp, 1930.
 de Beauchamp, 1930a : 695. Vandaravu, Palnis / India.

- Bipalium* sp. Schneider, 1873. Locality unknown.
 Schnider, 1873 : 10, 18, taf. VII, fig. 7a, b.
 Cited from von Graff, 1899 : 476.
- Bipalium* sp. Semper, 1880. The Philippines.
 Semper, 1880 : 228-229, 296, fig. 53e.
 Cited from von Graff, 1899 : 476.
- Bipalium* sp. of Taipei (China). Kawaguchi, 1932.
 Kawaguchi, 1932 : 16, 23-25, figs. 4-5 (DVB, AE). Taihoku (= Taipei), Taiwan / Republic of China.
- Bipalium* sp. 1 of Taiwan. Kawakatsu, 1985.
 Kawakatsu, Lue, Takai, Hori, Muto & Osawa, 1985 : 120-122, fig. 8 (map showing the localities). Shinting and Taipei / Taiwan.
 Kawakatsu, Lue, Takai, Hori, Muto & Osawa, 1986 : 70-71, fig. 6 (map showing the localities). Hapen, near Uulai / Taiwan.
- Bipalium* sp. 2 of Taiwan. Kawakatsu, 1985.
 Kawakatsu, Lue, Takai, Hori, Muto & Osawa, 1985 : 120-121, fig. 8 (map showing the locality). Taipei / Taiwan.
 Kawakatsu, Lue, Takai, Hori, Muto & Osawa, 1986 : 70, fig. 6 (map showing the locality).
- Bipalium* sp. 3 of Taiwan. Kawakatsu, 1985.
 Kawakatsu, Lue, Takai, Hori, Muto & Osawa, 1985 : 121-122, fig. 8 (map showing the locality). The vicinity of Lianghua Pond / Taiwan.
 Kawakatsu, Lue, Takai, Hori, Muto & Osawa, 1986 : 70, fig. 6 (map showing the locality).
- Bipalium* sp. 4 of Taiwan. Kawakatsu, 1985.
 Kawakatsu, Lue, Takai, Hori, Muto & Osawa, 1985 : 121-122, fig. 8 (map showing the localities). Mt. Houhuan-shan and Mt. Alishan / Taiwan.
 Kawakatsu, Lue, Takai, Hori, Muto & Osawa, 1986 : 70, fig. 6 (map showing the localities).
- Bipalium* sp. 5 of Taiwan. Kawakatsu, 1985.
 Kawakatsu, Lue, Takai, Hori, Muto & Osawa, 1985 : 121-122, fig. 8 (map showing the locality). Mt. Alishan / Taiwan.
 Kawakatsu, Lue, Takai, Hori, Muto & Osawa, 1986 : 70-71, fig. 6 (map showing the localities). The vicinity of Noukoutienchi aPond and Patungkuan / Taiwan.
- Bipalium* sp. 6 of Taiwan. Kawakatsu, 1985.
 Kawakatsu, Lue, Takai, Hori, Muto & Osawa, 1985 : 121-122, fig. 8 (map showing the locality). Mt. Wut'ou-shan / Taiwan.
 Kawakatsu, Lue, Takai, Hori, Muto & Osawa, 1986 : 70-71, fig. 6 (map showing the localities).
- Bipalium* sp. 7 of Taiwan. Kawakatsu, 1985.
 Kawakatsu, Lue, Takai, Hori, Muto & Osawa, 1985 : 121-122, fig. 8 (map showing the locality). Mt. Wut'ou-shan / Taiwan.
 Kawakatsu, Lue, Takai, Hori, Muto & Osawa, 1986 : 70, fig. 6 (map showing the locality).
- Bipalium* sp. 8 of Taiwan. Kawakatsu, 1986.
 Kawakatsu, Lue, Takai, Hori, Muto & Osawa, 1986 : 70-71, fig. 6 (map showing the locality). The vicinity of Noukoutienchi Pond / Taiwan.
- Bipaliura* Stimpson, 1861
 Note: This genus name is only found in the title of Stimpson's 1861 paper. *Bipalium* is used in his text.
- Bipaluria* Stimpson, 1861

Note: This genus name is only found in the synonymy list of the genus *Bipalium* Stimpson, 1857, in Winsor's 1983 paper (on page 63). It seems to be a clerical error. See *Bipaliura* Stimpson, 1861.

Dunlopea cantoria Wright, 1860

See *Bipalium cantori* (Wright, 1860).

Dunlopea ferudpoorensis Wright, 1860

See *Bipalium ferudpoorensis* (Wright, 1860).

Dunlopea grayia Wright, 1860

See *Bipalium grayi* (Wright, 1860).

Perocephalus fulvus Kaburaki, 1922

See *Bipalium fulvum* Kaburaki, 1922.

Perocephalus hilgendorfi von Graff, 1899

See *Bipalium hilgendorfi* (von Graff, 1899).

Perocephalus ravenalae von Graff, 1899

See *Bipalium ravenalae* (von Graff, 1899).

Perocephalus sikorai von Graff, 1899

See *Bipalium sikorai* (von Graff, 1899).

Perocephalus tamatavensis von Graff, 1899

See *Bipalium tamatavense* (von Graff, 1899).

Placocephalus bergendali von Graff, 1899

See *Bipalium bergendali* (von Graff, 1899).

Placocephalus bleekeri von Graff, 1899

See *Bipalium bleekeri* (von Graff, 1899).

Placocephalus dubius (Loman, 1890)

See *Bipalium dubium* Loman, 1890.

Placocephalus fuscatus (Stimpson, 1858)

See *Bipalium fuscatum* Stimpson, 1858.

Placocephalus glaucus Kaburaki, 1922

See *Bipalium glaucum* Kaburaki, 1922.

Placocephalus gracilis (Loman, 1890)

See *Bipalium gracile* Loman, 1890.

Placocephalus hasseltii (Loman, 1890)

See *Bipalium hasseltii* Loman, 1890.

Placocephalus isabellinus Geba, 1909

See *Bipalium isabellinum* (Geba, 1909).

Placocephalus javanus (Loman, 1883)

See *Bipalium javanum* Loman, 1883.

Placocephalus kewensis (Moseley, 1878)

See *Bipalium kewense* Moseley, 1878.

Placocephalus kraepelini Ritter-Záhony, 1905

See *Bipalium kraepelini* (Ritter-Záhony, 1905).

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See *Bipalium molle* (von Graff, 1899).

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See *Bipalium murinum* (von Graff, 1899).

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- See *Bipalium nigrum* (Ritter-Záhony, 1905).
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- See *Bipalium richtersi* (von Graff, 1899).
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- See *Bipalium semperi* (von Graff, 1899).
- Placocephalus stimpsoni* (Diesing, 1861)
- See *Bipalium stimpsoni* Diesing, 1861.
- Placocephalus superbus* Whitehouse, 1914
- See *Bipalium whitehousei* Ogren et Kawakatsu, 1987, nom. nov.
- Placocephalus tennenti* (Diesing, 1861)
- See *Bipalium tennenti* Diesing, 1861.
- Placocephalus trilineatus* (Stimpson, 1858)
- See *Bipalium trilineatum* Stimpson, 1858.
- Placocephalus umbrinus* Geba, 1909
- See *Bipalium umbrinum* (Geba, 1909).
- Placocephalus virchowii* von Graff, 1898
- See *Bipalium virchowii* (von Graff, 1899).
- Placocephalus virgatus* (Stimpson, 1858)
- See *Bipalium virgatum* Stimpson, 1858.
- Placocephalus* sp. of Nanking (China). Ping, 1931.
- See *Bipalium* sp. of Nanking (China).
- Planaria lunata* Gray, 1835.
- See *Bipalium lunatum* (Gray, 1835).
- ?*Planaria lunata*: Elliot, 1848 and 1870
- See *Bipalium univittatum* Grube, 1866.
- Sphyrocephalus dendrophilus* Schmarda, 1859
- See *Bipalium dendrophilum* (Schmarda, 1859).
- Sphyrocephalus kewensis* (Moseley, 1878)
- See *Bipalium kewense* Moseley, 1878.
- Sphyrocephalus marginatus* Kuhl & van Hasselt (Ms.)
- See *Bipalium marginatum* Loman, 1887.
- ?*Sphyrocephalus unistriatus* Kuhl & van Hasselt (Ms.)
- See *Bipalium claviforme* Loman, 1890.
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- See *Bipalium vittatum* Loman, 1887.

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