

## LITERATURE REVIEW

AIRY SHAW, H.K.

1981 : The Euphorbiaceae of Sumatra.

Kew Bull. 36 (2) : 239-374, with 12 figures and one map.

Sumatra is, on the whole, even less well collected than New Guinea. The flora appears to contain a few endemic species of this family, but only one endemic genus *Loerzingia* Airy Shaw.

An artificial key to 59 genera is given. Each genus is provided with a key to species and short diagnostic accounts.

The family Stilaginaceae with the only genus *Antidesma* of 17 species and Pandaceae (*Galearia* and *Microdesmis*) are appended with the same treatment as for Euphorbiaceae.

Three new Euphorbiaceae species have been described : *Claoxylon tenuiflorum* A. Shaw; *Drypetes ochrodashya* A. Shaw; and *Glochidion leucocaspum* A. Shaw.  
BASS, P.R., GEESINK, W.A. VAN HEEL and J. MULLER

1979 : The affinities of *Plagiopteron suaveslens* Griff. (Plagiopteraceae).  
Grana 18 : 69-89, with 7 figures.

The monotypic genus *Plagiopteron* has affinities with Elaeocarpaceae and Violaceae on its characters of flower, pollen and gross morphology.

This interesting taxon was first collected by Griffith in 1843 from Mergui and described by him in 1844. The second collection was made by Maxwell in 1974 from Saraburi and the third collection by Beusekom & Smitinand in 1975 from Chanthaburi, Thailand.

BANDO, T., S. WATANABE & T. NAKANO.

1981 : Desmids from soil of paddy fields collected in Java and Sumatra.

Tukar-Menukar 1 : 7-23, with 4 figures.

The desmid flora known from nine soil samples of paddyfields collected in Java and Sumatra, includes 77 species and 8 varieties belonging to 16 genera.

CHANG, C.W. & Y.Z. ZHAO

1981 : A new species of the genus *Oxytropis* DC. from Nei Monggol (Inner Monggol).

Acta Phytotax. Sin. 19 : 523-524, with one figure.

*Oxytropis nei-monggolica* Chang & Zhao in Leguminosae is described and illustrated.

CHANG, H. & B. LEE

1981 : Three new species of *Camellia* from Hunan.

Acta Phytotax. Sin. 19 : 364-366.

The new species are: *C. setiperulata* Chang & Lee, *C. temganica* Chang & Lee, and *C. phellocarpa* Chang & Lee.

CHANG, T.B. & W.C. LI

1981 : A new variety of *Quercus variabilis* Bl.

Acta Phytotax. Sin. 19 : 117, with one photograph.

*Quercus variabilis* Bl. var. *pyramidata* Chao & Li is described based on a collection from Henan.

CHEN, S.C.

1981 : New or little known species of Chinese Liliaceae.

Acta Phytotax. Sin. 19 : 500-504, with 2 figures.

Dealing with 6 taxa, of which 4 are described and illustrated.

CHEN, S.L., SHENG, G.Y. and WEN, T.H.

1981 : *Ampelocalamus*—A new genus of Chinese Bamboo.

Acta Phytotax. Sin. 19 : 332-334, with one figure.

The new monotypic genus is proposed based on *Ampelocalmus actinotrichus* (Merr. & Chum) Chen, Wen & Sheng formerly known as *Arundinaria actinotricha* Merr. & Chun (1935) from Hainan Island in Quangdong Province.

CHEN, Y.

1981 : A study on Chinese *Sparganium*.

Acta Phytotax. Sin. 19 : 43-56, with 3 figures.

Ten species are enumerated with 3 new records and 3 new species; they are divided into 4 sections. It is apparent that the genus *Sparganium* forms a connecting link to the genus *Typha*.

CHEN, Y.

1981 : A new species of *Nannoglottis* from Qinghai.

Acta Phytotax. Sin. 19 : 114-115, with one figure.

*Nannoglottis qinghaiensis* Chen (Compositae) is described and illustrated.

CHEN, Y., S. LIANG & K PAN

1981 : Taxa nova compositarum e Flora Xizangensi (Tibetitca).

Acta Phytotax. Sin. 19 : 85-106, with 12 figures.

Twenty-eight taxa are described and illustrated, belonging to the genera *Heteropappus* (1), *Aster* (2), *Rerigeron* (1), *Leontopodium* (1), *Senecio* (6), *Sauseurea* (17).

CHIA, L.C. & H.L. FUNG

1981 : *Leptocanna*, a new genus of Bambusoideae from China.

Acta Phytotax. Sin. 19 : 211-214.

The new monotypic genus is based on *Schizostachyum chinensis* Rendle, hence the new combination is *Leptocanna chinensis* (Rendle) Chia & Fung. The new genus belongs to the tribe *Melocanneae* Benth.

CHIA, L.C. & H.L. FUNG

1981: New species of the genus *Bambusa* Schreber from China.

Acta Phytotax. Sin. 19: 367-378.

Fourteen species of *Bambusa* are described as new to science mostly from Guangdong and Guangxi (one species) based on sterile material.

CHIN, Tsen-li

1981: New species of the genus *Phyllanthus* of China and its confused species.

Acta Phytotax. Sin. 19: 345-350, with 2 figures.

The new species are *P. echinocarpus* Chin from Yunnan and *P. leiboensis* Chin from Sichuan. A key to 22 taxa is provided.

CHING, R.C. & C.H. WANG

1981: *Breviarium plantarum novarum aspidiacearum sinicarum*.

Acta Phytotax. Sin. 19: 118-130.

Thirty-eight new taxa of ferns are described covering the genera *Ctenitis* (20 spp.); *Pleocnemia* (2 spp.); *Tectaria* (15 spp.); and one species of *Pteridrys*.

CHU, C.C. & C.S. SUN

1981: Chromosome numbers and morphology in *Cathaya*.

Acta Phytotax. Sin. 19: 441-446, with one figure

The chromosome number of *Cathaya argyrophylla* is  $2n = 24$ .

CHU, P.S.

1981: Observations on the chromosome numbers of Chinese ferns.

Acta Phytotax. Sin. 19: 451-455, with one figure.

Chromosome numbers of 13 species of Chinese ferns are listed.

DAI, Q.H.

1981: One new variety of *Sinocalamus* from Guangxi

Acta Phytotax. Sin. 19: 261-262, with one figure,

*Sinocalamus minor* McClure var. *amoenus* Dai & Huang is described and illustrated.

DUDLEY, T.R.

1980: Two new variants of *Ilex* (Aquifoliaceae) from Eastern Asia (China) and the Philippines.

Feddes Rep. 91: 577-579.

One new form and one variety.

FANG, W. & Z. PAN

1981 : New species of *Vaccinium* from China.

Acta Phytotax. Sin. 19 : 107-113.

Nine taxa are described from Guangdong and Yunnan.

FANG, W.P. & S.Y. LIANG

1981 : Two new varieties of *Acer* from Guangxi.

Acta Phytotax. Sin. 19 : 116-117.

*Acer cinnamomifolium* Hayata var. *microphyllum* Fang & Liang and *A. fabri* Hance var. *dolichophyllum* Fang & Liang are described.

FORMAN, L.L.

1981 : A revision of *Tinospora* (Menispermaceae) in Asia to Australia and the Pacific. The Menispermaceae of Malesia and adjacent areas: X.

Kew Bull. 36 (2) : 375-421, with 4 figures.

The 23 species of *Tinospora* miers which occur in Asia to Australia and the Pacific are revised. *Fawcettia* F. Muell. is regarded as a synonym and the resulting new combination *T. tinosporoides* (F. Muell.) Forman is made. Three new species are described: *T. angusta*, *T. baenzigeri* and *T. neocaledonica*. The leaves of *T. arfakiana* Becc. are described for the first time.

Species recorded from Thailand: *Tinospora chinensis* (Lour.) Merr [Syn. *T. malabarica* (Lam.) Hook. f. & Thoms.]; *Tinospora crispa* (Linn.) Hook. f. & Thoms.; and *T. baenzigeri* Forman.

GAO, C.

1981 : Species novae *Lysimachiae* e Guangxi.

Acta Phytotax. Sin. 19 : 359-363, with 4 figures.

Four new species of *Lysimachia* are described: *L. linguensis* Gao, *L. crassifolia* Gao & Fang, *L. filipes* Gao & Fang, and *L. tianyangensis* Gao.

HE, G.F., Z.W. MA, W.F. YIN & M.L. CHENG

1981 : On serratene components in relation to the systematic position of *Cathaya* (Pinaceae)

Acta Phytotax. Sin. 10 : 440-443, with 2 figures.

Seven known components of serratene family have been isolated from the trunk of the monotypic species *Cathaya argyrophylla* Chun & Kuang, endemic to China. A comparative study showed that *Cathaya* is related to the genera *Pinus* and *Picea*.

HONG, D.Y.

1981 : A new species of the genus *Tricarpelema* J.K. Morton from Xizang

Acta Phytotax. Sin. 19 : 529-531, with one figure.

*Tricarpelema xizangense* Hong (Commelinaceae) is described and illustrated.

HOTTA, M.

1981: A new genus of the family Araceae from West Sumatra  
Acta Phytotax. Geobot. 32(5-6): 142-145, with 2 figures.

The genus *Furtadoa* is described with *F. sumatrana* Hotta as the type. This monotypic genus is closely related to *Homalomena*.

HSU, Yong-chong, Cong-jiao WANG, Cheng-yeh WU & Hsi-wen LI.

1981: *Trigonobalonus* Forman, a new recorded genus of Fagaceae in China.  
Acta Bot. Yunnanica 3: 213-215.

*T. doichangensis* (Camus) Forman now also found in Yunnan, at 1,080 m.

HUANG, X.L., B.J. YANG, & Z.B. Hu.

1981: Diterpene quinone of *Salvia* Linn. and their taxonomic significance.  
Acta Phytotax. Sin. 19: 421-433, with 4 figures and 4 tables.

Seventy-nine species of *Salvia* have been analysed for diterpene quinone constituents by different chemical methods.

Diterpene quinone is found a chemotaxonomic character of phylogenetic significance, and thus a new subfamily, *Salvioideae*, is proposed.

HWANG, S.M.

1981: Materials for Chinese *Aristolochia*  
Acta Phytotax. Sin. 19: 222-231, with 8 figures.

Ten species are dealt with, 8 of which are described and illustrated as new to science. Two new combinations are made and a new variety is recognised.

IWATSUKI, K.

1981: Studies in the systematics of filmy ferns V. A note on the identity of *Macroglena*.

Hikobia Suppl. 1: 59-66, with 10 figures.

Critical observations are made for all the species included in *Macroglena*. *Macroglena* is a heterogeneous assembly of species, pending the formal revision with nomenclatural treatment in further study.

JUDD, Walter S.

1981: A monograph of *Lyonia* (Ericaceae) [Cont. fr. Vol. 62 (2): 209].  
J. Arn. Arbo 62 (3): 315-436, with figs. 31-61; maps 15-32.

Dealing with the section *Lyonia* encompassing species nos. 9-35, all belonging to America and the Caribbean Islands.

KITAGAWA, N.

1981: Studies on the Hepaticae of Thailand. IV. *Anastrophyllum* and allied genera.

Bull. Nara Univ. Educ. 30 (2): 41-48, with 2 figures.

Six species are treated in this paper; a new combination is made.

## KITAGAWA, N.

1981 : Two interesting species of the Hepaticae from the Philippines.

Misc. Bryol. Lichen. 9(1): 8-10, with 2 figures.

*Triandrophyllum subtrifidum* (Hook. f. & Tayl.) Fulf. & Hatch is a new record and *Jackiella singaporensis* Schiffn. var. *philippinensis* N. Kit. is a new variety from the Philippines.

1981 : Miscellaneous notes on little-known species of Hepaticae, 51-70.

Hikobia Suppl. 1: 67-72.

A study on little-known species of various genera of Jungermanniales: 20 species are reduced under the synonymy of earlier described species, 3 species are transferred to other genera, and thus new combinations are made.

The following species occur in Thailand: *Cololejeunea shimizui* N. Kitag., *Lepidozia himalayensis* Steph., and *Mastigolejeunea repleta* (Tayl.) Steph.

## KITAMURA, S.

1981 : On three Compositae species of Nepal.

Acta Phototax. Geobot. 32(5-6): 139-141.

A new combination of a variety of *Eupatorium cannabinum* Linn. subsp. *asiaticum* Kitam. is made; two new species are described: *Saussurea laminamaensis* Kitam. and *Senecio topkegolensis* Kitam.

## KUAN, C.T.

1981 : Fundamental features of the distribution of Coniferae in Sichuan.

Acta Phytotax. Sin. 19: 393-407, with 6 maps.

There are so far 19 genera and 68 species belonging to the Pinaceae, Taxodiaceae and Cupressaceae in Szechuan Province. This paper deals with the fundamental features in the distribution of these plant groups of great importance to forestry.

Among the 18 genera and 27 species in the eastern area, 6 monotypic genera are present; only one monotypic genus is present among 13 genera and 56 species in the western area. It is certain that the western elements are of very old origin.

## LAN, Y.Z. &amp; T.Y. CHEO

1981 : On the Chinese genus *Solms-Laubachia* Muschler (Cruciferae)

Acta Phytotax. Sin. 19: 472-480, with 3 figures.

The genus *Solms-Laubachia* is endemic to China, except that one species does occur in Sikkim. Thirteen species, 3 varieties and 3 forms are enumerated, including 3 new species, one new variety and a new record.

## LANG, K.

1981 : New taxa of the Genus *Aspidistra* from China.

Acta Phytotax. Sin. 19: 379-385, with one figure.

Four species are described from Hunan, Guizhou and Quangxi.

LEE, Y.Y.

1981 : A new species of Characeae from Xizang.

Acta Phytotax. Sin. 19 : 267-268, with one figure.

*Tolypella xizangensis* Lee is described and illustrated.

LI, F.Z. & C.K. NI

1981 : A new species of *Amaranthus* from Shantung.

Acta Phytotax. Sin. 19 : 116.

*Amaranthus taishanensis* Li & Ni is described.

LI, H.

1981 : Classification, distribution and Phylogeny of the genus *Ottelia*.

Acta Phytotax. Sin. 19 : 29-42, with 4 figures.

The study is based on the material collected in the lakes of Yunnan. The genus is divided into two subgenera each of which is subdivided into 2 sections. Three species and 4 varieties are recognized from China; one new combination is made and two new varieties are proposed.

LI, X.H.

1981 : Some new species of the genus *Garcinia* from South China.

Acta Phytotax. Sin. 19 : 490-499, with 6 figures.

Seven new taxa are described and illustrated, based on collections from Yunnan and Guangxi.

LING, Y.R.

1981 : Two new varieties of Olacaceae and Combretaceae from China.

Acta Phytotax. Sin. 19 : 388-389, with 2 figures.

*Schoepfia jasminodora* Sieb. & Zucc. var. *malipoensis* Ling and *Combretum olivaeforme* Chao var. *yaxianense* Ling are described and illustrated, based on collections from Yunnan and Guangdong, respectively.

LIU, Y.L.

1981 : New taxa of *Cynoglossum* L. from China.

Acta Phytotax. Sin. 19 : 519-520.

One new species and one new variety are described.

MITSUTA, S.

1981 : Vernation of *Lepisorus* and *Pleopeltis* (Polypodiaceae)

Acta Phytotax. Geobot. 32 (5-6) : 147-164, text in Japanese with English summary.

Vernation of *Lepisorus*, *Pheopeltis* and 10 allied genera was observed in various stage of juvenile leaves, and the developmental patterns were compared with one another.

The process of venation formation in the juvenile leaves of *Lepisorus* coincides that of *Lemmaphyllum*, *Belvisia*, *Microsorium*, *Neocheiropteris*, and *Colysis*, while that of *Pleopeltis* is similar to that of *Phlebodium*, and *Microgramma* similar to *Polypodium* and *Goniophlebium*.

MULLER, J.

1981: Fossil pollen records of extant Angiosperms.

Bot. Rev. 47 (1): 1-142, with 2 tables.

The fossil record of angiosperm pollen types which are comparable to recent taxa is evaluated. Special attention is paid to the dating of the sediments. Evidence for 139 families is considered to be reliable.

NARUHASHI, N.

1981: Notes on the taxonomy of *Rubus* in Indonesia 1,

Tukar-Menubar 1: 25-35, with 19 figures.

Six species of *Rubus* are reported with observations on their characteristics and habitats.

PAN, Z.H. & H.C. CHIN

1981: A report on the chromosome numbers of Chinese Umbelliferae.

Acta Phytotax. Sin. 19: 447-450, with one table.

Chromosome numbers of 26 species and varieties of Chinese Umbelliferae are tabulated, of which 13 counts are new records.

QI, C.J.

1981: A new species of Styracaceae from Hunan.

Acta Phytotax. Sin. 19: 526-528, with one figure.

*Sinojackia dolichocarpa* Qi is described and illustrated.

RAMACHANDRA CHARY, S.T. and J.J. WOOD

1981: A new species of *Habenaria* (Orchidaceae) from India.

Kew Bull. 36 (2): 235-237, with one figure.

*Habenaria ramayyana* Ramachandra Chary & Wood from Andhra Pradesh State, India, is described and illustrated.

RUAN, Yun-zhen

1981: On the Chinese species of *Drosera* L.

Acta Phytotax. Sin. 19: 339-344.

Five taxa of *Drosera* are enumerated, of which one new species, *D. oblanceolata* Ruan, is described from Quangdong and Quangxi. Two new varieties of *D. peltata* Smith are recognized: *D. peltata* var. *multisepala* Ruan and *D. peltata* var. *glabrata* Ruan.

SUN, S.C. & H.Q. Wang

1981 : Four new species of Chinese *Eragrostis*.

Acta Phytotax. Sin. 19 : 511-514, with one figure.

The new species are described and illustrated.

TAKHTAJAN, A.L.

1980 : Outline of the classification of flowering plants (Magnoliophyta).

Bot. Rev. 46 (3) : 225-359.

The new outline on the classification of flowering plants is proposed. The Angiospermae is called Magnoliophyta, which is subdivided into 2 classes: Magnoliopsida (Dicotyledones) and Liliopsida (Monocotyledones).

Magnoliopsida is classified into 7 subclasses consisting of 72 orders; Liliopsida into 3 subclasses consisting of 21 orders.

The new approach on the classification is based on a thorough study of vegetative and floral structures, resulting in the re-arrangement of flowering plants from the taxonomic-phylogenetic point of view.

THOMPSON, J.N.

1981 : Reversed animal-plant interactions : the evolution of insectivorous and out-fed plants.

Biol. J. Linn. Soc. 16 : 147-155.

Insectivorous plants and out-fed plants represent the two ways in which plants have evolved to utilize directly nutrients derived from animals. Both insectivorous and out-fed plants evolve in environments with very low levels of availability of nutrients in the substrate; the primary use of the animal food is probably nitrogen.

Most insectivorous plants evolve as herbs in wet, sterile soils or in sterile aquatic habitats; out-fed plants evolve as epiphytes on trees in open-canopied habitats. These kinds of animal-plant interactions are relatively rare because the environments in which they are favoured by selection are uncommon.

TOYOKUNI, H.

1981 : Studies on the Gentianaceae of Thailand. I. Notes on *Exacum* (Gentianaceae-Exacinae).

Acta Phytotax. Geobot. 32 (5-6) : 198-203, with 5 figures.

Dealing with 3 known species, a new variety is described, *Exacum sutaepense* Hoss. var. *gracile* Toyok., based on a collection from Khao Photo Luang Kaeo, Ranong.

TSI, Z.H.

1981 : New species of Orchidaceae from China.

Acta Phytotax. 19 : 505-510, with one figure.

Three species and 3 varieties of *Phaius* and *Calanthe* are described.

TSOONG, P.C. & C.Y. MA

1981 : A study on the genus *Sophora* Linn.

Acta Phytotax. Sin 19 : 2-22, with 2 figures.

This part deals with the subgenus *Sophora* section *Disamaca* and section *Pseudosophora*, comprising 11 species.

*S. dispar* Craib is reduced to synonymy of *S. dunnii* Prain.

WANG, C.P. & Q.Z. XIE

1981 : *Trirostellum*, a new genus of the Cucurbitaceae from China.

Acta Phytotax. Sin. 19 : 481-484, with one figure.

*Trirostellum* is created as a new genus to accommodate 2 species, one of which is described as new to science and designated as the type of the genus, *T. yixingense* Wang & Xie.

WANG, J.P.

1981 : A revision of Daphniphyllaceae in China.

Acta Phytotax. Sin. 19 : 75-84, with one figure.

Sixteen taxa are recognised of which one new species is described, and a number of new changes in status and varieties are proposed in the genus *Daphniphyllum*.

WANG, J.P., S.J. MENG, Q.H. ZHANG & G.F. HE

1981 : The fatty acid compositions of seed oils and their significance in the taxonomy of the family Ulmaceae.

Acta Phytotax. Sin. 19 : 416-420, with one table.

Twenty-two kinds of seed oils were extracted from 8 genera of the family Ulmaceae in China. The fatty acid compositions of these oils were found to fall into 2 classes: the lower saturated acids, chiefly capric acid 10:0 which occur in the genera *Ulmus* and *Zelkova*; the unsaturated acids, chiefly linoleic acid 18:2 which occur in the genera *Celtis*, *Pteroceltis*, *Aphananthe*, *Trema* and *Gironniera*. Thus the family can be split into two subfamilies in conformity with the morphological characters.

*Hemiptera davidii* (Hance) Planch. appears intermediate between the 2 subfamilies.

WANG, W.T.

1981 : Genus novum primitivum gesneriacearum e sina.

Acta Phytotax. Sin. 19 : 485-489, with one figure.

The new monotypic genus, *Thamnocharis*, is created to accommodate *Orecharis esquirolii* Lévl.; hence the new combination: *T. esquirolii* (Lévl.) Wang.

WEI, F.

1981 : New species of Guttiferae and Malpighiaceae from Guangxi.

Acta Phytotax. Sin. 19 : 355-358, with 4 figures.

The new species are: *Garcinia kwangsiensis* Merr. ex Wei (Guttiferae), *Hiptage fraxinifolia* Wei, *H. multiflora* Wei and *H. tianyangensis* Wei.

WEI, Z.

1981: *Antheroporum* Gagnep. (Leguminosae), a genus new to China.

Acta Phytotax. Sin. 19: 351-354, with one figure.

The genus is represented in China by 2 species: *A. harmandii* Gagnep. and the new species, *A. glaucum* Wei. The former occurs in the SW provinces of China, the latter is confined to Yunnan. A key to 3 known species is provided.

WOOD, D.

1974: A Revision of *Chirita* (Gesneriaceae).

Notes Roy. Bot. Gard. Edinb. 33 (1): 123-205.

*Chirita* (Cyrtandroideae-Dimocarpeae) is an Indo-Malaysian genus of at least 77 species divided into three sections. The species are herbaceous or slightly shrubby and usually grow in the ground layer of the forest. Features of interest include the foliar glands, the vascular supply to the stigma and (in section *Microchirita*) the epiphyllous inflorescence. Keys are provided to sections and species. For each species there is full synonymy, a description and citation of specimens.

Species occurring in Thailand, all belonging to Sect. *Chirita* and Sect. *Microchirita*, are as follows: *C. fulva* Barnett; *C. lacunosa* (Hook. f.) B.L. Burt (Smitinand & Sleumer 1151); *C. integra* Barnett; *C. purpureo-lineata* (Kerr) D. Wood; *C. trisepala* Barnett; *C. pumila* D. Don (Garrett 445); *D. anachoreta* Hance (Smitinand 6986); *C. macrophylla* Wall. (Garrett 412); *C. rotundata* Barnett; *C. speciosa* Kurz (Kerr 1164); *C. mollissima* Ridl. (Kerr 17265); *C. viola* Ridl.; *C. tubulosa* Craib; *C. hamosa* R. Br. (Garrett 198); *C. marcanii* Craib (Smitinand & Sleumer 1348); *C. micromusa* B.L. Burt (Smitinand 6984); *C. oculata* Craib (Kerr 9750); *C. elphinstonia* Craib; *C. bimaclata* D. Wood (B.L. Burt 5611; Garrett 1002 1280); *C. involucrata* Craib; *C. caerulea* R.Br. (syn. *C. kerrii* Craib); *C. rupestris* Ridl. (Larsen 9695, 9701).

WU, S.

1981: A study of the genus *Aleuritopteris* Fée in China.

Acta Phytotax. Sin. 19: 57-74, with 6 figures.

The author proposes to reinstate the genus *Aleuritopteris* Fée (1852) to *Cheilanthes* Baker (1897). The genus is represented by 25 species in China, of which 8 species and 3 varieties are described in this paper.

WU, Z.L. & X.M. ZHOU

1981: New supplement and eco-geographic distribution of the genus *Oryzopsis* in China.

Acta Phytotax. Sin. 19: 434-439, with 3 figures.

The genus *Oryzopsis* Michaux is divided into 3 Sections: *Oryzopsis*, *Sinoryzopsis* and *Piptatherum*.

Among *Sinoryzopsis*, the proposed new section, one new species and 3 new varieties are described from Xizang and Yunnan, respectively.

YAMAZAKI, Takasi

1978: New or noteworthy plants of the Scrophulariaceae from Indo-China (1).

J. Jap. Bot. 53: 1-11, with 6 figures.

Six new species of the genus *Lindernia* are described and illustrated, from Thailand, Cambodia and Vietnam.

Species from Thailand are: *L. cephalantha* Yamazaki, *L. maxwellii* Yamazaki *L. pierreanoides* Yamazaki, and *L. udawnensis* Yamazaki.

YAMAZAKI Takasi

1978: New or noteworthy plants of Scrophulariaceae from Indo-China (2).

J. Jap. Bot. 53: 97-106, with 6 figures.

Six new species belonging to the genera *Lindernia*, *Scolophyllum*, *Schizotorenia*, and *Torenia* are described and illustrated from Thailand, Laos, Cambodia and Vietnam. *Scolophyllum* and *Schizotorenia* are new genera, based on *Ilysanthes ilicifolium* Bonati and *Torenia finetiana* Botani respectively.

The genus *Geoffraya* Bonati is treated as synonymous with *Lindernia* hence new names are proposed.

1979: New or noteworthy plants of Scrophulariaceae from Indo-China (3).

New taxa of *Limnophila*.

J. Jap. Bot. 54: 15-21, with 4 figures.

Four species and one subspecies are described as new to science. The new species are: *Limnophila siamensis*, *L. hayatae* and *L. parviflora* from Thailand; *L. verticillata* from Laos. The new subspecies is *L. polyantha* Kurz ex Hook. f. subsp. *brevipilosa* from Thailand and Vietnam.

1980: New or noteworthy plants of Scrophulariaceae from Indo-China (4).

J. Jap. Bot. 55: 1-13, with 1 figure.

One genus is proposed as new to science; 2 new species are described; and some critical study of various genera.

*Ancistrostylis* is the new monotypic genus based on *Herpestis harmandii* Bonati, hence *Ancistrostylis harmandii* (Bonati) Yamazaki is the new combination. *Adenosma elscholtzioides* in a new species from Thailand and Laos, and *A. annamense* is new from Vietnam.

*Sopubia comosa* (Bonati) Yamazaki is the new combination based on *Petitmenginia comosa* Bonati. *Mazus pumilus* (Butm. f.) van Steennis var. *macrocalyx* (Bonati) Yamazaki, a new combination, is reported for the first time in Thailand,

1980 : New or noteworthy plants of Scrophylariaceae from Indo-China (5).

J. Jap. Bot. 55: 204-208, with one figure.

Dealing with the genus *Pedicularis*, 5 species are enumerated of which one is newly described and illustrated: *P. thailandica* Yamazaki from Chiang Mai, Thailand. *P. corymbosa* Prain is a new record for Thailand, occurring in Chiang Mai and Loei.

YAMAZAKI, Takasi

1980 : New or noteworthy plants of Scrophylariaceae from Indo-China (6).

J. Jap. Bot. 55: 328-336, with 5 figures.

Six taxa are proposed as new to science and some taxonomic discussion on certain genera is included. The new species are: *Torenia vientianica* from Laos; *Lindernia pterogona* from Laos; *L. satakei* and *L. khaoyaiensis* from Thailand; *Limnophila cambodiana* and *L. poilanei* from Cambodia.

The author has the opinion that the monotypic *Dolichostemon* Bonati should be reduced to the genus *Dysophylla* El-Gazzar & Watson of the Labiatae; and the monotypic *Ancistrostylis* Yamazaki to the Acanthaceae related to the genus *Staurogyne* Wall.

YAN, S.Z.

1981 : On the chinese genera *Stewartia* Linn. and *Hartia* Dunn.

Acta Phytotax. Sin. 19: 162-471.

Four new taxa in each of the genera *Stewartia* and *Hartia* in Theaceae are described and illustrated.

YU, T.T. & C.L. LI

1981 : New species of *Sibbaldia* from China.

Acta Phytotax. Sin. 19: 515-519.

The genus *Sibbaldia* Linn. in Rosaceae is represented in China by 5 species. Four species are described as new and one is amended.

YING, T.S. & L.Q. LI

1981 : Ecological distribution of endemic genera of Taxads and Conifers in China and neighbouring area in relation to phytogeographical significance.

Acta Phytotax. Sin. 19: 408-415, with 3 maps.

Among the 30 genera and 158 species, there are 9 endemic genera of Taxads and Conifers in China and neighbouring areas, distributed in the mountain areas of southern, south-eastern and south-western regions at the altitudes of 100-1,800 m, with a few endemic genera reaching as high as 2,800 m.

It is probable that the southern, south-eastern and south-western parts of China are the main centres of recent distribution and the chief survival centres of endemic genera of Taxads and conifers of the world,

ZHOU, L., S.Y. YANG, Li-kuo FU & Shu-zhi CHENG

1981 : Two new species of *Cycas* from Sichuan.

*Acta Phytotax. Sin.* 19: 335-338.

Two new species of *Cycas* are described from Sichuan: *C. panghithuaensis* Zhou & Yang and *C. baguanheensis* Fu & Cheng. Both species are closely related to *C. taiwaniana* Carruth. and *C. revolute* Thunb.

ZHU, Z.Y. & J.L. ZHANG.

1981 : A new species of *Tupistra* from Liangshan, Sichuan.

*Acta Phytotax. Sin.* 19 : 521-522, with one figure.

*Tupistra lianshanensis* Zhu & Zhang is described and illustrated.

1981 : A new species of the genus *Aspidistra* from Emei

*Acta Phytotax. Sin* 19 ; 386-387, with one figure.

*Aspidistra omeiensis* Zhu & Zhang is described from Sichuan.

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