Kawakatsu's Web Library on Planarians: Feb. 29, 2008.

An Annotated Bibliography of Chinese "Turbellarians" (Plathelminthes) from 1841 through 2007, with Explanatory Lists of Related Papers

By

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Introduction

I. History of the Study of "Turbellaria" in China

1). Previous Studies by the Kawakatsu's Team

The history of the study of Turbellarians in China and Japan through the early 20th Century was reviewed by Kawakatsu & Lue (1984), Lue & Kawakatsu (1986) and Kawakatsu (1991).

Some early records of planarians are found in Chinese and Japanese Materia Medica. The oldest of manuscripts of Materia Medica is "Shuên-Nung Pên-Ts'ao-Ching" (Jin'nô-Honzô-kyô in Japanese phonetics), which was compiled in the 5th Century by Hong-Ying Tao (Kôkei Tô). More comprehensive manuscripts of Materia Medica were written from the 6th through the 16th Centuries. Some of them were also published as wood-block books. In Japan, various manuscripts and wood-block books of Materia Medica were written and/or published during the 17th through the anterior half of the19th Centuries.

Prescientific records of animals seem to be freshwater and land planarians are found in various editions of Chinese and Japanese Materia Medica. For the references, see Kawakatsu (1969, 1973, 1983, 1991), Kawakatsu & Lue (1984), Kawakatsu, Tamura & Lue (1984), Lue & Kawakatsu (1986), and Sasaki (2001a, b). Judging from the contents of Chinese Materia Medica, the natural range of *Bipalium nobile* Kawakatsu et Makino, 1982, a very large land planarian distributed in Japan after World War II, seems to be mid-central (and southern?) China (cf. Kawakatsu, Ogren, Froehlich & Murayama, 2001; Kawakatsu, Nishino & Ohtaka, 2007).

Additionally, the following papers are useful for the basic knowledge of Chinese Marteria Medica: Read (1934); Sasaki (2001 c, d); Sugino, Kawakatsu, Lue, Katayama & Korrêa (1986).

Turbellarian studies in China in the age of expeditions by Westerners and Japanese scholars are described and discussed by Lue & Kawakatsu (1986) and Kawakatsu (1991).

2). Liu's Book on Chinese "Turbellarians" Published in 1993 and Its Explanatory Articles by the Kawakatsu's Team

In December of 1993, Mr. De-zeng Liu (Harbin, China) published a unique book on "Turbellarians" written in Chinese (Peking Chinese by simplified characters used after World War II). It is as follows:

Liu, De-Zeng. 1993. Chinese Freshwater Turbellarians. Six prefatory pages without pagination + 1-2 + 1 blank + 1-184 pp. National Peking Normal University Press, Peking. Published in December, 1993 (without the date of publication). In Chinese. <Zhongguo Tanshui Wochóng>. <Beijing Shifan Daxue Chuban She, Beijing>.

This book contains 35 Chinese articles (see 6 plate pages added at the end of this web article)(pp. - , Nos. 1-35). They are: i) reproduction of the late Dr. Tu's old papers (4), ii) reproduction of planarian papers published by the foreign turbellariologists of the United States, Brazil, Russia, and Japan (13), and iii) Liu's original papers including reproduction of published ones and preliminary reports (which will be publish in the other journals in near future)(18).

For a detailed explanation and taxonomic discussion of the contents of Mr. Liu's (1993) book, see Kawakatsu (1994, 1996); see also Kawakatsu & Liu (1987).

3). Web Abstracts on Chinese "Turbellarians" Published after the Year 1990

After the year of 1990, web abstracts on Chinese turbellarian studies are increasing gradually. They attained to over 60 in numbers until the end of November 2007.

Each of Chinese web abstracts includes the following items: i) the title; ii) author'(s) name(s), iii) the publication journal and its published year, iv) key words, v) Chinese abstract, and iv) a list of related publications. In recent web abstracts, sometimes an English title, author's(s) name(s) in Roman alphabets, an English name of the published journal, and an English abstracts are also given. Six samples of Chinese web abstracts are shown on plate pages added at the end of this web article (pp. - , Nos. 38-42).

Chinese web abstracts can be downloaded if the software of "Simplified Chinese Characters" is installed into own computer. For the test, please open the following URLs.

Google Scholar Search. www.ilib.cn
http://service.ilib.cn/Search/Search.aspx?Query=%e6%b6%a1%e8%99%ab&P

However, the authors of the present web article considered that there might be no Western turbellariologists who can easily read Chinese sentences. Thus, we hope to give short English explanation for each of Chinese web abstracts now we can download. URL(s) for each of them will also be added. Related publications from other countries are also listed. In the Chapter II of the Annotated Bibliography, all of the literature is listed year by year.

In the original Chinese web abstracts, the volume of journal is usually omitted (i.e., only shown by the published year and number). We followed this system.

II. Annotated Bibliography

1). Key to the Chinese Journals and Magazines

In each Chinese publication, an official English (or Latin in some journals) name was given at first. In some journals (including popular scientific magazines), proper translated English name for each of them was given in the square brackets ([ ]). Next to the English name, the Chinese name shown in Roman alphabet was given in the uniform bracket (< >).

[Abstracts of the Meeting of the Sixtieth Anniversary of the Chinese Zoological Society. September, 1994. Peking, China]. <Wénzhāi Huîbiān. Beijing>.
Acta Biologica Experimentalis Sinica. <Shyan Shengwu Xuebào>.
Acta Genetica Sinica. <Yizhuan Xuebào>.
Acta Hydrobologica Sinica. <Shuisheng Shengwu Xuebào>.
Acta Zoologica Sinica. <Dongwu Xuebào>.
Acta Zootaxonomica Sinica. <Dongwu Fenlei Xuebào>.
Amino Acids and Biotic Resources, China. <Qiqidòu hu Shengwu Yuan>.
[Animal Science and Animal Medicine]. <Dongwu Kexue yu Dongwu Yíxue>.
Annual Bulletin of the Society of Parasitology, Guangdong Province, China. <Guǎngdong Jishengchóng Xuekuai Nianbao>.
Biology Teaching. <Shengwuxue Jiàoxue>.
Bulletin of Biology. <Shengwuxue Tongbào>.
[Bulletin of Santong University, China]. <Shandong Daxue Xuebào>.
Carcinogenesis, Teratogenesis and Mutagenesis. <Áibian, Qibian,Tubian>.
Chinese Journal of Applied & Environmental Biology. <Yingyong xu Huanjing Shengwu Xuebào>.
Chinese Journal of Zoology. <Dongwuxue Zazhi>.
Chinese Repository. Guangtong. Cf. Culcutta Journal of Natural History.
[Chinese Science (Chungkuo K'ehsüeh), China]. <Zhongquo Kexue>.
[Commemorative Compilation of Papers Published on the Occasion of the 60th Anniversary of the Founding of Chinese Zoological Society, 1934-1994. September, 1994. Peking, China]. <Zhongguo Kexue-Jighu> Publisher, Peking, China.
Contributions from the Biological Laboratory of the Science Society of China. Vol. II. Zoological Series.
Contribution from the Institution of Zoology, National Academy of Peiping.
[Education and Science, China]. <Jiàoyù yu Kēxué>.
Environmental Science Survey. <Huanjing Kexue Daokan>.
Hereditas. <Beijing>.
Jiangsu Agricultural Science. <Jiangsu Hóngyé Kexue>.
Journal Biology. <Shengwuxue Zazhi>.
Journal of Fisheries of China. <Shuichan Xuebào>.
Journal of Fujian Normal University (Natural Science Edition). <Fujian Shifan Daxue

Xuebào (Ziran Kexue Ban)>.
Journal of Henan Normal University (Natural Science). <Henan Shifan Daxue Xuebào (Ziran Kexue Ban)>.
Journal of Jiaying University. <Jiaying Xueyuan Xuebào>.
Journal of Linyi Teachers' College. <Linyi Shifan Xueyuan Xuebào>.
Journal of Neijiang Teachers College. <Neijiang Shifan Xueyuan Xuebao>.
Journal of Ningde Teachers College (Natural Science). <Ningde Shifan Xuebào (Jiran Kexue Ban)>.
Journal of Shandong Education Institute. <Shandong Jiaou Xueyuan Xuebào>.
Journal of Shanxi Medical University. <Shanxi Yike Daxue Xuebào>.
Journal of Shenzhen University (Science & Engineering). <Zhenzhen Daxue Xuebào (Likeng Ban)>.
Journal of Taiyuan Teachers College (Natural Science Edition). <Taiyuan Shifan Zhuan Kexue Xuebào>.
[Journal of Yanan University (Natural Science)]. <Yanan Daxue Xuebào (Ziran Kexue Ban)>.
Journal of Zhangzhou Treachers College (Natural Science Edition)]. <Zhangzhou Shifan Xueyuan Xuebào (Ziran Kexue Ban)>.
Journal of Zhengzhou University of Light Industry (Social Science Edition). <Zhengzhou Gìnggongyè Xueyuan Xuebàn (Shekuai Kexue Ban)>.
National Tsing Hua University, Ser. B. Biological and Psychological Science. <Guoli Tsinghua Daxue Like Bàogao. Di Er Zhong: Shengwu Xue Xinli Xue>.
Nature-China.com. <Lùntán>.
Peking Society of Natural History Bulletin.
Sichuan Journal of Zoology. <Sichuan Dongwu Xuebao>.
[Territory and Natural Resources Study]. <Goutu yu Ziaran Ziyuan Yanjiu, Harbin>.
[Yunnan Environmental Science]. <Yunnan Huanjing Kexue>.
Uncertain Publication. [Publications from the Chemistry and Biology Department, Western Anhui University, Liu'an, China].

2). Key to the Journals and Magazines Published in the Other Countries

American Journal of Science (= Silliman's Journal of Science). USA.
American Naturalist. USA.
Annals and Magazine of Natural History. UK.
Annotationes Zoologicae Japonenses. Tôkyô, Japan.
Archiv für Hydrobiologie. Germany.
Belgian Journal of Zoology. Belgium.
Bulletin of the Biogeographical Society of Japan. Tôkyô, Japan.
Bulletin of Fuji Women's College. Series II. After 2002. Bulletin of Fuji Women's University. Series II. Sapporo, Japan.
Bulletin of Kyoto Gakugei University. Series B. Kyôtô, Japan.
Calcutta Journal of Natural History. India.
Commemorative Compilation of Scientific Papers Published on the Occasion of the Retirement of Professor Hisao Sugino at the Age of Sixty-Five. Series Turbellarians. Ôsaka, Japan.

Endemic Species Research. Jiji, Nantou, Taiwan.
Fauna and Flora Research Society. Kyôto, Japan.
Fortschritte de Zoologie / Progress in Zoology. Stuttgart, Germany.
GEN-YU's Files. Webpages. http://www2u.biglobe.ne.jp/~gen-yu . Tôkyô, Japan.
The Heredity (Iden). Tôkyô, Japan.
Hydrobiologia. Dordrecht, The Netherlands.
Japanese Journal of Zoology. Ôtsu, Japan.
Jenaische Zeitschrift fur Naturwissenschaft herausgegeben von der medizinisch-naturwissenschaftlichen Gesellschaft zu Jena. Germany.
Kawakatsu's Web Library on Planarians. http://victoriver.com . Sapporo and Kisaeazu, Japan.
Märkische Tierwelt. Berlin, Germany.
Memoirs of the Asiatic Society of Limnology. Ôtsu, Japan.
Memoirs of the Connecticut Academy of Arts and Sciences. USA.
Mitteilungen des Naturwissenschaftlichen Vereins fur Steiermark. Austria.
The Nature and Animals (Dôbutsu to Shizen). Tôkyô, Japan.
Occasional Publications, Biological Laboratory of Fuji Women's College, Sapporo (Hokkaidô), Japan.
Proceedings of the Academy of Natural Sciences of Philadelphia. USA.
Recods of the Indian Museumm. Culcatta, India.
[Report of the Limnological Survey of Kwantung and Manchoukuo] (=Kantôshû oyobi Manshû-koku Rikusui Seibutsu Choôsa-sho). Kyôto, Japan.
The Seventh International Symposium on the Biology of the Turbellaria. VII ISBT Abstracts. Åbo/Turku, Finland.
Shanghai Sizenkagaku Kenkyûsho Ihô. Tôkyô, Japan.
Shibukitsubo (Bulletin of the Niigata Shell Club). Nagaoka, Japan.
Silliman's Journal of Science. See American Journal of Science.
Sitzungsberichte der Mathematisch-Naturwissenschaftlichen Klassen der Akademie der Wissen- schaften. Wien, Austria.
Smithonian Contribution to Zoology. Washington, D.C., U.S.A.
Trudy Obshchestva Estestvoispytateleĭ pri Imperatorskom Kazanskom Universitetie. Kazan, Russia.
Verhandlungen von der Kaiserlich-Königlich zoologischen-botanischen Gesellschaft in Wien. Austria.
Welcome to 'planarian.net'! KAWAKATSU-&-SASAKI's Webpages on Planarians. Sapporo and Tôkyô, Japan. http://victoriver.com
Zological Magazine (Dôbutsugaku Zasshi). Tôkyô, Japan.
Zoologisca Bidrag fran Uppsala. Sweden.
Zoologischer Anzeiger. Germany,
Zoologische Jahrbücher, Abteilung für Systematik, Ökologie und Geographie der Tiere. Germany.
Zoological Science, Tôkyô. Japan.

3). Names of Chinese Persons

Usually, the name of Chinese person in Roman alphabets is shown by two or three or

more methods. For example, the followings are shown a single person (family name + personal name).

WANG An-Tai; WANG, An-tai; Wang, An-tai; Wang, Antai.

In the present Annotated Bibliography, <Wang, A.-T.> is employed.

4). Scientific Names of Taxa

For the <taxon search of "Turbellarians">, see the following Database.

Tyler, S., Schilling, S., Hooge, M. & Bush, L. F. (comp.) (2005). Turbellarian Taxonomic Database. Version 1.4. http://devbio.umesci.maine.edu/styler/turbellaria/ .

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1841

Cantor, T. E. (a) Conspects of collections made by Dr. Cantor, assistant surgeon, during his employment with H. M. 26th regiment on the expedition to China, 1840. Calcutta Jour. Nat. Hist., (5). Pages uncertain.

Cantor, T. E. (b) Conspects of collections made by Dr. Cantor, assistant surgeon, during his employment with H. M. 26th regiment on the expedition to China, 1840. The Chinese Repository, 10: 434-438.

The editor of the journal wrote (on p. 434): "This article first published in the Calcatta Journal of Natural History, No. 5, has been kindly forwarded to us, with a few corrections, by Dr. Cantor. It will form a valuable addition to previous article on Chusan."

On p. 436. "6. ANNULATA. *Hirudo officinalis*. Hirudo? (Head in the shape of a hammer. Also found by Mr. Griffith in the Naga hills in 1936.)"

1842

Cantor, T. E. General features of Chusan, with remarks on the Flora and Fauna of the Island. Ann. Mag. Nat. Hist., IX: 265-278; 361-371; 481-493.

On p. 490. "6. ANNELIDES. HIRUDINIDAE.
**Bdella lincata.* B. supernè brunneo-viridescens lineâ dorsali mediâ aurantiacâ, infrà griseo-flavescens. Greenish brown above, with an orange-colored dorsal line; beneath yellowish gray.

Theodore Edward Cantor (1809-1860) was a Danish naturalist. His species of

"Hirudo?" are now known to be bipaliids, or land planarians. Cf. Kawakatsu & Lue (1984); Lue & Kawakatsu (1986: 319); Sasaki (2001a, b). See also Ogren & Kawakatsu (1987); Kawakatsu, Ogren, Froehlich & Murayama (2001: 45).

1855

Stimpson, W. Description of some of the new marine invertebrate from the Chinese and Japanese Seas. Proc. Acad. Nat. Sci. Philad., 7: 375-384.

Eight species of polyclads from China were reported. Cf. Lue & Kawakatsu (1986: 319).

1857

Stimpson, W. Prodromus descriptions animalium evertebratorum quae in Expeditione ad Oceanum, Pacificum Septentrionalem a Repubulica Federata missa, Johanne Rodgers Duce, observavit et descripsit. Proc. Acad. Nat. Sci.. Philad., 9: 19-31.

Nine species of polyclads and 2 species of freshwater planarians from Hong Kong were reported. *Planaria Sinensis* (sic) seems to be *Dugesia japonica* Ichikawa et Kawakatsu, 1964. *Fovia graciliceps* is now classified as *Procerodes graciliceps* (Stimpson, 1857). Reidentification of Stimpson's the other species is impossible. Cf. Lue & Kawakatsu (1986: 319-320). For the reproduction of a part of the Chapter Geoplanidae, see Kawakatsu, Ogren & Froehlich (2000: 99-100).

1858-1859

Heine, W. Die Expedition in die Seen von China, Japan und Ochotsk unter Commande von Commondare Colin Ringgold und Commondare John Rodgers, in Auftrage der Regierung der Bereiningten Staaten unternommen in den Yahren 1853 bis 1856, unter Zuziebung der officiellen Autoritäten und Quellen. I: 326 pp.; II: 365 pp.; III: 376 pp. Hermann Gostenoble, Leipzig.

Some collecting sites of Chinese and Japanese Turbellarians listed by Stimpson (1855, 1857) were described by Heine (1858-1859). Cf. Lue & Kawakatsu (1996: 320). For the reproduction of the title page of the book, see Ogren, Kawakatsu & Froehlich (1997: Appendix IV on p. 101).

1860

Wright, E. P. Notes on *Dunlopea*. Ann. Mag. Nat. Hist., A, 6 (3): 54-56.

Cantor's (1842b) "*Hirudo*?" was described as "*Dunlopea Grayi*" (= *Bipalium grayi* (Wright, 1860)). Cf. Lue & Kawakatsu (1986: 320); Ogren, Kawakatsu & Froehlich (1997: 87). This uncertain bipaliid species is now classified as *Diversibipalium grayi* (Wright, 1860). Cf. Kawakatsu, Ogren, Froehlich & Sasaki (2002: 167).

1861

Stimpson, W. (a). On the genus *Bipaliura*. Amer. Jour. Sci., Arts. 2, Ser. 31 (=Silliman's Jour. Sci.): 134-135.

Cf. Lue & Kawakatsu (1986: 320); Ogren & Kawakatsu (1987: 79-81). For the reproduction of this paper, see Kawakatsu, Ogren & Froehlich (2000: 100-101).

Stimpson, W. (b). On the genus *Bipalium*. Ann. Mag. Nat. Hist., Ser. 3, VII: 231-232.

Cf. Lue & Kawakatsu (1986: 320). For the reproduction of this paper, see Kawakatsu, Ogren & Froehlich (2000: 101-103). For the short biography of William Stimpson (1832-1972), see Ogren & Kawakatsu (1968a: 15).

1862

Diesing, K. M. Revision der Turbellarien. Abt. Dendrocoelen. Sitzung. Math.-Natur. Cl. Akad. Wiss., Wien 44, I Abt., (Heft VI-X for 1861): 485-578.

Cf. Lue & Kawakatsu (1986: 320).

1866

Grube, E. Beschreibungen neuer von der Novara-Expedition mitgebrachter Anneliden und einer neuen Landplanarie. Verhandl. K. K. zool.-bot. Gesel. Wien, 16: 173-184.

Bipalium univittatum Grube, 1866 was described from South India. Cf. Ogren & Kawakatsu (1987: 105). Sabussowa (1925) described a new variety from Central China as *Bipalium univittatum* var. *subboreale*. However, Ogren & Kawakatsu (1987: 106) identified it as *Bipalium univittatum subboreale* Subussowa, 1925. Cf. Ogren , Kawakatsu & Froehlich (1997: 87). Ogren & Sluys (2001) classified *B. u. subboreale* as *Humbertium subboreale* (Sabussowa, 1925). *Bipalium univittatum* is now considered an Indian species. Cf. Kawakatsu, Ogren, Froehlich & Sasaki (2002: 167).

1896

Plehn, M. Neue Polycladen, gesammelt von Herrn Kapitän Chierchia bei der Erdumschiffung der Korvette Vettor Pisani, von Herrn Prof. Dr. Kükenthal im nördlichen Eismeer und von Herrn Prof. Dr. Semon in Java. Jenais. Zeitschr. Naturwiss. Gesel., 30: 137-176.

Cf. Lue & Kawakatsu (1986: 320-321).

1899

Graff, L., von. Monographie der Turbellarien. II. Tricladida Terricola (Landplanarien). Pp. i-ixv + 1-574. Atlas von Achtundfunfzig Tafeln zur Monographie der Turbellarien. II. Tricladida Terricolaalen (Landplanarien). Tafel. I-LVIII. Wilhelm Engelmann, Leipzig.

Cf. Lue & Kawakatsu (1986: 321). For the reproduction of the front covers of the books, see Ogren, Kawakatsu & Froehlich (1997: Apendix V on p. 102); Kawakatsu & Ogren (1998: 1).

1911

Meixner, A. & Muth, A. Report on a collection of aquatic animals made in Tibet by Captain F. H. Stewart, I.M.S., during the year 1907. Part 3. Turbellaria and summary. Rec. Ind. Mus., 6: 57-65 + pl. 4.

Captain F. H. Stewart's Collection was studied. Meixner & Muth (1911) identified *Mesostoma craci* Schmidt, 1858 from Mang-Tsa and *Sorocelis* sp. from Tsuang, Tering Gompa and High Hill Gompa. Cf. Lue & Kawakatsu (1986: 320-321).

Stewart, F. H. List of the aquatic animals hitherto recorded from the provinces of Tsang and U in Central Tibet, with a table showing their geographical distribution. Rec. Ind. Mus., 6: 67-72. Cf. Lue & Kawakatsu (1986: 320).

Cf. Lue & Kawakatsu (1986: 321).

Zabusov, I. P. (=Sabussow, H.; Zaboussoff, H.). Izsliedovanii po morfologii i sistematikie planarii ozera Baikala. I. Rod *Sorocelis* Grube (Untersuchungen uber die Morphologie und Systematik der Planarien aus dem Baikalsee. I. Die Gattung *Sorocelis* Grube). Trudy Obshch. Estestvoisp. Imp. Kazan Univ., 43 (4): 1-422 + 1-8 + 1-2 + Taf. I-X.

Two species of freshwater planarians from Tibet were described: *Sorocelis koslowi* Zabusov, 1911 (on pp. 345-349) and *Sorocelis tibetica* Zabusov, 1911 (on pp. 349-350). The former is now known as *Polycelis koslowi* (Zabusov, 1911) and the latter, *Polycelis tibetica* (Zabusov, 1911), is species inquirenda. Cf. Kenk (1974: 55, 57).

1912

Muth, A. Beitrage zur Kenntnis der Gattung *Sorocelis* Grube. Mitteil. Naturwiss. Ver. Steiermark, 8: 381-410.

Captain F. H. Stewart's collection of *Sorocelis* sp. was studied. It is now classified as a synonym of *Polycelis tibetica* Hyman, 1934, a freshwater triclad from Indian Tibet. Cf. Liu & Kawakatsu (1986: 321).

1913

Bock, S. Studien über Polycladen. Zool. Bidrag. Uppsala, 2: 31-344.

He described 2 species of polyclad from Hong Kong and off Fou-Chow of the Formosa Strait. Cf. Lue & Kawakatsu (1986: 320).

Gravely, F. H. Temnocephalidae. Rec. Ind. Mus., 8: 229-232 + pl. XIV.

Cocoons of Chinese *Temnocephala semperi* (Weber, 1889)? were found from the preserved samples of the host river crab *"Potamon andersonianum"* (loc. Yunnan, China; the Indian Museum Collection).

Cf. Chauhan & Ramakrishna (1953). See also Kawakatsu, Gelder, Ponce de León, Volonterio, Wu, Nishino, Ohtaka, Niwa, Fujita, Urabe, Sasaki, Kawakatsu (M.-y.) & Kawakatsu (T.) (2007: 24).

1917

Kemp, S. Notes on Crustacea in the Indian Museum. XI. Atydae of the genus *Paratya* (=*Xiphocarldina*). Rec. Indian Mus., XIII: 203-306.

1918

Arndt, W. Zur Kenntnis Verbreitung von *Planaria alpina* Dana. Zool. Anz., 50: 100-105.

Arndt (1918) reported the occurrence of '*Planaria alpina* Dana' in the vicinity of Manchuli, on the western side of the Tai-Hsing-An-Ling in the Northeast of China. Since *Crenobia alpina* (Dana, 1776) is a species distributed only in Europe and Asia Minor, his form is a species inquirenda. Cf. Lue & Kawakatsu (1986: 321).

Kemp, S. Zoological results of Decapoda and Stomatopoda. Mem. Asiat. Soc. Bengal, Part VI: 218-297.

In the section of *Caridinicola enticulate* (de Haan), Kemp (1918: 289) wrote: "The parasitic Temnocephalid, *Caridinicola*, was very abundant on the Chinese specimens." Cf. Kawakatsu, Gelder, Ponce de Leon, Volonterio, Wu, Nishino, Ohtaka, Niwa, Fujita, Urabe, Sasaki, Kawakatsu (M.-y.) & Kawakatsu (T.), 2007: 9.

1922

Kaburaki, T. Notes on some terrestrial planarians. Annot. Zool. Japon., 10: 155-159.

A taxonomic redescription of a Chinese land planarian, *Bipalium cantori* (Wright, 1860), was given based upon the samples collected from Soochow (=Suzhou), near Shanghai, the eastern part of China. This misidentified species was described as *Bipalium kaburakii* Kawakatsu, Sluys & Ogren, 2005. Cf. Kawakatsu & Sasaki (2004); Kawakatsu, Sluys & Ogren (2005: 62-63).

1925

Sabussowa, Z. Drei neue Arten von Landplanarien. Zool. Jahrb, Abt. Syst., Geogr. Biol. Tiere, 50: 283-298 + Taf. 6.

Bipalium univittatum var. *subboreale* n. var. was described from the basin of Jang-tsez-kjang, a tributary of the By'tschju, Ch'inghai Hsing in Central China. See 'Explanatory Note for Grube (1866)' in the present web article.

1930

Lin, S.-W. A new technique for planaria. Peking Soc. Nat. Hist. Bull., 4, Part IV: 99-101.

Judging from the figure, the sample used seems to be *Dugesia japonica* Ichikwa et Kawakatsu, 1964.

1931

Ping, C. Preliminary notes on the fauna of Nanking. Contr. Biol. Lab. Sci. Soc. China, 7, Zool. Ser., 7, (4): 173-201.

Three planarian species were reported from Nanking (=Nanjing) in the Eastern China. They are: non-identified 2 freshwater planarians and a single land planarian species of the genus "*Placocephalius*". The latter is a bipaliid species with a dark median line on the dorsal surface. It should be listed as *Diversibipalium* sp.

1934

Hsiao, S. D. (=Hsiao, C.-D.). A preliminary study of the seasonal change in the reproductive system of *Planaria gonocephala* Dugès. Peking Nat. Hist Bull., 9, Part 3: 161-169 + pl. (In English, with Chinese abstract.)

The samples used were collected from a spring in the campus of the Tsing Hua University, Beijing (=Peking). Judging from the schematic figures of the copulatory apparastus (Pl. figs 4 and 5), the animal is *Dugesia japonica* Ichikawa et Kawakatsu, 1964.

Hyman, L. H. Report on triclad Turbellaria from Indian Tibet. Mem. Conn. Acad., 10, Art. II: 5-12 + pls. I-II.

Polycelis tibetica Hyman, 1934 was described from Indian Tibet. The species is now known as *Polycelis kashmirica* Liu, 1993. Additionally, "*Polycelis kashmirica* (Hyman, 1934)" is a wrong expressin (i.e., unallowable rejection). Cf. Liu (1993: 181-182); Kawakatsu (1994: 54, 64-67). See also 'Explanatory note of Zabusov (1911)' in the present web article.

Li, J.-C. & Shen, S.-C. Some experiments on the rate of regeneration of planaria. Peking. Nat. Hist. Bull., 9, Part 1: 45-56 + pl. I.

The samples used were collected from a stream running through the campus of the Tsing Hua University, Beijing (=Peking). See 'Explanatory note of Hsiao (1934)' in the present web article.

Read, B. E. Chinese Materia Medica, 7. Dragons and snakes. Peking Soc. Nat. Hist Bull., 8: 297-362.

Tu, T.-J. Notes on some Turbellarians from the Tsing Hus Campus. Sci. Rep. Nat. Tsing Hua Univ., 1, B, Biol. Psychol. Sci.: 191-205 + pls. I-III.

Six species of freshwater microturbellarians (including 2 new species) and 1 triclad species were reported from a pond and streams in the campus of the Tsing Hus University, Beijing (=Peking). They are: *Stenostomum leucops* (Dugès, 1828); *Stenostomum tsinghuaensis* Tu, 1934; *Stenostomum brevipharyngium* Kepner et Carter, 1931; *Microstomum lineare* (Müller, 1774); *Macrostomum intermedium* Tu, 1934; *Gyratrix hermaphroditus* Ehrenberg, 1831; *Planaria gonocephala* (Dugès, 1830).

Judging from the schematic figures of the copulatory apparastus of the last-mentioned planarian (pl. III, figs 1 and 2), it is *Dugesia japonica* Ichikawa et Kawakatsu, 1964. For the Chinese translation of Tu's (1934) paper, see Liu (1993: 1-12).

1936

Lee, L.-Y. On a new and a rare Trematoda. Contr. Inst. Zool. Nat. Acad. Peiping, (13): 123-132 + pls. IX-X. (In English, with Chinese abstract.)

Temnocephala semperi (Weber, 1889) from Fúzhōu (=Foochow; Fuohou) was reported. Cf. Kawakatsu, Gelder, Ponce de León, Volonterio, Wu, Nishino, Ohtaka, Niwa, Fujita, Urabe, Sasaki, Kawakatsu (M.-y.) & Kawakatsu (T.)(2004: 24).

1938

Tu, T.-J. (a). Über das Vorkommen von *Euplanaria tigrina* (Girard) in der Umgebung von Berlin. Zool. Anz., 124: 81-85.

The correct scientific name of the species used is *Girardia tigrina* (Girard, 1850).

Tu, T.-J. (b). Über die jahreszeitliche Veranderung der Geschlechtsorgane von *Euplanaria gonocephala* (Dugès). Ein Vergleich dieser Verhältnisse im Fernen Osten und in Europa. Arch. Hydrobiol., 33: 137-154.

The samples used were collected from " …. eine in den Gewässern der näheren Umgebung Peiping …." Thus, it is undoubtedly *Dugesia japonica* Ichikawa et

Kawakatsu, 1964.

1939

Okugawa, K. (=Okugawa, K. I.) Probursalia (Tricladda-Paludicola) of Manchoukuo. Annot. Zool. Japon., 18: 155-164 + pl. 7.

Four species (including 2 new species) of freshwater planarians were reported from the northeastern part of China. They are: *Euplanaria gonocephala* (Dugès, 1830) from the Kwantung (=Kuantung; Guāndōng); *Phagocata uénoi* Okugawa, 1939 from the Non-Ho River in the Northwestern part of the Great Khingan Range; *Phagocata miyadii* Okugawa, 1939 from a cool spring near the bank of Lake Ching-po-Hu (ca. 150km SE of Haerh-pin, or Harbin). *Phagocata* sp. was recorded from the Small Khingan Mountains.

Phagocata miyadii is a synonym of *Phagocata vivida* (Ijima et Kaburaki, 1916). *Phagocata* sp. may also be the same. Although there is a very fair possibility that *Phagocata uenoi* is conspecific with *Ph. vivida*, the final judgement must await future study.

For the taxonomic study of *Ph. vivida* and its geographical distribution, see the following papers.

Kawakatsu & Liu (1987); Kawakatsu, Oki, Tamura, Takai, Timoshkin & Porfirjeva (1993);. Kawakatsu, Timoshkin, Porfirjeva & Takai (1993, 1994); Kawakatsu & Timoshkin (1995); Sluys, Kawakatsu & Timoshkin (2001).

Tu, T.-J. Über das Vorkommen der Strudelwürmer *Jijimia (Polycelis) tenuis* (Jijima) und *Policelis nigra* (Ehrenberg) in der Umgebung von Berlin. Märkische Tierwelt, 4 (1): 69-86.

"*Jijimia*" and "(Jijima)" should read *Ijimia* and (Ijima), respectively.

Tu, T.-J. Über die Verbreitung von *Jijimia (Pol.) tenuis* (Jijima) und *Polycelis nigra* (Ehrbg.) in Deutschland. Arch. Hydrobiol., 35: 46-58.

"*Jijimia*" and "(Jijima)" should read *Ijimia* and (Ijima). "(Ehrbg.)" should read (Ehrenberg).

1940

Okugawa, K. (=Okugawa, K. I.) [Probursalia of Manchoukuo]. In: [Reports of the Limnological Survey of Kwantung and Manchoukuo], pp 437-444. Kyôto. (In Japanese.)

This is a Japanese version of the original English paper by Okugawa (1939). See

‘Explanatory note of Okugawa (1939) in the present web article.

Tu, T.-J. Geschichtlicher Überblick über das Studium der Turbellarien in Ostasien und Stand unserer Kenntnisse von diesen. Zool. Jahrb. Abt. Syst., 73: 201-260.

This was an important monograph on Turbellaria distributed in SE Asiatic countries when it was published. Its contents are already classical. Note many misidentified species and wrong scientific names.

1944

Katô, K. On some Turbellarians from Hangchow. Reports on the Liminological Survey of Central China. XVIII. Shanghai Sizenkagaku Kenkyūsyo Ihō, 14 (5): 357-359. (In Japanese.)

Occurrences of asexual specimens of *Dugesia* sp. were reported from Hangchow in the Chekiang (Shijiang) Province in Eastern China.

1945

Kiang, H. M. & Chow, P. S. A note on lateral piece regeneration in *Planaria gonocephala*. Amer. Naturalist, 79: 474-478.

The locality of their samples used is not given. Since these authors were studied at the National University of Chekiang in Eastern China, their sample may be *Dugesia japonica* Ichikawa et Kawakatsu, 1964.

1949

Tu, T.-J. [Planarians and their reproduction]. Educ. & Sci., China, 2 (6): 1-3. (In Chinese.)

This is a popular scientific article. For the Chinese reproduction of this paper, see Liu (1993: 29-31).

1950

Chou, P.-H. & Chiang, H.-M. [Study on the supernumerary eyes of planaria]. Chinese Sci., 1 (2-4): 417-425. (In Chinese.)

The supernumerary eyes were observed in specimens *‘Planaria gonocephala’* collected from Mai’tan (Kuichou-sheng) and K’angchou (Kangchow)(Shihchiang-Shêng) localities, China. The Chinese samples used seem to be *Dugesia japonica* Ichikawa et Kawakatsu, 1964.

Katô, K. [On some Turbellarians from Sanshi, North China]. Zool. Mag., Tôkyô, 59: 188-190. (In Japanese.)

Katô (1950) reported the following 3 triclad species from Sanshi (=Shanxi) Province in Eastern China.

1. *Dugesia gonocephala* (Dugès, 1830). Judging from 2 schematic figures of the copulatory apparatus (figs 1 and 2), the sample is *Dugesia japonica* Ichikawa et Kawakatsu, 1964.
2. *Polycelis* sp. Undescribed species.
3. *Bipalium cantori* (Wright, 1860). This misidentified land planarian species was described as *Bipalium katoi* Kawakatsu, Sluys et Ogren (2005: 63-64). Cf. Kawakatsu & Sasaki (2004); Kawakatsu, Sluys & Ogren (2005: 63-64). See an 'Explanatory note of Kaburaki (1922)' in the present web article.

1953

Chauhan, B. S. & Ramakrishnan, G. *Temnocephala semperi* Weber, 1890 from the Narmada River, with a note on other temnocephalid of India, Calcutta. Rec. Ind. Mus., 51: 421-425.

The Yunnan record of *Temnocephala semperi* is based upon the cocoons attached to the preserved samples of the host crab *"Potamon andersonianum"* (the Indian Museum Collection). Cf. Gravely (1913). See also Kawakatsu, Gelder, Ponce de Leòn, Volonterio, Wu, Nishino, Ohtaka, Niwa, Fujita, Urabe, sasaki, Kawakatsu (M.-y.) & Kawakatsu (T.) (2007: 24).

Okugawa, K. I. A monograph of Turbellaria (Acoela, Rhabdocoela, Alloeocoela and Tricladida) of Japan and its adjacent regions. Bull. Kyoto Gakugei Univ., B (3): 20-43.

This monograph is already classical. Note the misidentified species and wrong scientific names.

1956

Huang, S. & Tu, T.-J. The distribution and the seasonal change in the reproductive organ of *Euplanaria gonocephala* (Dugès) in Kunming and its vicinity. Bull. Santong Univ., 2 (4): 104-118. (In Chinese, with English summary.)

The sample used seems to be *Dugesia japonica* Ichikawa et Kawakatsu, 1964. For the Chinese reproduction of this paper, see Liu (1993: 104-118). Cf. Kawakatsu & Liu (1987: 44-45, fig. 1); Kawakatsu (1994: 52-53, fig. 3).

1959

Tu, T.-J. & Po, H.-K. [Distribution of *Dugesia (=Euplanaria) gonocephala* (Dugès) in China

and Korea]. Chinese Jour. Zool., 9: 416-419. (In Chinese.)

The *Dugesia* species distributed widely in China and the Korean Peninsula is *Dugesia japonica* Ichikawa et Kawakatsu, 1964. Cf. Ichikawa & Kawakatsu (1964); Kawakatsu, Oki, Tamura & Sugino (1976): Kawakatsu & Liu (1987: 46, fig. 2). For the Chinese reproduction of this paper, see Liu (1993: 60-64).

1964

Ichikawa, A. & Kawakatsu, M. (a). Report on freshwater planaria from North-east Nepal. Zool. Mag., Tôkyô, 73: 27-31. (In Japanese, with English summary.)

Polycelis sp. was reported from a cold-water brook near the Nupchu Glacier, Kangbachen in Northeastern Nepal (alt. 4100m). Comparative taxonomic discussion of *Polycelis* species from Nepal and China (Tibet) is given. Cf. Kawakatsu, Yoneda & Murayama (1996 a, b)

Ichikawa, A. & Kawakatsu, M. (b). A new freshwater planarian, *Dugesia japonica*, commonly but erroneously known as *Dugesia gonocephala* (Dugès). Annot. Zool. Japon. 37: 185-194.

The species described and recorded from Japan (including the Loochow, or Okinawa, Islands), Korea, China (including Kwantung and South Manchuria) under the name *Dugesia ("Planaria; =Euplanaria) gonocephala* (Dugès, 1830) is a synonym of *Dugesia japonica* Ichikwa et Kawakatsu, 1964 (cf. Ichikawa & Kawakatsu, 1964b: 187; slightly modified).

The principal papers on the taxonomy, distribution and karyology of *D. japonica* are: Kawakatsu, Oki, Tamura & Sugino (1976); Kawakatsu, Tamura, Sekiguchi & Ogren (1987); Kawakatsu, Oki, Tamura, Ogren, Yamada & Murayama (1990); Kawakatsu, Oki, Tamura, Takai, Timoshkin & Porfirjeva (1993); Kawakatsu, Oki & Tamura (1993, 1995); Kawakatsu, Oki, Tamura, Takai, Yamamoto, Nishino, Timoshkin, Kuznedelov & Sluys (1996); Tamura, Oki & Kawakatsu (1988, 1991, 1995); Tamura, Yamamoto, Takai, Oki & Kawakatsu (1998).

Additional Note. For the taxonomy of *Dugesia ryukyuensis* Kawakatsu, 1976, see Kawakatsu, Oki, Tamura & Sugino (1976); Kawakatsu, Oki, Tamura, Takai, Timoshkin & Porfirjeva (1993).

1967

Ichikawa, A. & Kawakatsu, M. Report on freshwater planaria from the East China Sea area. Nature and Life in Southeast Asia, V: 175-188.

Dugesiid samples collected from Okinawa in South Japan, Taiwan (asexuals specimens only), South Korea, and China (Hangchow) were identified as *Dugesia japonica*

Ichikawa et Kawakatsu, 1964. Comparative genital anatomy of the samples examined was given.

Additional Note. It became clear that the Adaniya specimens (Okinawa) studied were a different species. It is now known as *Dugesia ryukyuensis* Kawakatsu, 1976. Cf. Kawakatsu, Oki, Tamura & Sugino (1976); Kawakatsu, Oki & Tamura (1993)

1969

Kawakatsu, M. A list of publication on Japanese Turbellarians (1968) --- Including titles of publications on foreign Turbellarians written by the Japanese authors ---. Bull. Fuji Women's College, (7), II: 23-43. (Both in Japanese and English.)

The Part II of this paper (pp. 30-48, pls I-VII) is as follows: Part II. On some old records on Turbellarians found in the Japanese books printed with woodblock.

1971

Kawakatsu, M. Problems on the morphological variation and the physiological races of a Japanese freshwater planarian, *Dugesia japonica* Ichikawa et Kawakatsu, 1964. Commem. Compilat. Sci. Papers Publ. Occas. Ratirem. Prof. Hisao Sugino at the Age of Sixty-five. Ser. Turbellarians: 43-52. (In Japanese, with English summary.)

Schematic figure of the copulatory apparatus of the Chinese specimen of *Dugesia japonica* Ichikawa et Kawakatsu, 1964 from Hangchow, Eastern China, is shown (on p. 49, fig 4C).

1973

Kawakatsu, M. [Taxonomy and ecology of planarians, 1-4] Nature and Animals (Dôbutsu to Shizen), 3 (5): 9-16 + prefatory page; 3 (6): 11-16; 3 (7): 8-11; 3 (8): 7-13. (In Japanese.)

A figure of a land planarian reproduced from a wood-block book of Materia Medica (1713) was given.

1974

Kenk, R. Index of the genera and species of the freshwater triclads (Turbellaria) of the world. Smithsonian Contrib. Zool., (183): i-ii + 1-90.

1975

Kawakatsu, M. & Wong, M.-H. The freshwater planaria from Hong Kong. Annot. Zool. Japon., 48: 262-273.

The occurrence in Hong Kong (=Xiănggāng) of a freshwater planarian species *Dugesia japojnica* Ichikawa et Kawakatsu, 1964 was reported. A taxonomic revision of every known record of *Dugesia (=Planaria; =Euplanaria)* species in China was also given.

1976

Kawakatsu, M., Oki, I., Tamura, S. & Sugino, H. Studies on the morphology, karyology and taxonomy of the Japanese freshwater planarian *Dugesia japonica* Ichikawa et Kawakatsu, with a description of a new subspecies *Dugesia japonica ryukyuensis* subsp. nov. Bull. Fuji Women's College, (14), II: 81-126.

The taxonomic revision of *Dugesia japonica* Ichikawa et Kawakatsu, 1964 based upon the morphological, anatomical and karyological data was given. A detailed redescription of Hangchow specimens of *D. japonica* was also given (pp. 102-103, 109, figs 13 and 14). Cf. Ichikawa & Kawakatsu (1967).

Although *Dugesia japonica ryukyuensis* Kawakatsu, 1976 was described as a new subspecies, this subspeciesis now known as a different species *Dugesia ryukyuensis* Kawakatsu, 1976. Cf. Kawakatsu, Oki & Tamura (1993). See 'Explanatory note of Ichikawa & Kawakatsu (1964)' in the present web article.

1980

Hsu, P.-K., Li, D.-N. & Xu, S.-E. Human case of *Bipalium* infection (Abstract). [On a human case of *Bipalium* infection (Abstract)]. Ann. Bull. Soc. Parasitol. Guangdong Province, China, 2: 154-155. (In Chinese, with English summary.)

In October 1979, a *Bipalium* sp. (the sample consists of 7 pieces, ca. 20 cm in total length) was removed from the external auditory hiatus of a right ear of the 9-years-old boy at the Zhongghan Medical College Hospital, Guangdong Province in Southeastern China. Cf. Kawakatsu (1992: 26); Li, D.-N. (1993).

Oki, I., Tamura, S., Yamayoshi, T. & Kawakatsu, M. Karyological and taxonomic studies of *Dugesia japonica* Ichikawa et Kawakatsu in the Far East. Preprint of a paper given at the Third International Symposium --- The Biology of the Turbellaria in Honor of Prof. Tor G. Karling, Hasselt (Diepenbeek), Belgium, August 10-15, 1980. Occ. Publ. Biol. Lab. Fuji Women's College, Sapporo (Hokkaidô), (2): 1-23.

Definite data on chromosomal studies of *Dugesia japonica* Ichikawa et Kawakatsu, 1964 were given. See 'Explanatory note of Ichikwa & Kawakatsu (1964b)' in the present article.

1981

Oki, I., Tamura, S., Yamayoshi, T. & Kawakatsu, M. Karyological and taxonomic studies of *Dugesia japonica* Ichikawa et Kawakatsu in the Far East. Hydrobiologia, 84: 53-68.

A review of previous studies on the taxonomy, karyology and chorology of a polymorphic species *Dugesia japonica* Ichikawa et Kawakatsu, 1964 from the Far East was presented. See 'Explanatory note of Ichikawa & Kawakatsu (1964b)' in the present web article. See also Kawakatsu, Oki, Tamura & Sugino (1976); Kawakatsu, Oki & Tamura (1993).

1983

Kawakatsu, M. [Notes on land planarians]. Heredity (Iden), Tôkyô, 37 (9): 52-61. (In Japanese.)

Photographs of bipalid land planarians reproduced from several manuscripts and woodblock books of Materia Medica were cited.

1984

Kawakatsu. M. & Lue, K.-Y. History of the study of Turbellaria in China. Part 2. Age of studies by Japanese and Chinese turbellariologitst. Bull. Fuji Women's College, (22), II: 105-117.

For the 'Part 1' of this serial publications, see Lue & Kawakatsu (1986).

Kawakatsu, M., Tamura, S. & Lue, K.-Y. Preprint of papers given at the fourth International Symposium on the Turbellaria, New Brunswick, Canada. Occ. Publ., Biol. Lab. Fuji Women's College, Sapporo (Hokkaidô), Japan, (12): 1-20.

Reproduced photographs of covers and planarian figures of Chinese and Japanese Marteria Meduca were shown (on pp. 13-19).

Wong, G.-Z. [Collection and culture of *Paramcium*, *Hydra* and planaria]. Chinese Jour. Zool., for 1984 (2): 40-41. (In Chinese.)

Chinese samples of freshwater planarian species are shown as *"Planaria gonocephala"*. It is undoubtedly *Dugesia japonica* Ichikawa et Kawakatsu, 1964. See 'Explanatory note of Ichikawa & Kawakatsu (1964b)' in the present web article.

1986

Lue, K.-Y. & Kawakatsu, M. History of the study of Turbellaria in China. Part 1: Ages of Materia Medica and early expeditions by westerners. Hydrobiologia, 132: 317-322.
The history of the study of Turbellarians in China and Japan through the early twenties Century was reviewed. For the 'Part 2' of this seriasl publications. See Kawakatsu & Lue (1984). See also Kawakatsu & Liu (1987).

Sugino, H., Kawakatsu, M., Lue, K.-Y., Katayama, A. & Corrêa, D. D. The evolution theory

of an ancient Chinese thinker, Zhuāng-Zǐ (Zhou Zhuāng). Occ. Publ., Biol Lab. Fuji Women's College, Sapporo (Hokkaidô), Japan, (16): 1-8. (In English, with Portuguese resume.)

A new English explanation of an ancient Chinese thinking was given. It will be helpful for the understanding of Chinese Materia Medica.

1987

Kawakatsu, M. & Liu, D.-Z. History of the study of Turbellaria in China. Part 3. Supplementary notes on the turbellariology in the People's Republic of China. Bull. Fuji Women's College, (25), II: 39-54.

The present status of turbellarian studies in China was reviewed after the 1930's to the 1960's. Especially, Dr. Tseng-Jui Tu's serial Chinese articles (1949-1965) were reviewed in detail. Sketch maps showing the distribution of freshwater planarians in China and the Korean Peninsula based upon the latest data were given (pp. 44-47, figs. 1 and 2).

Kawakatsu, M., Oki, I., Tamura, S., Sekighchi, K. & Ogren, R. E. Preprint of papers given at the Fifth International Symposium on the Turbellaria, Göttingen, Bundesrepublick Deutschland, August 9-14, 1987. Occ. Publ., Biol. Lab. Fuji Women's College, Sapporo (Hokkaidô), Japan, (18): 1-24.

Karyological and taxonomic data of *Dugesia japonica* Ichikawa et Kawakatsu, 1964 were presented. See 'Explanatory note of Ichikawa & Kawakatsu (1964b)' in the present web article. See also Kawakatsu, Oki, Tamura & Sugino (1976): Kawakatsu, Oki & Tamura (1993).

Ogren, R. E. & Kawakatsu, M. Index to the species of the genus *Bipalium* (Turbellaria, Tricladida, Terricola). Bull. Fuji Women's College, (25), II: 79-119.

Records of bipalid land planarian species from China are included.

1988

Liu, D.-Z. [Freshwater planarians of Heilongjiang Province, Northeastern China]. [Territory and Natural Resources Study], (40), for 1988 (4): 17, 47-48. (In Chinese.)

The 5 species of freshwater planarians were tentatively reported. They are: *Phagocata vivida* (Ijima et Kaburaki, 1916); *Phagocata miyadii* Okugawa, 1939; *Phagocata uenoi* Okugawa, 1939; *Bdellocephala* sp.: *Dendrocoelopsis lactea* Ichikwa et Okugawa, 1958.

For *"Ph. miyadii"* and *"Ph. uenoi"*, see 'Explanatory note of Okugawa (1939)' in the present web article. *"Den. lactea"* is a misidentification.

For the Chinese reproduction of this paper, see Liu (1993: 124-125). Cf. Kawakatsu (1994: 47, 50).

Ogren, R. E. & Kawakatsu, M. Index to the species of the genus *Bipalium* (Turbellaria, Tricladida, Terricola): Additions and corrections. Occ. Publ., Biol. Lab. Fuji Women's College, Sapporo (Hokkaidô), Japan, (19): 1-16.

Explanations of several old papers on bipalid land planarians were given (Stimpson, 1857, 1861a, b; Loman, 1888; Mell, 1903; Müller, 1902a, b, 1907a, b). For short biographies of William Stimpson (1832-1872) and Henry Nottidge Moseley (1844-1891), see p. 15.

Tamura, S., Oki, I. & Kawakatsu, M. Karyological and taxonomic studies of *Dugesia japonica* from the Southwest Islands of Japan. Fortschr. Zool./ Progress Zool., 36: 123-128.

A review was given on the karyological and taxonomic data of *Dugesia japonica* Ichikawa et Kawakatsu, 1964 from Tane-ga-shima Island, Yakushima Island and Okinawa Island. The data of *Dugesia ryukyuensis* Kawakatsu, 1976 are included.

See 'Explanatory Note for Ichikawa & Kawakatsu (1964b) in the present web article. See also Kawakatsu, Oki, Tamura & Sugino (1976); Kawakatsu, Oki & Tamura (1993).

1989

Liu, D.-Z. [Method of collecting, culturing and regeneration experiments for planarians]. Chinese Jour. Zool., 24 (2): 26-28. (In Chinese.)

General methods for collecting, culturing and regenerative experiment of Chinese freshwater planarians were given.

For the Chinese reproduction of this popular scientific article, see Liu (1993: 126-128). Cf. Kawakatsu (1994: 47, 50).

Liu, D.-Z. [Freshwater planarian (Tricladida) of China]. Chinese Jour. Zool., 1989, 24 (6): 31, 38-43. (In Chinese.)

The status of Chinese freshwater planarian fauna was given.

For the Chinese reproduction of this paper, see Liu (1993: 130-136). Cf. Kaswakatsu (1994: 47, 50).

Liu, D.-Z. A preliminary introduction to the freshwater triclads of China. Bull. Biol., China, (9): 10, 38. (In Chinese, with English title only.)

For the Chinese reproduction of this paper, see Liu (1993: 137-138). Cf. Kawakatsu

(1994: 47, 50).

1990

Ji, B.-Q. & Yang, X.-F. [The first record of a land planarian from Henan in Northern China: *Bipalium* sp.]. Jour. Henan Normal Univ. (Nat. Sci.) for 1990 (2): 110. Cited: Web abstract in Chinese only.
http://engine.cqvip.com/content/q/92851x/1990/000/002/zk06_q6_277627.pdf

This unidentified bipaliid species from Henan, China, should be recorded as *Diversibipalium* sp. of Henan, China.

Kawakatsu, M., Oki, I., Tamura, S., Ogren, R. E., Yamada, T. & Murayama, H. Preprint of papers given at the Sixth International Symposium on the Turbellaria, Hirosaki, Japan, August 7-12, 1990. Occ. Publ. Biol. Lab. Fuji Women's College, Sapporo (Hokkaidô), Japan, (22): 1-16.

The karyological and taxonomic data of *Dugesia japonica* Ichikawa et Kawakatsu, 1964 and *Dugesia ryukyuensis* Kawakatsu, 1976 were presented, together with the comprehensive data of their geographical diustribution.

See 'Explanatory note of Ichikawa & Kawakatsu (1964b)' in the present web article. See also Kawakatsu, Oki, Tamura & Sugino (1976); Kawakatsu, Oki & Tamura (1993).

Adittionally, 8 palaeogeographical maps of the Far East were added (100, 50, 10, 5, 1.5, 1, and 0.1-0.2 milion years ago, respectively).

Liu, D.-Z. On the discovery of the family Dendrocoelidae and *Phagocata vivida* from China. [On a discovery of the family Dendrocoelidae and *Phagocata vivida* from China]. Acta Zootax. Sinica, 15, for 1990 (1): 124-127. (In Chinese, with English summary.) See also web abstract in Chinese only.
http://engine.cqvip.com/content/citation.dll?id=239844&SUID=

Three species of freshwater planarians were reported from the Northeastern China (lat. 41°-49°N). They are: *Phagocata vivida* (Ijima et Kaburaki, 1916), *Dendrocoelopsis lactea* Ichikawa et Okugawa, 1958 and *Bdellocephala* sp. *"Den. lactea"* is a misidentification.

For the Chinese reproduction of this paper, see Liu (1993: 139-141). Cf. Kawakatsu (1994: 47, 51).

Liu, D.-Z. [Why the species name of a Chinese freshwater planarian with a triangular head needs a correction?]. Bull. Biol., 1970 (7): 33. (In Chinese.)

It was confirmed that *Dugesia japonica* Ichikawa et Kawakatsu, 1964 is a single and common freshwater planarian species distributed widely in China.

For the Chinese reproduction of this paper, see Liu (1993: 142). Cf. Kawakatsu (1994: 47, 51).

Matjašič, J. Monografija Družine Scutariellidae (Turbellaria, Temnocephalida). Slovenska Akademija Znanosti in Umetnosti, Razred za Naravoslovne Vede Classis IV: Historia Naturalis, 28, Znanstvenoraziskovalni Center Sazu, Biološki Inštitut Jovana Hadžija, 9, pp. 1-166 (+ pls. 1-29). Ljubljana.

Matjašič (1990: 71-73, fig. 31 A-C) described *Caridinicola sinica* sp. nov. from the Lijiang River, Autonomous Province Guanxi (=Guǎngxi, Kuanghsi, Kwangsi) Zhung, SW of China. Host: *Caridina* sp. Kawakatsu (1998b) treated 'Caridinicola sinica' as a synonym of *Scutariella japonica* (Matjasic, 1990). Cf. Kawakatsu (1998b: 73-74, pl. I). See also Kawakatsu, Gelder, Ponce de Leòon, Volonterio, Wu, Nishino, Ohtaka, Niwa, Fujita, Urabe, Sasaki, Kawakatsu (M.-y.) & Kawakatsu (T.): 23.

1991

Liu, D.-Z. & Li, G.-P. The rescue and protection of cold-water spring rivers and thieir inhabitats in China. Territ. Nat. Res. Stud., for 1991, (3): 50-55. (In Chinese, with English title only.)

The protection of cold-water spring rivers and their inhabitants in China is necessary. For the Chinese reproduction of this paper, see Liu (1993: 149-152). Cf. Kawakatsu (1994: 47, 51).

Li, D.-N. & Liu, Q.-W. [A second case of a sudden *Bipalium* infection in human]. Ann. Bull. Soc. Parasitol., Guangdong Province, 11-13 for 1991 (Dec.): 156.

This is a second case of a land planarian infection in human. In November 1987a, 26-year-old woman, who lives at Chu-peng-li (near Guangdong, or Canton, in Southeastern China, urinated a *Bipalium* sp. (ca. 21 cm long and 3 mm wide; with 6 blackish longitudinal stripes on the dorsal surface of the body). Cf. Kawakatsu (1992: 26); Li (1993).

Tamura, S., Oki, I. & Kawakatsu, M. Karyological and taxonomic studies of *Dugesia japonica* from the Southwest Islands of Japan-II. Hydrobiologia, 227: 157-162.

The karyotypes of *Dugesia* species from the Southwest Islands of Japan (The Nansei Shotô) included diploidy, triploidy, mixoploidy, and mixoaneuploidy. Animals from Tane-ga-shima Island, Yaku-shima Island and Amami-Ôshima Island had karyotype based on n=8 (*i.e.*, *Dugesia japonica* Ichikawa et Kawakatsu, 1964). Animals from Okinawa Island, Miyako-jima Island and Ishigaki-jima Island had karyotype based on n=7 (*i.e.*, *Dugesia ryukyuensis* Kawakatsu, 1976).

See an 'Explanatory note of Ichikawa & Kawakatsu (1964b)' in the present web article.

See also Kawakatsu, Oki, Tamura & Sugino (1976); Kawakatsu, Oki & Tamura (1993).

Wang, S.-A. & Hu, Z.-W. (eds.). Three chapters in [Chinese High School Biology Text]. Xu, R.-H.: [Basic structure of Turbellarians: Acoela, Rhabdocoela and Polycladida] (pp. 29-32); Liu, D.-Z.: [Taxonomy of Chinese freshwater planarians] (pp. 32-35); Yuan, H.-D. & Qu, Y.-F.: [Observation of flame cells in planarians] (pp. 36-37). National Peking Normal Univ. Press, Peking.

1992

Kawakatsu, M. A list of publication on Japanese Turbellarians (1991) --- Including titles of publications on foreign Turbellarians written by the Japanese authors ---. Bull. Fuji Women's College, (30), II: 25-32. (Both in Japanese and English.)

Records of Chinese land planarians were listed. On p. 26: Hsu, Li & Xu (1980). Cf. Kawakatsu (1992: 26). On p. 29: Li & Liu (1991). Cf. Kawakatsu (1992: 29).

Liu, D.-Z. [The new progresses and results of taxonomic studies on Chinese freshwater planarians, 1992]. Prefatory 2 pages + 1-33.

This is a Chinese document with several figures and English abstracts (in some articles) printed in 1992. The following Chinese Note is added on the first page.

"[A Preliminary Research Report Submitted to the Committee of the National Science Foundation of China]": [Freshwater Planarians of the Xizang Qinghai and Xinjiang Regions in China – The Survey Natural Resources and Taxonomic Studies, 1990-1992 (No. 38970125)]. The Zoology Section of the Chinese Science Academy, Peking: November 20, 1992.

The document consists of the following sections in Chinese.

1). Description of a new species in the genus *Polycelis* from Wutaishan Mountains of China (Tricladida: Paludicola: Planariidae). Pp. 1-5 + figs 1-3.
2). Notes on two new species of genus *Polycelis* from China (Tricladida: Paludicola: Planariidae). Pp. 6-11 + figs 1-4.
3). Description of two new specires in the genus *Polycelis* from Xizang (Tibet) (Tricladida: Paludicola: Planariidae). Pp. 12-17 + figs 1-4.
4). [A new progress of taxonomic study in the genus *Polycelis* (Tricladida)]. Pp. 18-21 + 4 pages of figures.
5). [Methods for the taxonomic study of freshwater planarians]. Pp. 22-23.

6). [Preliminary report on the taxonomy and distribution of freshwater planarians in China]. Pp. 24-28 + a map.
7). [A consideration from field surveys of the highland area of Tibet (Xizang)]. Pp. 29-31.

For a more detailed explanation of this document and its taxonomic problem (priority of

the species by the sense of the International Code of Zoological Nomenclature), see Kawakatsu (1994: 67-69, ADDENDUM I).

1993

Kawakatsu, M., Oki, I. & Tamura, S. Taxonomy and geographical distribution of *Dugesia japonica* and *Dugesia ryukyuensis* in the Far East. VII ISBT Programme/Abstracts of Papers (Åbo/Turku), p. 22.

There are sufficient morphological and karyological disserences between 2 subspecies of *D. japonica* to justify giving *D. j. ryukyuensis* the rank of a separate species.
Dugesia japonica Ichikawa et Kawakatsu, 1964. The species differs from *D. ryukyuensis* in having an asymmetrical penis papilla without a well-developed valve surrounding its basal part; vagina well-developed. Chromosome numbers (n=8, 2x=16, 3x=24); distribution (the Japanese Islands, Taiwan, the Korean Peninsula, China and Primorskiy, Northern Siberia, in Russia).

Dugesia ryukyuensis Kawakatsu, 1976. The species is characterized by an asymmetrical penis papilla with a well-developed valve surrounding its basal part; vagina less-developed. Chromosome numbers (n=7, 2x=14, 3x=21); distribution (the Southwest Islands of Japan).

See 'Explanatory note of Ichikawa & Kawakatsu (1964b)' in the present web article. See also Kawakatsu, Oki, Tamura & Sugino (1976).

Kawakatsu, M., Oki, I., Tamura, S., Takai, M., Timoshkin, O. A. & Porfirjeva, N. A. Preprint of papers given at the Seventh International Symposium on the Turbellaria, Åbo, Finland, June 17-22, 1993. Occ. Publ., Biol. Lab. Fuji Women's College, Sapporo (Hokkaidô), Japan, (25): 1-20.

The morphology, histology and genital anatomy of samples collected from over-20 stations in Japan of "*Dugesia japonica*" (*D. j. japonica* and *D. j. ryukyuensis*) were studied. It was confirmed that *D. j. ryukyuensis* is elevated to the rank of species: *Dugesia ryukyuensis* Kawakatsu, 1976. Cf. Ichikawa & Kawakatsu (1964b); Kawakatsu, Oki, Tamura & Sugino (1976); Kawakatsu, Oki & Tamura (1973).

Taxonomy and geographical distribution of *Phagocata vivida* (Ijima et Kaburaki, 1916) were studied in detail.

Kawakatsu, M., Timoshkin, O. A., Porfirjeva, N. A. & Takai, M. Geographical distribution of *Phagocata vivida* in the Far East. VIIth ISBT Programme/Abstracts of Papers (Åbo/Truku), p. 79.

The taxonomy and geographical distribution of *Phagocata vivida* (Ijima et Kaburaki, 1916) in the Far East were studied in detail based upon new samples from Korea. Cf. Kawakatsu, Timoshkin, Porfirjeva & Takai (1994, 1995).

Li, D.-N. [The general information on the unexpected infection of *Bipalium* sp. in human]. Ann. Bull. Soc. Parasitol. Guangdong Province, China, for 1993, (14-15): 333-334. (In Chinese.)

This is the general information on the land planarian infection in human (Hsu, Li & Xu, 1980; Li & Liu, 1991). Dr. Li reported two cases of human infection, possibly by *Bipalium kewense* Moseley, 1878. Cf. Kawakatsu (1992: 26-27). See also 'Explanatory note of Li & Liu (1991)' in the present web article.

Liu, D.-Z. Chinese Freshwater Turbellarians. Six intruductory pages without pagination + 1-2 + 1-blank + 1-184 pp. National Peking Normal Univ. Press, Peking. Published in Dec., 1993. (In Chinese.)

This is a very important publication as a new start of the modern turbellariology in China. The book contains 35 articles in Chinese (including Chinese reproduction of previous papers by Chinese turbellariologists and Chinese translation of papers published by foreign specialists). Cf. Kawakatsu (1994).

1994

Kawakatsu, M. A commentary note on Prof. Liu's 1993 and 1994 Chinese publications on freshwater planarians from China, with corrections of the date of original publications of five *Polycelis* species and a replacement name of "*Polycelis tibetica* Hyman, 1934". Bull. Fuji Women's College, (22), II: 45-71.

Section I: Introduction (pp. 45-48). Liu's Chinese Book (1993, see above) contains 35 articles (with figs 1 and 2).

Section II: Contents of the 1993 Book (pp. 48-54). Titles of the 35 articles in English translation and explanations of each article were given.

Section III: Taxonomic and Nomenclatural Rearrangement of Liu's (1993, 1994) New *Polycelis* Species Reported from China (pp. 54-63).

Among the 35 articles in Liu's book, 5 of them are taxonomic papers including new species descriptions (4 articles) and a proposal of the new replacement name (1 article). They are as follows:

[The recent progresses of taxonomic study I in the genus *Polycelis* (Tricladida)]. Pp. 159-165. Reproduction of Liu's (1992) document.

[Description of a new *Polycelis* species from Mt. Wutaishan, Shanxi (Shanshi) Province, China]. Pp. 166-171. Amplified reproduction of Liu's document (1992).

[Descriptions of 2 new *Polycelis* species from China (Tricladida, Paludicola,

Planariidae)]. Pp. 172-175. Reproduction of a part of Liu's document (published in 1995) (Acta Hydrobiol. Sinica, 19 (2): 152-156).

[Descriptions of 2 new *Polycelis* species from the Xizang Autonomous Region, China (Tricladida: Paludicola: Planariidae)]. Pp. 176-180. Reproduction of a part of Liu's document (published in 1994) (Acta Zootax. Sinica, 19 (1): 1015 + pl. I).

For the reproduction with English explanation of 4 articles mentioned above, see Kawakatsu (1994: 57-67).

Section IV: A Replacement Name for *Polycelis tibetica* Hyman, 1934 (pp. 64-67).

[The name of the species "*Polycelis tibetica* Hyman, 1934" is corrected as *Polycelis kashmirica* (Hyman, 1934)]. Pp. 181-182.

Taxonomic descriptions in Chinese of 5 new taxa and a new replacement name (nomen nudum) found in these publications were partly contrary to the International Code of Zoological Nomenclature (3rd ed., 1985). English explanations of these Chinese publications and pertinent rearrangements of Liu's new taxa and a new replacement name were given in this paper.

1). The correct scientific name, author and the year of publication are as follows: *Polycelis wutaishanica* Liu, 1993; *Polycelis sinensis* Liu, 1993; *Polycelis lhunzhubica* Liu, 1993; *Polycelis nyingchica* Liu, 1993; *Polycelis xigazensis* Liu, 1993.

2). The correct scientific name, author and the year of publication of a replacement name for "*Polycelis tibetica* Hyman, 1934" is as follows: *Polycelis kashmirica* Liu, 1993.

A commentary paper by Kawakatsu (1994) also includes English explanation of the following Addenda (pp. 67-70).

Addendum I. Liu's 1992 Chinese Document (pp. 67-69). [Presentation of the new results of taxonomic studies on Chinese freshwater planarians, 1992]. Peking.

Addendum II. Liu's 1994 Additional Publication (pp. 69-70).

i). [Recent progress of taxonomic study of the genus *Polycelis* (Tricladida) in China]. In: [Abstracts of the Commemorative Meeting of the Sixtieth Anniversary of the China Zoological Society]. Peking.

ii). On the taxonomy of Chinese Paludicola (Turbellaria). In: Proceedings of the Sixtieth Anniversary of the Foundation of China Zoological Society, 1934-1994. Peking.

Kawakatsu, M., Timoshkin, O. A., Porfirjeva, N. A. & Takai, M. Taxonomic notes on

Phagocata vivida (Ijima et Kaburaki, 1916) from South Korea and Primorskiy, Russia (Turbellaria: Tricladida: Paludicola). Bull. Biogeogr. Soc. Japan, 49 (1): 1-12.

Taxonomic redescription of *Phagocata vivida* (Ijima et Kaburaki, 1916) based upon the material from South Korea and Primorsky in Northeastern Siberia, Russia, was given. It was confirmed that this species is distributed widely in the Far East (except for the Chukotskii Peninsula in NE Siberia, Sakhalin and the Kuril Islands). *Phagocata miyadii* Okugawa, 1939 from Northeastern China is a synonym of *Ph. vivida*.

Li, G.-P. [Notes on the taxonomic studies of Turbellaria in China]. Chinese Jour. Zool., 29, for 1994, (2): 58-62. (In Chinese.)

A brief history of the study of Turbellaria in China was reviewed. Turbellarian species recorded from China (until the year 1999) and their localities are shown in table 1 (on pp. 60-61). Cf. Kawakatsu & Lue (1984); Lue & Kawakatsu (1986).

Liu, D.-Z. (a). Notes on two new species of the genus *Polycelis* from Xizang Autonomous Region, China (Tricladida: Paludicola: Planariidae). Acta Zootax. Sinica, 19, for 1994 (1): 10-15 + pl. I. (In Chinese, with English summary.) See also 2 web abstracts in Chinese only.
http://engine.cqvip.com/content/citation.dll?id=1322789&SUID=
http://engine.cqvip.com/content/q/90158x/1994/019/001/zk06_q6_1322789.pdf

The following 2 new species were reported from Xīzàng Autonomous Region (=Tibet), Western China. They are, however, already described in Liu's book (1993: 161). Thus, the contents of this 1994 paper should be consider as redescriptions of the following 2 species.

Polycelis nyingchia Liu, 1993.
Polycelis xigazensis Liu, 1993.

For the reproduction of Chinese original descriptions and schematic figures (general structures of the body and sagittal views of the copulatory apparatus), see Kawakatsu (1994: 57-64, figs 5 (4) and (5) and 6 (4) and (5); see also fig. 7).

See 'Explanatory notes of Liu (1993) and Kawakatsu (1994)' in the present web article.

Liu, D.-Z. (b). On the taxonomy of Chinese Paludicola (Turbellaria). In: Proceedings of the Sixtieth Anniversary of the Founding of China Zoological Society, 1934-1994, pp. 543-548 * fig. 1 (without pagination). Zhongguo Kexue-Jighu Publ., Peking. Sept. 1994. (In Chinese, with English summary.)

The known species of Chinese freshwater planarians were listed, together with the data of their geographical distribution. The attached distribution map (fig. 1) is the same with a previous figure by Liu (1993: 158, fig.).

For a more detailed distribution map of Chinese freshwater planarians based upon Liu's map mentioned above, see Kawakatsu (1994: 52-53).

Liu, D.-Z. (c). [Recent progress of taxonomic study in China of the genus *Polycelis* (Tricladida)]. Abst. Meet. 60th Ann. China Zool. Soc., Sept. 1994: 118. (In Chinese.)

This is an abstract of Liu's taxonomic studies on Chinese *Polycelis* species. Although 9 new species were listed, 6 of them were described previously (Liu, 1993); 2 of them will be describe in a future paper by Liu (1996). The remained one, "*Polycelis delinghensis* Liu sp. nov." in Central China, is a nomen nudum. Cf. Liu (1993). See also Kawakatsu (1994).

1995

Kawakatsu, M. & Mitchell, R. W. New taxonomic data on an American triclad, *Seidlia remota* (Smith, 1988), with a proposal that generic recognition be extended to the subgenus *Seidlia*. Zool. Sci., Tôkyô, 12-Supplement: 32.

The Eurasian genus *Polycelis* consists of 3 subgenera: *Polycelis* Ehrenberg, 1831, *Seidlia* Zabusov, 1911 and *Ijimia* Bergendal, 1890. The subgenus *Seidlia*, characterized by an extraordinarily thick muscular zone surrounding the male genital antrum, should be recognized at the rank of genus to which it was elevated by Zabusova in 1936 (Trudy Obshch. Estestvoisp. Kazan. Gosud. Univ., 54). Cf. Kawakatsu & Mitchell (1998).

Kawakatsu, M., Oki, I. & Tamura, S. Taxonomy and geographical distribution of *Dugesia japonica* and *D. ryukyuensis* in the Far East. Hydrobiologia, 305: 55-61.

Dugesia japonica Ichikawa et Kawakatsu, 1964 is a common and polymorphic species of freshwater planarian distributed widely in the Far East. In 1976, the geographic populations were separated into 2 subspecies (*D. j. japonica* and *D. j. ryukyuensis*). The taxonomy of this species was reconsidered from a morphological, anatomical, histological, and karyological viewpoints. In conclustion, the taxonomic position of two subspecies was confirmed: *Dugesia japonica* Ichikawa et Kawakatsu, 1964 (n=8, 2x=16, 3x=24) and *Dugesia ryukyuensis* Kawakatsu, 1976 (n=7, 2x=14, 3x=21).

See an 'Explanatory note of Ichikawa & Kawakatsu (1964b)' in the present web article. See also Kawakatsu, Oki, Tamura & Sugino (1976); Kawakatsu, Oki & Tamura (1993).

Kawakatsu, M., Timoshkin, O. A., Porfirjeva, N. A. & Takai, M. Geographical distribution of *Phagocata vivida* in the Far East. Hydrobiologia, 305: 63-70.

Phagocata vivida (Ilima et Kaburaki, 1916) is common in cold-water habitats in mountainous and hilly regions in Japan (Kyûshû. Shikoku, Honshû, and Hokkaidô). The species is also distributed in Korea (the Korean Peninsula) , Primorsky in Northeast Siberia in Russia, and Northeastern China. This species probably is a preglacial faunal

element that entered Japan by the northern route to Old Honshû Island along the coast of the Old Sea of Japan.

Cf. Kawakatsu, Oki, Tamura, Takai, Tomoshkin & Porfirjeva (1993); Kawakatsu, Timoshkin, Porfirjeva & Takai (1994).

Liu, D.-Z. Notes on two new species of genus *Polycelis* from China (Tricladida: Paludicola: Planariidae). Acta Hydrobiol. Sinica, 19, for 1995, (2): 152-156. (In Chinese, with English summary.) See also web abstract in Chinese only.
http://engine.cqvip.com/content/q/90584x/1995/019/002/zk07_q6_1890975.pdf

The following 2 new species were reported from thee Xizang Autonomous Region (=Tibet), Western China. They are, however, already described in Liu's book (1993: 160). Thus, the contents of this 1995 paper should be consider as redescriptions.

Polycelis sinensis Liu, 1993.
Polycelis lhunzhubica Liu, 1993.

For the reproduction of Chinese original description, see Kawakatsu (1994: 58, 63, figs 5 ② and ③, 6 ② and ③); see also fig. 7 (on p. 64).

See 'Explanatory notes of Liu (1993) and Kawakatsu (1994)' in the present web article.

Tamura, S., Oki, I. & Kawakatsu, M. A review ocf chromosomal variation in *Dugesia japonica* and *D. ryukyuensis* in the Far East. Hydrobiologia, 305: 79-84.

The chromosome numbers of *Dugesia japonica* Ichikawa et Kawakatsu, 1964 are n=8, 2x=16 and 3x=24; those of *Dugesia ryukyuensis* Kawakatsu, 1976 are n=7, 2x=14 and 3x=21. The karyotypes of both species include diploid, triploid and mixoploid; aneuploidic and mixoaneuploidic karyotypes may occur.

See 'Explanatory note of Ichikawa & Kawakatsu (1964b)' in the present web article. See also Kawakatsu, Oki, Tamura & Sugino (1976); Kawakatsu, Oki & Tamura (1993).

1996

Kawakatsu, M. A commentary note on Prof. Liu's 1996 Chinese publication on freshwater planarians from China. Occ. Publ., Biol Lab. Fuji Women's College, Sapporo (Hokkaidô), Japan, (29): 1-8.

Liu (1996) published a taxonomic paper on 4 new species of the genus *Polycelis* from China (Acta Zootax. Sinica, 21). Among them, 1 species was already described in Liu's book (1993). One of remained 3 species should be place in the genus *Seidlia* Zabusov, 1911. These 4 species are as follows:

Polycelis wutaishanica Liu, 1993. Shanxi (Shanshi Province, Northeastern

China.
Polycelis jinglensis Liu, 1996. Shanxi Province, Northeastern China.
Polycelis jingyuanica Liu, 1996. Ningxia Huiz Autonomous Region, Central China.
Seidlia hamica (Liu, 1996). Xinjiang Autonomous Region, Northwestern China.

Cf. Kawakatsu (1994); Liu (1993, 1994, 1995). For the genus *Seidlia* Zabusov, 1911, see Kawakatsu & Mitchell (1995, 1998).

Kawakatsu, M., Oki, I., Tamura, S., Nishino, M., Timoshkin, O. A., Kuznedelov, K. D. & Sluys, R. Preprint of paper given at the Eighth International Symposium on the Biology of the Turbellaria, Brisbane, Australia, August 19-23, 1996. Occ. Publ., Biol. Lab. Fuji Women's College, Sapporo (Hokkaidô), Japan, (27): 1-16.

The geographical distribution ranges of *Dugesia japonica* Ichikawa et Kawakatsu, 1964 and *Dugesia ryukyuensis* Kawakatsu, 1976 in Kyûshû, Southern Japan, were studied by the morphological, anatomical, histological, and karyological viewpoints. Cf. Tamura, Yamamoto, Takai, Oki & Kawakatsu (1998).

The basic data on *Polycelis* and *Seidlia* species are also given in this Preprint (pp. 12-16). The taxonomic position of the genus *Seidlia* Zabusov, 1911 was confirmed. Cf. Kawakatsu & Mitchell (1995, 1998).

Kawakatsu, M., Yoneda, I. & Murayama, H. (a). A list of Triclad Turbellarians from Nepal in Kawakatsu's Collection. Part I: A list with maps. Bull. Fuji Women's College, (34), II: 95-103. Cf. Ichikawa & Kawakatsu (1964a).

Kawakatsu, M., Yoneda, I. & Murayama, H. (b). A list of Triclad Turbellarians from Nepal in Kawakatsu's Collection. Part II: Additional maps and photographs. Occ. Publ., Biol. Lab. Fuji Women's College, Sapporo (Hokkaidô), Japan, (28): 1-4.

For the reproduction of sketchi figures and photograph of *Polycelis* sp. (spp.?) and/or *Seidlia* sp. (spp.?) from Nepal, see fig. 3 (A-C) on p. 2. Cf. Ichikawa & Kawakatsu (1964a).

Liu, D.-Z. Notes on four new species of the genus *Polycelis* from China (Tricladida: Paludicola: Planariidae). Acta Zootax. Sinica, 21, for 1996, (4): 389-398 + pls. I-II. (In Chinese, with English summary.) See also web abstract in Chinese only.
http://engine.cqvip.com/content/q/90158x/1996/021/004/zk07_q6_2291178.pdf

According to Liu (1996), 4 new Polycelis species were described from Central China. Among them, 1 species was already described (Liu, 1993); the other 1 species is a member of the genus Seidlia. These 4 species are as follows:

Polycelis wutaishanica Liu, 1993 (from Shanxi Province).
Polycelis jinglensis Liu, 1996 (from Shanxi Province).

Polycelis jingyuanica Liu, 1996 (from Ningxia Autonomous Region).
Seidlia hamica (Liu, 1996) (from Xinjiang Uygur Autonomous Region).

Cf. Kawakatsu (1996: 1-7; for the distribution map, see fig. 4 on p. 6). See also Kawakatsu (1994: 55, 58, 60, fig. 5 ①, 61, fig. 6 ①). For the genus *Seidlia*, see Kawakatsu & Mitchell (1995, 1998).

1997

Liu, D.-Z. On two new species of the genus *Dendrocoelopsis* from China (Tricladida: Paludicola: Dendrocoelidae). Acta Zootax. Sinica, 22 for 1997, (3): 240-245. (In Chinese, with English summary.)

Two new *Dendrocoelopsis* species were reported from Heilongjiang Province, Northeastern China. They are as follows:

Dendrocoelopsis sinensis Liu, 1997 (from Dedu, Sunwu and Zunke Counties).
Dendrocoelopsis suifenensis Liu, 1997 (from Suifenhe City).

Ogren, R. E., Kawakatsu, M. & Froehlich, E. M. Additions and corrections of the previous land planarian indices of the world (Turbellaria, Seriata, Tricladida, Terricola). Addendum IV. Geographic locus index: Bipaliidae; Rhynchodemidae (Rhynchodeminae; Microplaninae); Geoplanidae (Geoplaninae; Caenoplaninae; Pelmatoplaninae). Bull. Fuji Women's College, (35), II: 63-103.

The known *Bipalium* species recorded from China are shown on pp. 71-72 and 87.

1998

Kawakatsu, M. A list of publications on Japanese Turbellarians (1997) --- Including titles of publications on foreign Turbellarians written by the Japanese authors ---. Bull. Fuji Women's College, (36), II: 67-74. The Part II of this article (on pp. 72-74, pl. I) is as follows:

Part II. The Correct Scientific Name of the Japanese Temnocephalid Species Erroneously Known as "*Caridinicola indica* Annandale, 1912".

Reproduction of the original description of "*Caridinicola sinica* Matjašič, 1990" and the taxonomic discussion for the species were given. This Chinese species is now classified as a synonym of *Scutariella japonica* (Matjašič, 1990).

Cf.. Kawakatsu, Gelder, Ponce de León, Volonterio, Wu, Nishino, Ohtaka, Niwa, Fujita, Urabe, Sasaki, Kawakatsu (M.-y.) & Kawakatsu (T.) (2007).

Kawakatsu, M. & Mitchell, R. W. Redescription of a North American freshwater planarian, *Seidlia remota* (Smith, 1988), with taxonomic notes on *Seidlia* and *Polycelis* species

from the Far East and Central Asia (Turbellaria, Seriata, Tricladida, Paludicola). Bull. Fuji Women's College, (36), II: 96-110. Cf. Kawakatsu & Mitchell (1995).

Liu, C.-L. [Observation on an abnormal reproduction of the freshwater planaria]. Chinese Jour. Zool., 33 (3). Cited: Web abstract In Chinese only.
http://scholar.ilib.cn/Abstract.aspx?A=dwxzz199803001
http://www.wanfangdata.com.cn/qikan/periodical.Articles/dwxzz/980301.htm

When a planarian penetrated by a foreign object in front of pharynx, an abnormal asexual reproduction ensued. The anterior broken piece in front of pharynx is unable to regenerate into a complete normal planarian.

Sun, X.-D. & Wu, J.-H. Plathelminthes. In: Yin, W.-Y. et al. (eds.). 'Pictorial Keys to Soil Animals of China', pp. 43-44, 432. Science Press, Beijing (Peking), China. (In Chinese.)

External morphology of Chinese giant *Bipalium* sp. is shown (fig. 1 on p. 43); Pictorial key of turbellarian orders (on p. 44). For the reproduction of 'fig. 1' cited above and its taxonomic consideration, see Kawakatsu, Ogren, Froehlich & Murayama (2001: 46-48).

Tamura, S., Yamamoto, K., Takai, M., Oki, I. & Kawakatsu, M. Karyology and biogeography of *Dugesia japonica* and *Dugesia ryukyuensis* in Kyûshû, southern Japan. Hydrobiologia, 383: 321-327.

In Kyûshû in Southern Japan, *Dugesia japonica* Ichikawa et Kawakatsu, 1964 and *Dugesia ryukyuensis* Kawakatsu, 1976 were found. *D. japonica* (n=8, 2x=16, 3x=24) was common and widely distributed everywhere. Several populations of *D. ryukyuensis* (n=7, 2x=14, 3x=21) were found in the lowest area in Kyûshû on the East China Sea (the Nishisonogi Peninsula, the Shimabara Peninsula, the Gotô Iaslands, the Satsuma Peninsula, and the Ôsumi Peninsula). The current geographical distribution of these 2 dugesiid species in Southern Japan can be explained from geological and faunal viewpoints, as follows: (1) two separate inversions by the ancestor of *D. japonica*, one in the Miocene and one after early Quaternary; (2) only one expansion of its domain by the ancestor of *D. ryukyuensis* in the Miocene. Cf. Kawakatsu, Oki, Tamura, Takai, Yamamoto, Nishino, Timoshkin, Kznedelov & Sluys (1996).

See 'Explanatory note of Ichikawa & Kawakatsu (1964b)' in the present web article. See also Kawakatsu. Oki, Tamura & Sugino (1976); Kawakatsu, Oki & Tamura (1993).

1999

Chen, G.-W., Chen, X.-H. & Lü, J.-Q. [Research history and progress of the Chinese dugesiid planarian studies]. Chinese Jour. Zool., 34 (6). Cited: Web abstract in Chinese only.

http://www.wanfangdata.com.cn/qikan/periodical.articles/dwxzz/dwxz99/dwxz9906/990615.htm

This paper describes Chinese dugesiid planarian species, distribution, research history and current progress, and hopes to supply the complete detail information for the resource investigation and taxonomical studies. Cf. Ichikawa & Kawakatsu (1964b); Kawakatsu, Oki, Tamura & Sugino (1976). See also Kawakatsu & Lue (1984); Lue & Kawakatsu (1986).

Kawakatsu, M., Murayama, H., Nishino, M. & Ohtaka, A. Miscellaneous records of Turbellarians mainly from Kawakatsu's Collection. I: A Freshwater planarian from the cave "Ngalau Surat" in Sumatra, Indonesia. II: Freshwater planarians from caves and epigean water in China. III: A correction of Honjô's (1937) anatomical figure of *Scutariella japonica* (Matjašič, 1990)(Temnocephalida). IV: Two neorhabdocoelid species from the profundal zone of Lake Mashû-ko, Hokkaidô, Japan. Bull. Fuji Women's College, (37), II: 85-92.

In the Section II (pp. 85-87), freshwater planarians from caves and epigenic waters in China were reported. They are: *Dugesia* sp from limestone caves in Hunan Province, and *Dugesia* sp. and *Polycelis*? sp. (or *Seidlia*? sp.) from the mountainous area in Sichuan Province, Southeast China.

In the Section III (pp. 88-89, figs. 7 and 8), comparative taxonomic discussion of *Scutariella japonica* (Matjašič, 1990) was given. For literature, see Kawakatsu, Gelder, Ponce de León, Volonterio, Wu, Nishino, Ohtaka, Niwa, Fujita, Urabe, Sasaki, Kawakatsu (M.-y.) & Kawakatsu (T.) (2007).

Liu, X.-H. Jiang, X.-M. & Wang, X.-A. Histochemistry localization of NOS in *Dugesia japonica*. Sichuan Jour. Zool., for 1999, (2). Cited: Web abstracts both in Chinese and English. NOS (= nitric-oxide synthesis).
http://scholar.ilib.cn/Abstract.aspx?A=scdw199902001

The localization of nitric-oxide synthase (NOS) in *Dugesia japonica* has been studied with NADPH-d histchemistry method. The result indicated that the NOS was localized in pharynx only and not found in central nervous system. The authors suggested that the NOS distributed in pharynx might be related with its ingestion.

2000

Kawakatsu, M., Ogren, R. E. & Froehlich, E. M. Additions and corrections of the previous land planarian indices of the world (Turbellaria, Seriata, Tricladida, Terricola). Additions and corrections of the previous land planarian indices of the world – 8 (2). Bull. Fuji Women's College, (38), II: 83-103.

Appendix (on pp. 99-103). Reproduction editions of Stimpson's three old land

planarian papers were given: Proc. Acad. Nat. Sci. Philad., 9 (1857: land planarians section only); Amer. Jour. Sci, Arts. 2, Ser. 31 (= Silliman's Jour. Sci.; 1861a: pp. 134-135); Ann. Mag. Nat. Hist., Ser. 3, VII (1861b: pp. 231-232).

Li, X.-L. [Effect of temperature on planarian regeneration]. Jour. Linyí Teachers' Univ., for 2000, (6): 321-324. (In Chinese.)

2001

Chen, G.-W., Lü, J.-Q. & Ma, J.-Y. [The known genera and species of Chinese freshwater planarians (Tricladida) and their geographical distribution]. Acta Zool. Sinica, 47: 9-12. (In Chinese.)

Chen, G.-W., Chen, X.-K. & Liu, D.-Z. Advances in the study of Turbellaria in China. Acta Hydrobiol. Sinica, 25 (4): 406-412. Cited: Web abstract in Chinese only.
http://202.113.169.15:8000/periodical/periodical.articles/ssswxb/sssw2001/0104/010417.htm
http://engine.cqvip.com/content/citation.dll?id=5295282&SUID=

Classification of the 4 Orders, namely Rhabdocoela, Temnocephalida, Tricladida and Polycladida, were discussed. A total of 4 orders, 20 genera and 51 species were reported from China.

Cheng, Z.-J., Hu, -J. & Yan, K.-J. An observation on the regeneration of turbellarian. Biol. Teach., for 2000, (7). Cited: Web abstract in Chinese only.
http://scholar.ilib.cn/abstract.aspx?A=swxjx200107018

Jiang, Z.-L. [A new feeding experiment of freshwater planaria]. Bull. Biol., for 2001, (3). Cited: Web abstract in Chinese only.
http://www,ilib.cn/A-swxtb200103028.html

Kawakatsu, M., Ogren, R. E., Froehlich, E. M. & Murayama. H.. On the places of origin of three, very large bipaliid land planarians from Japan (Turbellaria, Seriata, Tricladida, Terricola). Shibukitsubo, (22): 39-52. (In English with Japanese abstract.)

The natural range of *Bipalium nobile* Kawakatsu et Makino, 1982 is considered to be mid-central (and southern?) China. The species may have been introduced into Japan (probably the vicinities of Tôkyô) after World War II. Cf. Sasaki, Murayama & Kawakatsu (2001).
http://www.ct.sakura.ne.jp/~gen-yu/lp/shibukitsubo/lp.html
http://www.ct.sakura.ne.jp/~gen-yu/lp/shibukitsubo/lp.pdf

Li, A.-P. [Biological study in Chinese *Dugesia* species]. Jour. Taiyuan Teachers College, (Nat. Sci.), 2001 (3): 201-204. (In Chinese.)

Ma, Q.-Y. & Yan, A. [Breeding and study on planarian regeneration]. Jour. Shandong Educ. Inst., for 2001, (1). Cited: Web abstract in Chinese only.
http://scholar.ilib.cn/A-sdjyxyxb200101021.html

Ogren, R. E. & Sluys, R. The genus *Humbertium* gen. nov., a new taxon of the land planarian family Bipaliidae (Tricladida, Terricola). Belg. Jour. Zool., 131 (Suppl.-1): 201-204.

Sasaki, G.-Y. (a). Bipaliid land planarians recorded in Chinese and Japanese Materia Medica. (In Japanese.) http://www2u.biglobe.ne.jp/~gen-yu/kougai.html

Sasaki, G.-Y. (b). Bipaliid land planarians recorded in Chinese and Japanese Materia Medica (under supervision of Dr. M. Kawakatsu).
http://www2u.biglobe.ne.jp/~gen-yu/kougai_e.html

Sasaki, G.-Y. (c). The basic knowledge of Chinese Materia Medica – For the understanding of natural history in the prescientific age of Japan --. (In Japanese.)
http://www2u.biglobe.ne.jp/~gen-yu/chinahonzo.html

Sasaki, G..-Y. & Kawakatsu, M. "Yuji" (=Kôgai) found in an ancient tomb of the Yin Dynasty, China. http://www2u.biglobe.ne.jp/~gen-yu/yuji.html

Sasaki, G.-Y., Murayama, H. & Kawakatsu, M. A reprint edition of four English abstracts and a single text of land planarian papers published in the SHIBUKITSUBO (1998-2001).
http://www,ct.sakura.ne.jp/~gen-yu/lp/shibukitsubo/lp.html
http://www.ct.sakura.ne.jp/~gen-yu/lp/shibukitsubo/lp/pdf

Sluys, R., Kawakatsu, M. & Timoshkin, O. A. Taxonomic redescription of Phagocata sibirica and comparison with *Phagocata vivida* (Tricladida, Paludicola). Belg. Jour. Zool., 131 (Suppl. 1): 193-199.

Phagocata vivida distributed in Northeastern China was mentioned. See Okugawa (1939, 1940); Kawakatsu, Timoshkin, Porfirjeva & Takai (1994).

Tang, F.-C. RNA interference and gene silencing. Hereditas <Beijing>, for 2001 (2). Cited: Web abstracts both in Chinese and English.
http://www.ilib.cn/A-yc200102019.html

RNA interference was observed in planaria.

Wen, R.-S. & Liu, L. [A note on an exotic temnocephalid species]. Jour. Jiaying Univ., 19 (6): 101-104. Cited: Web abstract in Chinese only.
http://engine.cqvip.com/content/citation.dll?id=6480489&SUID=

Temnocephalsa semperi (sic) was collected from an Australian crayfish *Cherax*

quadyicarinatus cultured in Guǎngzhōu (=Kuangchou; Kwangchow) City in South-eastern China. The correct scientific name is *Temnosewellia semperi* (Weber, 1889).

2002

Chen, X.-C., Yáng, Q.-S., Lin, H.-F., Wang, Y.-Y., Gao, R.-C. & Guo, G.-B. Turbellarian parasitized in *Scaenops ocellatus* and its control. Jour. Fish China, for 2002 (4). Cited: Web abstract in Chinese only.
http://scholar.ilib.cn/Abstract.aspx?A=scxb200204015

Scaenops ocellatus is a fish of the family Sciaenidae distributed in the North American coast of the Atlantic Ocean.

Kawakatsu, M., Ogren R. E., Froehlich, E. M., & Sasaki, G.-Y. Misellaneous Papers on Turbellarians. ARTICLE II. Additions and Corrections of the Previous Land Planarian Indices of the World (Turbellaria, Seriata, Tricladida, Terricola). Additions and corrections of the previous land planarian indices of the world - 10. Bull. Fuji Women's Univ., (40), II: 157-177. http://victoriver.com . Bar: planarian.net mirror. Land planarian indices series 2002.

Liào,Y., Luó, , Y. & Chén, L.-L. [Progress of RNA interference studies]. Jour. Shanxi Med. Univ. for 2002 (z-1). Cited: Web abstract in Chinese only.
http://www.ilib.cn/A-sxykdxxb2002z1042.html

RNAi was found in planaria.

Pan, J.-F., Dong, S. & Liu, C.-L. Test on acute toxicity of several domestic detergent on *Dugesia japonica*. Yunnan Environ. Sci. for 2002 (4). Cited: Web abstract in Chinese only. http://scholar.ilib.cn/Abstract.aspx?A=ynhjkx200204004

Zhōng, D.-F. All year-round indoor raising of *Dugesia japonica*. Jour. Jiaying Univ. for 2002 (6). Cited: Web abstract in Chinese only.
http://scholar.ilib.cn/abstract.aspx?A=jydxxb200206013

2003

Ma, K.-Y., Lü, J-Q., Chen, G.-W., Xu, C.-S. & Liu, D.-Z. Chromosome studies of the freshwater planarians (*Dugesia* sp.) from China (I). Acta Genet. Sinica for 2003 (11). Cited: Web abstracts in Chinese only.
http://scholar.ilib.cn/Abstract.aspx?A=ycxb200311009
http://www.wanfangdata.com.cn/qikan/periodicalk.Articles/vcxb/vcxb2003/0311/031109.html

Planarian samples from 3 localities in Eastern China were studied. Chromosome numbers of *Dugesia* sp. examined were 2x=16, 3x=24 (24m) and 2x & 3x (16 & 24). The karyotypes include diploid, triploid and mixoploid. Another triploidic karyotype

was also found: 3x = 24 (22m + 2sm).

This species seems to be *Dugesia japonica* Ichikawa et Kawakatsu, 1964. Cf. Ichikawa & Kawakatsu (1964 b).

Compilers' note. In the Chinese web abstract, the karyotypes were shown as 2n=2x=16=16m; 2n=3x=24=24m; 2n=3x=24=22m+2sm. These formulae are wrong. '2n' means a chromosomal set of somatic cells only (i.e., diploid). They should be express as follows: 2x=16 (16m); 3x=24 (24m); 2x & 3x=16 & 24 (22m + 2sm). m = metacentric chromosome(s); sm = submetacentric chromosome(s).

Zhào, J.-S., Cheng, Z., Xióng, Y., Xie, Q.-OX., Guo, Y.-Q. & Guo, X.-L. Influence of Cu2+ on the activity of *Dugesia japonica* catalase. Amino Acid and Biotic Resources (China), for 2003 (3). Cited: Web abstract in Chinese only.
http://www.ilib.cn/A-ajshswzy200303014.html

Dugesia japonica was cultured in different concentration of Cu2+ solution for 48 hours. The results showed that low concentration solution stimulated increasing catalase activity; at high concentration kept catalase activity at normal level. However, when Cu2+ concentration reached 4mg kg-l, all planarians died within 24 hours.

2004

Hán, Q.-G., Wang, A.-T., Tang, S. & Xing, M. Effect of extracts from earthworm *P. aspergillum* on the differentiation of abnormal eyes in *Dugesia japonica*. Jour. Shenzhen Univ. (Science & Engineering), 21 (4): 331-334. Cited: Web abstract in Chinese only.
file://C:¥DOCUME~1¥Owner¥LOCALS~1¥Temp¥39UN7B4N.htm
http://engine.cqvip.com/content/q/92670x/2004/021/004/zk17_q1_10846819.pdf

The earthworm extracts (H-III) were added to the culture media of headless *Dugesia japonica*. The results showed the abnormal induction of various superneumary numbers of eye spots.

Kawakatsu, M. & Sasaki, G.-Y. The foundation of turbellariology in Japan was consolidated by papers published in the 1888-1925 Age of the Zoological Magazine, Annotationes Zoologicae Japonenses, and the Journal of the College of Science, Imperial University of Tokyo. (In Japanese with English explanation of figures.) Web article only.
http://planarian.net/kswp/41/oldpaper.pdf . See also http://victoriver.com Bar: planarian.net mirror.

This is a Poster Presentation by Kawakatsu & Sasaki at the occasion of the 74th Ann. Meet. of the Zool. Soc. of Japan held in Hakodate, on September 17-19, 2003. For 2 Chinese land planarians, *Bipalium kaburakii* Kawakatsu, Sluys et Ogren, 2005 and *Bipalium katoi* Kawakatsu, Sluys et Ogren, 2005, see Kawakatsu, Sluys & Ogren (2005).

Liu, X. & Fang, Z. An improved method for chromosome preparation of freshwater planarian. Amino Acids Biotic Resour. China, for 2004 (4). Cited: Web abstract in Chinese only. http://scholar.ilib.cn/Abstract.aspx?A=ajshswzy200404011

Ma, Q.-Y., Chen, G.-W. & Liu, D.-Z. The relationship between the reproduction and the chromosomal variation of freshwater planarians (*Dugesia*) in China. Chinese Jour. Zool., 39 (5): 25-29. (In Chinese.) Cited: Web abstract in Chinese only.
http://scholar.ilib.cn/A-dwxzz200405006.html
http://www.wanfangdata.com.cn/qikan/periodical.Articles/dwxzz/dwxz2004/0405/040506.htm

Chinese samples of *Dugesia* planarians have chromosomes numbers of 2x=16, 3x=24 (24 m) and 2x & 3x (16 & 24). The karyotypes include diploid, triploid and mixoploid. This species seems to be *Dugesia japonica* Ichikawa et Kawakatsu, 1964.

Wang, A.-T. A new species of the genus *Dalyellia* from China (Turbellaria, Rhabdocoela). Acta Zootax. Sinica, 29 (4): 697-699. Cited: Web abstract in Chinese only.
http://scholar.ilib.cn/A-dwfl200404014.html
http://dwfl.nextage.cn/A-dwfl200404014.html

Dalyellia sinensis Wang, 2004 was described.

Wang, A.-T., Hu, H.-Y. & Luó, C.-G.. The biological characteristics of *Macrostomum tuba* in China. Chinese Jour. Zool. for 2004 (4). Cited: Web abstract in Chinese only.
http://scholar.ilib.cn/A-dwxzz200404012.html

Wang, A.-T. & Luó. C.-G.. A new species of the genus *Macrostomum* from China (Turbellaria, Macrostomida). Acta Zootax. Sinica for 29 (4). Cited: Web abstract in Chinese only. http://scholar.ilib.cn/A-dwfl200404015.html

Macrostomum xiamensis Wang et Luó, 2004 was described.

Yè, J.-I. & Wang, J.-W. Recent advance on the RNA interference and gene silencing. Dongwu Kexue yu Dongwu Yixue for 2004 (04). Cited: Web absrtract in Chinese only.
http://www.ilib.cn/A-dwkxydwyx200404010.html

Zhāng, H.-C., Chen, G.-W., Lǐ, Y.-C. & Xu, C.-S. Optimization of reaction conditions for RAPD analysis of freshwater planarians in China. Acta. Biol. Exper. Sinica, 37 (4): 333-336. Cited: Web title of the paper in Chinese only.
http://www.wanfangdata.com.cn/qikan/periodical.Articles/syswxb/sysw2004/0404/040413.htm

Zhào, J.-S. & Ceng, Z. Acute toxicity of Cu2+, Hg2+ and Pb2+ to planarian (*Dugesia japonica*). Chinese Jour. Appl. Environ. Biol. for 2004 (6). Cited: Web abstract in Chinese only. http://scholar.ilib.cn/A-yyyhjswxb200406015.html

Zheng, Q.-Y. Habits and characteriv[s]tics of *Dugesia gonocephala*. Jour. Ningde Teach. College (Nat. Sci.) for 2004 (1). Cited: Web abstract in Chinese only. http://scholar.ilib.cn/abstract.aspx?A=ndszxb200401009

The Chinese dugesiid species used seems to be *Dugesia japonica* Ichikawa et Kawakatsu, 1964. Cf. Ichikawa & Kawakatsu (1964 b).

Zheng, Q.-Y. Collection and cultivation of *Dugesia gonocephala*. Jour. Zhangzhou Teach. College (Nat. Sci.) for 2004 (1). Cited: Web abstract in Chinese only. http://scholar.ilib.cn/A-zzsfxyxb200401016.html

The Chinese dugesiid species used seems to be *Dugesia japonica* Ichikwa et Kawakatsu, 1964. Cf. Ichikawa & Kawakatsu (1964 b).

2005

Chen, G.-W., Xue, D.-M., Sun, X.-J. & Kiu, D.-Z. The microscopical observation of the testis tissue construction of the *Polycelis* planarians from Yushu in Qinghai Province. [Histological observation of testes in *Polyclis* species from Yushu, Qinfghai Province, in China]. Jour. Henan Normal Univ. (Nat. Sci.), 33 (2): 145-147. (In Chinese.) Cited: Web abstracts in Chinese only. http://scholar.ilib.cn/Abstract.aspx?A=henansfdxxb200502041 http://www.wanfangdata.com.cn/qikan/periodical.Articles/henansfdxxb/hena2005/0502/050241.htm

Preliminary histological study of *Polycelis* testis demonstrated the structure is similar to that of seminiferous tubes of mammalian testis but with a slight difference. It indicated that the structure of *Polycelis* testis is rather conservative in the animal evolution.

Hè, Y.-Q. & Li, X.-D. [A new breeding method of dugesiid planarians in laboratory]. Bull. Biol. China for 2005 (4). Cited: Web abstract in Chinese only. http://scholar.ilib.cn/A-swxtb200504028.html

Authors were successfully in raising planarian together with tropical fishes in aquaria for 7 years at home.

Kawakatsu, M., Sluys, R. & Ogren, R. E. Seven new species of land planarian from Japan and China (Platyhelminthes, Tricladida, Bipaliidae), with a morphological review of all Japanese bipaliids and a biogeographic overview of Far Eastern species. Belg. Jour. Zool., 135 (1): 53-77.

Kaburaki (1922) and Katô (1950) reported "*Bipalium cantori* Wright, 1860" from China. It was clarified that their records of *B. cantori* are misidentification of 2 new local species. These 2 new Chinese bipaliids were described. They are: *Bipalium kaburakii* Kawakatsu, Sluys et Ogren, 2005 and *Bipalium katoi* Kawakatsu, Sluys et

Ogren, 2005. Cf. Kawakatsu & Sasaki (2004).

Li, H. & Wang, A.-T. The exploration on the origin of the brain by research on the incision and reproduction of two types of Turbellaria. Jour. Shenzhen Univ. (Science & Enginering) for 2004 (4). Cited: Web abstract in Chinese only.
http://scholar.ilib.cn/Abstract.aspx?A=szdxxb200504019

Li, S.-J. & Chén, H.-F. [Collection and examination of small subterranean freshwater animals from wells]. Chinese Jour. Zool., for 2005 (4). Cited: Web abstract in Chinese only.
http://www.ilib.cn/A-dwxzz200504024.html

Liu, C.-Y. & Jiang, H. Demonstrating poorness of genetic diversity of *Dugesia japonica* in Luojia Mountain by RAPD analysis. Amino Acids Biotic Resources for 2005 (3). Cited: Web abstract in Chinese only.
http://scholar.ilib.cn/A-ajshswzy200503004.html

Liu, C.-Y. & Jiang, H. Improved CTAB method suitable for extracting genomic DNA from planaria. Amino Acids Biotic Resources for 2005 (4). Cited: Web abstract in Chinese only. http://www.ilib.cn/A-ajshswzy200504011.html

Authors used the improved CTAB method, SDS method and SDS-proteinase-K method to prepare genomic DNA from planaria. The result showed the improved CTAB method is most suitable for extracting genomic DNA from planaria.

Sun, X.-J., Chen, G.-W., Xue, D.-M. & Liu, D.-Z. The microscopical observation on pharynx tissue construction of the *Polycelis* planarians from Yushu in Qinghai Province. [Histological study of the pharnx of *Polycelis* species from Yushu in Qinghai Province, China]. Jour. Henan Normal Univ. (Nat. Sci.) for 2005 (2). Cited: Web abstracts in Chinese only. http://scholar.ilib.cn/A-henansfdxxb200502042.html
http://www.wanfangdata.com.cn/qikan/periodical.Articles/henansfdxxb/hena2005/0502/050241.htm

Histological studies of *Polycelis* pharynx wall showed 3 layers: outer simple columnar epithelial layer, middle layer with inner thick circular muscles and outer thin longitudinal muscles; inner epithelial layer connected to pharyngeal cavity showing finger-like projection.

Tóng, L., Zhu, B. & Mǐn, Q. [Observation of a feeding by the pharynx in planarians]. Bull. Biol. China for 2005 (1). Cited: Web abstract in Chinese only.
http://scholar.ilib.cn/Abstract.aspx?A=swxtb200501026

Wang, A.-T. Three new species of the genus *Macrostomum* from China (Platyhelminthes, Macrostomida, Macrostomidae). Acta Zootax. Sinica, 30 (4): 714-720. Cited: Web abstracts in Chinese only. http://scholar.ilib.cn/Abstract.aspx?A=dwfl200504012
http://www.wanfangdata.com.cn/qikan/periodical.Articles/dwfl/dwfl2005/0504/050412.

htm

The following 3 species were described. They are:

Macrostomum sinensis Wang, 2005;
Macrostomum acus Wang, 2005;
Macrostomum obtusa Wang, 2005.

Wang, A.-T. & Li, H. A new species of the genus *Gyratrix* from a freshwater pond in Guangdong Province, China (Rhabdocoela, Polycystididae). Acta Zootax. Sinica for 2005, 30 (4). Cited: Web abstracts in Chinese only.
http://scholar.ilib.cn/A-dwfl200504013.html
http://www.wanfangdata.com.cn/qikan/periodical.Articles/dwfl/dwfl2005/0504/050413.htm

Giratrix sinensis Wang et Li, 2005 was described.

Wang, A.-T. & Wu, H.-L. A new record genus and three new species of Dalyellidae (Platyhelminthes, Rhabdocoela, Dalyellioida) from China. Acta Zootax. Sinica, 30 (2): 300-3008. Cited: Web abstract in Chinese only.
File://C:¥DOCUME~1¥Owner¥LOCALS~1¥Temp¥DNTM740U.htm

The following 3 species were described. They are:

Microdalyellia muyuensis Wang et Wu, 2005;
Microdalyellia shennongjiae Wang et Wu, 2005;
Microdalyellia sinensis Wang et Wu, 2005.

Wang, A.-T. & Wu, H.-L. A new record genus and one new species of Dalyellidae (Platyhelminthes, Rhabdocoela, Dalyellioida) from China. Acta Zootax. Sinica, 30 (3): 516-519. Cited: Web abstracts in Chinese only.
http://pomology.org/001/346/001346674.html
http://schor.ilib.cn/Abstract.aspx?A=dwfl200503012
http://engine.cqvip.com/content/q/90158x/2005/030/003/zx22_q6_20000058.pdf
http://www.wanfangdata.com.cn/qikan/periodical.Articles/dwfl/dwfl2005/o5o3/050312.htm

Gieysztoria shenzhensis Wang et Wu, 2005 was described.

Wu, S.-K.., Kawakatsu, M., Lue, K.-Y., Lee, J.-D, Tsai, C.-L., Lin, H.-H., Sluys, R. & Sasaki, G.-Y. A preliminary study on land planarians of Taiwan. Endemic Species Research. (Jiji, Taiwan), 7 (2): 23-40. (In English, with Chinese abstract.)
www.db.tesri.tw/protect/UpLoadPic/05792819/0579281923/0579281923_pdf.pdf

This paper provides an overview of the current status of land planarian taxonomy. Previous taxonomic status of Taiwan land planarians was discussed. The preliminary

study, based on the material (mainly registered in the Kawakatsu's Collection at present), reported a total of 18 species as follows:

Bipalium kewense Moseley, 1878 (a cosmopolitan species); *Diversibipalium* spp. 1-13 (*i.e.*, 13 unidentified species from the family Bipaliidae Stimpson, 1857); Rhynchodemidae sp. 1 (an unidentified species from the family Rhynchodemidae von Graff, 1896); ?Caenoplaninae spp. 1 and 2 (2 undescribed species from the subfamily Caenoplaninae Ogren et Kawakatsu, 1991, family Geoplanidae Stimpson, 1857); *Australopacifica* sp. 1 (an unidentified species from the Caenoplannae, family Geoplanidae).

Xu, M.-X. [Obseravation of the feeding behavior of planarians]. Biol. Teach. for 2005 (11). Cited: Web abstract in Chinese only. http://scholar.ilib.cn/A-swxjx200511022.html

Ye, J.-I., Jiang, L. & Wang, J.-W. Recent advance on the study of RNA interference and gene silencing. Bull. Biol. for 2005 (03). Cited: Web abstract in Chinese only. http://www.ilib.cn/A-swxtb200503002.html

Zhang, H.-F., Xiè, S.-G. & Xie, L.-Q. An investigation of bentic invertebrates in Jiuzhaigou Nature Preserve. Jour. Neijiang Teachers College for 2005 (4). Cited: Web abstract in Chinese only. http://www.ilib.cn/A-njsfxyxb200504019.html

This investigation found 2 planarian species out of 45 total animal species.

2006

Guo, G.-W., Chen, W.-L., Wang, Y.-Y., Gao, R.-C., Zhong, X.-R., Chen, Y.-L., Yao, L.-J., Wei, X.-Y. & Zhang, G.-M. The *Pseudograffilla* sp. which parasite in breed aquatica sea-fish. Jour. Fujian Normal Univ. (Nat. Sci.), 22 (1): 82-86. Cited: Web abstract in Chinese only.

Niwa, N. & Ohtaka, A. Accidental introduction of symbionts with imported freshwater shrimps. In: Koike, F., Clout, M. N., Kawamichi, M., De Poorter, M. & Iwasaki, K. (eds.), Assessment and Control of Biological Inversion Risks, pp. 182-186. IUCN, Gland, Switzerland and Cambridge, U. K., and Shoukadoh Book Sellers, Kyôto, Japan.

Scutraiella sp. obtained from live specimens of Northeastern Chinese freshwater shrimp introduced into Japan. Cf. Kawakatsu, Gelder, Ponce de León, Volonterio, Wu, Nishino, Ohtaka, Niwa, Fujita, Urabe, Sasaki, Kawakatsu (M.-y.) & Kawakatsu (T.), (2007): 24-25.

Shang, Y.-C. Trial-error learning in animals. Bull. Biol. for 2006 (1). Cited: Web abstract in Chinese only. http://www.ilib.cn/A-swxtb200601005.html

Wang, A.-T. & Deng, L. A new species and one newly recorded species of the genus Gieysztoria from China (Platyhelminthes, Rhabdocoela, Daslyelliioidda). Acta Zootax.

Sinica for 2006, 31 (1). Cited web abstract in Chinese only. http://scholar.ilib.cn/Abstract.aspx?A=dwfl200601018

Gieysztoria pulchra Wang et Deng, 2006 was described as a new species. *Gieysztoria macrovariata 9-spinosa* Luther, 1955 was reported as a new record. All specimens are deposited at the Morphological Laboratory, College of Biological Science, Shenzhen University.

Wang, Y.-I., Guo, G.-W., Gao, R.-C., Chen, W.-L., Yao, L.-J., Zhong, X.-R. & Zhang, G.-M. The epidemic, harm and control of the *Pse[u]dograffilla* sp. in marine cultured fish. Jour. Fishery China for 2006 (2). Cited: Web abstract in Chinese only. http://www.ilib.cn/A-scxb200602020.html

Authors found an unreported new planarian species that parasitized widely on the fishes of Fu-Jian waters on gills, fins and body surfaces, causing 20-60% fish mortality.

Wang, Y.-X., Chen, Y.-C. & Zhāng, L.-J. Sexual reproduction process of *Dugesia japonica* in Shandong. Sichuan Jour. Zool. for 2006 (4). Cited: Web abstract in Chinese only. http://scholar.ilib.cn/A-scdw200604029.html

Planarians of this sexual population laid many cocoons in April; they hatched in May. Juveniles hatched from a single cocoon vary from 3 top 10 in numbers.

Xu, Y.-Q., Ráo, X.-C. & Chen, Y.-S. New distribution location of *Temnocephala semperi* in Fujian Province, China. Chinese Jour. Zool. for 2006 (5). Cited: Web abstract in Chinese only. http://scholar.ilib.cn/Abstract.aspx?A=dwxzz200605014

Temnocephala semperi was found from body surface of the stone crab. *T. semperi* in turn, was parasitized by a nematode species. Authors underwent morphological study, habitat, feeding and distribution of *T. semperi* in the creeks of Min-Ching Mountain Area.

Yi, Y.-Q., Liang, Y. & Wang, A.-T. The biological characteristics of *Microdalyellia sinensis* and *Gieysztoria macrovariata* in China. Acta Zootax. Sinica, 3 (4): 84-90. Cited: Web abstract in Chinese only. http://scholar.ilib.cn/A-dwxzz200601014.html http://engine.cqvip.com/content/q/94741x/2006/041/001/zk05_q6_21266539.pdf

Breeding behavior of 2 dalyelloid species in China is described. These species are: *Microdalyellia sinensis* (Weise, 1942) and *Gieysztoria macrovariata 9-spinosa* Luther, 1955.

Taxonomic Proposal. Luther's (1955) subspecific epitet of *Gieysztoria macrovariata* (Weise, 1942) offends the ICZN, 4th Ed. (1999), Art. 5.2; Art. 11.2, 4.2; Art. 27; Art. 28 and Art. 32.5.2. These were nearly the same in the 2nd Ed. (1964) and the 3rd Ed. (1985) of the Code. The following scientific name (with author's name and published year) seems to be justifiable.

2007

Kawakatsu, M., Kawakatsu, M.-Y. & Kawakatsu, T. A list of articles published by Kawakatsu's team in the Bulletin of Fuji Women's College, Ser. II, Nos. 5-39 (1967-2001) and the Bulletin of Fuji Women's University, Ser. II, Nos. 40-43 (2002-2005). Kawakatsu's Web Library on Planarians: Jan. 20, 2007. http://victoriver.com . Bar: Occ Publ BL FWC.

Titles of serial papers published by the Kawakatsu's team are listed. The series including Chinese planarians are: A List of Publications on Japanese Turbellarians, etc., 1968-2005; A New Series of Studies on the Freshwater and Land Planarians from Taiwan, I-VI, 1985-1989; A Land Planarian Indices Series, 1987-2005. Papers on taxonomic articles on Taiwan and Chinese planarians (1968, 1978, 1999) are also listed.

Kawakatsu, M., Kawakatsu, M.-Y. & Kawakatsu, T. Reduced print of the first pages of 34 articles from the Occasional Publications <Issued from the Biological Laboratory of Fuji Women's College, Sapporo (Hokkaidô), Japan (Nos. 1-34: 1970-2000)>. Kawakatsu's Web Library on Planarians: May 10, 2007. http://victoriver.com . Bar: Occ Publ BL FWC.

Note 1. <Welcome to 'planarian.net'!> (http://planarian.net) is a continuation from the Occ. Publ., Biol. Lab., Fuji Women's College. See also http://victriver.com . Bar: planarian.net mirror.

Note 2. The pdf versions of every article in the series are available at Kawakatsu's private collection (magneto-optical discs).

Kawakatsu, M., Gelder, S. R., Ponce de León, R., Volonterio, O., Wu, S.-K., Nishino, M., Ohtaka, A., Niwa, N., Fujita, Y., Urabe, M., Sasaki, G.-Y., Kawakatsu, M.-Y. & Kawakatsu, T. An annotated bibliography of the Order Temnocephalida (Platyhelminthes, Rhabdocoela, "Turbellaria") from Japan, Taiwan, China and Korea, with other Far Eastern records of Temnocephalids. Kawakatsdu's Web Library on Planarians, Jan. 20, 2007. http://victoriver.com . Bar: Temnocephalid.

Kawakatsu, M., Nishino, M. & Ohtaka, A. Currently known exotic planarians from Japan. Jap. Jour. Limnol., 68: 461-469. (In Japanese, with English summary.)

Bipalium nobile Kawakatsu et Makino, 1982 is mentioned. This giant bipaliid species is believed as an exotic species in Japan (probably from Southern China).

Kawakatsu, M., Wu, S.-K., Sluys, R., Sasaki, G.-Y., Kawakatsu, M.-Y.) & Kawakatsu, T. An annotated bibliography of Taiwan land planarians, with lists of linked papers on this animal group. Kawakatsu's Web Library on Planarians, Feb. 20, 2007.

http://victoriver.com . Bar: Taiwan LPs Bibliog.

This web article contains the 5 chapters as follows:

1, An annotated bibliography of Taiwan land planarians; 2, Papers on land planarians from the Far East; 3, Land planarian indices (1987-2005, continuation); 4, Web articles on some historical information on land planarians; 5, A list of publications on Japanese Turbellarians and resources on the web.

Liu, C.-L., Wéi, C.-P. & Hu, T.-S. The factors influencing *Dugesia japonica* feeding behaviors. [Factors affecting *Dugesia japonica* feeding behavior. Jour. Biol., China, for 2007 (1). Cited: Web abstract in Chinese only.
http://scholar.ilib.cn/A-swxzz200701016.html

The weak light intensity and low temperature were the best factors for feeding. Among the artificial foods, *Dugesia japonica* prefers egg yolks. Length of hunger proportional to thee desire of feeding, and the ability of feeding disappear when its 'ear-processes' *i.e.*, auricles) if damaged.

Liu, C.-L. & Wéi, C.-P. Effect on existing and regeneration of Dugesia japonica by potential hydrogen changes. [Effects of potential hydrogen-ion concentrations of culture water for the life and regeneration of *Dugesia japonica*]. Environment. Sci. Survey for 2007 (2). Cited: Web abstract in Chinese only.
http://scholar.ilib.cn/A-ynhjkx2007702002.html

Liu, C.-L., Wéi, C.-B. & Wu, Y.-M. The effect of five kinds of used battery soakage liquids on *Dugesia japonica* life and feeding. [Effects of the five used-battery-soakage-liquids on the life and feeding behavior of *Dugesia japonica*]. Carcin. Teratog. & Mutag. for 2007 (3). Cited: Web abstracts in Chinese only.
http://scholar.ilib.cn/A-abjbtb200703019.html
http://www.egh.net.cn/qikan/manage/htmlwenzhang/200703019.htm

This paper reports that the possibility of using *Dugesia japonica* as an indicator for assessing water pollution induced by the used batteries.

Liu, Z.-H., Liu, S.-P., Zhāng, H. & Zhu, X.-T. Effects of Fe^{3+} stress on catalase activity of *Dugesia japonica*. Jiangsu Agric. Sci. for 2007 (1). Cited: Web abstract in Chinese only. http://www.ilib.cn/A-jsnykx200701080.html

Dugesia japonica was cultured in 0.5, 1.0, 1.5 and 2.0 mg/kg $FeCl_3$ solutions for 7 days. After 7 days protein was extracted and measured its catalase (CAT) activity. The results showed CAT activity were 17.74, 22.08, 16.28 and 16.53 U/mg. The results showed CAT activity were 17.74, 22.08, 16.28 and 16.53 U/mg, respectively. *Dugesia* cultured in the tap water was 16.58 U/mg. The results demonstrated that under low Fe^{3+} concentration, CAT activity increases while at high Fe^{3+} concentration the CAT activity maintained at the normal level as that in the tap water culture due to its ability to

adjust.

Peng, S., Liu, X.-M., Wang, A.-T & Qiu, H.-L. A newly recorded order of Turbellarians with a newly recorded species from China (Lecithoepitheliata, Prorhynchidae). Acta Zootax. Sinica for 2007, 32 (2). Cited: Web abstract in Chinese only.
http://scholar.ilib.cn/A-dwfl200702032.html

Prorhynchus stagnalis Schultze, 1851 (Family Prorhynchidae Hallez, 1851 in the Order Lecithoepitheliata) was recorded from Guangdong Province, Southern China.

Xue, D.-M., Chen, G.-W., Niu, J.-F. & Liu, D.-Z. Three methods indicating the nervous system of the freshwater planarians *Dugesia japonica*. Chinese Jour. Zool. for 2007 (2). Cited: Web abstract in Chinese only.
http://scholar.ilib.cn/A-dwxzz200702013.html

Hematoxylin-Eosin, Masson and Van Gieson stain methods were used to study the nervous system of *Dugesia japonica*. All 3 methods demonstrated clearly the nervous system. Only Masson stain demonstrated nicely pharyngeal nerve.

You, B.-W. [A bipaliid land planarian] [Animal stories <Dongwu Lùntán>]. Natura-China. Com. Cited: Web abstract in Chinese only.
http://bbs.nature-china.net/animal/viewthread.php?tid=16376

Zahang, X. & Huang, S.-J. Karyotype studies of freshwater *Dugesia* planarians from China. Acta Hydrobiol. Sinica for 2007 (3). Cited: Web abstracts both in Chinese and English.
http://scholar.ilib.cn/A-ssswxb200703014.html
file://C:¥DOCUME~1¥Owner¥LOCALS~1¥Temp¥TI1MB6H2.htm

Dugesia sp. collected from 3 localities in China has 3 karyotypes, i.e., 2x=16 (diploid), 3x=24 (triploid) and 2x & 3x = 16 & 24 (mixoploid), respectively. The samples used seem to be *Dugesia japonica* Ichikawa et Kawakatsu, 1964. Cf. Ichikawa & Kawakatsu (1964 b)

URLs on Chinese "Turbellarians" Searched by Taxonomic and Ecological Groups

<Turbellarians>

http://service.ilib.cn/Search/Search.aspx?Query=%e6%b6%a1%e8%99%ab&P=1

http://service.ilib.cn/Search/Search.aspx?Query=%e6%b6%a1%e8%99%ab&P=2

http://service.ilib.cn/Search/Search.aspx?Query=%e6%b6%a1%e8%99%ab&P=3

http://service.ilib.cn/Search/Search.aspx?Query=%e6%b6%a1%e8%99%ab&P=4

http://service.ilib.cn/Search/Search.aspx?Query=%e6%b6%a1%e8%99%ab&P=5

http://service.ilib.cn/Search/Search.aspx?Query=%6%b6%a1%e8%99%ab&P=6

<Chinese Freshwater Planarians>

http://service.ilib.cn/Search.aspx?Query=%e4%b8%ad%e5%9b%bd%e6%b7%a1%e6%b0%b4%e6%b6%a1%e8%99%ab

<Freshwater Planarians from Our Country>

http://service.ilib.cn/Search/Search.aspx?Query=%e6%88%91%e5%9b%bd%e7%9a%84%e6%b7%a1%e6%b0%b4%e6%b6%a1%e8%99%ab

<Planarians Turbellaria China>

http://service.ilib.cn/Search/Search.aspx?Query=Planarians+Turbellaria+China

<Freshwater Planarians Turbellaria>

http://service.ilib.cn/Search/Search.aspx?Query=Freshwater+Planarians+Turbellaria&Submit=Search

<Planarians Turbellaria Liu de-zeng>

http://service.ilib.cn/Search/Search.aspx?Query=Planarians+Turbellaria+Liu+de-zeng&Submit=Search

<Rhabdocoela Dalyellioida China>

http://service.ilib.cn/Search/Search.aspx?Query=%e8%be%be%e6%b0%8f%e6%b6%a1%e8%99%ab%e5%b1%9e

<Test on acute toxicity of several domestic detergents>

File://C:¥DOCUME~1¥Owner¥LOCALS~1¥Temp¥LY8DABVR.him

http://service.ilib.cn/Search/Search.aspx?Query=Test+on+acute+toxicity+of+several+domestic+detergent+on+Dugesia+japonica

Several other items

Dugesia Planarians Biological Study; *Dugesia japonica* China Reproduction; Freshwater Triclads Chromosomal Study; Planarian Regeneration and Temperature; Chinese Freshwater Planarians and RAPD Analysis; etc.

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Appendix is given in the following pages (Explanation on p. 50; copies of 42 Chinese items on pp. ① - ⑧).