

XIV. BIBLIOGRAPHY

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Chromosome numbers.
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Summary of 20 years research; chromosomes confirmed earlier taxonomy; there are polyploid series; in some cases it has helped for natural grouping of spp.; no single basic number is found; no primitive genus can be indicated; it remains open whether the family is a natural one.

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Descr. of a galled bud of Dipterocarpus and its theoretical implications.
- : Studies in the Flora of Thailand 16. Moraceae (Dansk Bot. Ark. 23, 1963, 21-32, 2 fig.).
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Fig groups and island groups are considered rather in detail; there is no escape from the conclusion of an ancient transoceanic bridge between Melanesia and America. Agrees with Croizat that chance oversea dispersal is to be discarded.

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Theoretical considerations on classification looking rather highbrow to the practical taxonomist. In the summary supplied to the Symposium it was held that the question whether viruses are molecules or organisms leads to sterile controversy and considerable waste of time. I agree that we cannot answer this question at present, but the question itself is intrinsic, because if it can be demonstrated that virus is a disintegration product of genome molecules, a view which I would favour, virus is certainly not an organism. It is, for the rest, remarkable that such a Symposium is held by participants who have themselves but little practice in classification. Truly all our classifications are artificial, but this is a truism; from the living relict plant and animal world and some haphazard fossils we will never be able to trace the way in which the plant and animal evolved genealogically, but it is great fun and good exercise to try to come to a likely approach of the pathway of evolution in such places where some clues seem possible by using all methodologies we have.
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Descr.; no key; 6 spp.
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This second part runs from Lythraceae to Epacridaceae the largest family being the Compositae. New comb. are in Compos. and Epacrid.
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- & D. Choe: Characeous flora in Korea and its phytogeographical situation. I. (Algae) (Sc. Rep. 12, 1963, 93-104, 6 fig.).
Key and localities of 10 species.
- Ito, E.: Observations on the variations of the Chaelophylloides-Group of Viola in Japan (Bull. Nat. Sc. Mus. 6, 1962, 194-203, 5 fig.).
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- Iverson, G.B.: Karyotype evolution in the leafy liverwort genus Frullania (Hepat.) (J. Hattori Bot. Lab. 26, 1963, 119-170, 3 fig., 4 tables).

Iwatsuki, K.: Thelypteroid ferns of Thailand and Laos collected by Dr. T. Tuyama in 1957-58 (J. Jap. Bot. 38, 1963, 313-315).

List of 14 Thelypteris and 1 Meniscium; new comb. in Thelypteris.

----- : New or noteworthy ferns from the Tonga Islands (Amer. Fern J. 53, 1963, 133-138, 1 plate).
List; one new Cyclosorus.

Iwatsuki, Z.: A revision of the East Asiatic species of the genus Anomodon (Musci) (J. Hattori Bot. Lab. 26, 1963, 27-62, 12 fig., 2 maps).

Key; descr.

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Jacobs, M.: The genus Stixis (Capparaceae). A census (Blumea 12, 1963, 5-12, 1 fig.).

Monograph; key; descr.

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About 500 titles but largely not taxonomical.

----- : Studies in Indian ethnobotany. II. Plants used in medicine by the tribals of Madhya Pradesh (Bull. Region. Res. Lab. Jammu 1, 1963, 126-128).

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Jeffreys, M. D. W.: The banana in the Americas (J. Agric. Trop. Bot. Appl. 10, 1963, 189-203).

History of introduction.

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- : New species of *Juncus* in Australia and New Zealand (Contr. N.S.W. Nat. Herb. 3, 1963, 241-244).
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- & B.G. Briggs: Evolution in the Proteaceae (Austr. J. Bot. 11, 1963, 21-61, 4 fig., 1 table).
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- & O.D. Evans: A revision of the *Restio gracilis* complex (Contr. N.S.W. Nat. Herb. 3, 1963, 200-217, 5 fig., pl. 3-6).
Key to 7 species. Anatomy of culms described.
- & ----- : Intragenetic groups and new species (Contr. N.S.W. Nat. Herb. 3, 1963, 223-227).
Some new species; anatomy described.
- Johri, B.M.: Embryology and taxonomy. Taxa whose relationships have been confirmed on the basis of embryology (Recent Advanc. Embryol. Angiosp. 1963, 395-444, 14 fig.).
- Joseph, J.: A new species of Orchid from South India (J. Ind. Bot. Soc. 42, 1963, 222-224, 6 fig.).
Oberonia anamalayana from Coimbatore.
- Kachroo, P. & K.R. Bapna: On some recently described species of *Riccia* from India (Hepat.) (Proc. Nat. Inst. Sc. India 29B, 1963, 244-256).
Census; key.
- Kalani, I.K.: *Chaetosphaeria poonensis* sp. nov. from India (Fungi) (Sydowia 17, 1963, 121-123, 1 fig.).
- Kamat, N.D.: The Algae of Kolhapur, India (Hydrobiologia 22, 1963, 209-305, 111 fig.).
Key to all species, all from freshwater.

- Kapil, R.N.: Some recent examples of the value of embryology in relation to taxonomy (Bull. Bot. Surv. India 4, 1962, 57-66, 4 fig.).
Pentaphragma belongs to Campan. Remarks on Haloragid.
- & M.R. Vijayaraghavan: Embryology and systematic position of Pentaphragma horsfieldii (Miq.) Airy Shaw (Campan.) (Curr. Sci. 31, 1962, 270-272, fig. A-T).
Though somewhat aberrant the genus is rightly placed in Campanulaceae.
- Kapoor, L.D., Y.K. Sarin & A.K. Dutt: A botanical tour to Trikuta Hills, 34°N, 74°E (J. Bomb. Nat. Hist. Soc. 60, 1963, 530-545).
Descr.; veget.; plant list.
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- , V.S. Sharma & S. Chopra: A note on the occurrence of Rhynchospora longisetis R.Br. in India with some interesting observations (Cyper.) (J. Bomb. Nat. Hist. Soc. 60, 1963, 479-480, 1 pl.).
- Karling, J.S.: Indian Anisochytrids (Fungi) (Sydowia 17, 1963, 193-196, 6 fig.).
- : Indian Chytrids. I. Eucarpic monocentric species (Fungi) (Sydowia 17, 1963, 285-296, 31 fig.).
- : Indian Chytrids. II. Olpidium indicum sp. nov. (Fungi) (Sydowia 17, 1963, 302-307, 21 fig.).
- : Indian Chytrids. IV. Nowakowskiella multispora sp. nov. and other polycentric species (Fungi) (Sydowia 17, 1963, 314-319, 8 fig.).
- Kataki, S.K.: Notes on systematics, cytology and culture of Paphiopedilum venustum (Lindl.) Pfitz. (Orchid.) (Bull. Bot. Surv. India 5, 1963, 37-38, 2 fig.).
- Katayama, T.C.: Report on the Rice Collection Trip to Borneo and Java (Tokyo, 1963, pp. 1-28, 1 map, stencilled).
- Kaul, K.N.: Melia (Bull. Nat. Bot. Gard. no 59, 1962, 1-82, 16 tables).
Properties of Melia indica = Azadirachta indica.
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General.

- Keleny, G.P.: The origin and introduction of the basic food crops of the New Guinea people (The Papua N.G. Agric. J. 15, 1962, 7-13).
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- Kern, J.H.: Florae Malesianae Praecursores XXXII. Some new Cyperaceae (Blumea 12, 1963, 23-30, 3 fig.).
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- Khan, S.A.: Regeneration of Avicennia officinalis in the coastal forests of West Pakistan (Pak. J. For. 11, 1961, 43-45, 7 fig. (col.)).
- Kingston, D.J.: The physical processes involved in subsistence agriculture and the necessity therefor (Symp. Humid Trop. Veget. Unesco, Goroka 1960, 1963, 232-235).
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Keys; descr.
- : Lophoziaaceae of Taiwan (Formosa) (Hepat.) (Hikobia 3, 1963, 169-176, 1 fig.).
9 species listed; 1 new species; 4 new combinations.
- *Kitamura, S.: Flowering plants of West Pakistan (in Results Kyoto Univ. Sc. Exp. Karakoram 1955, vol. 3, 1964, 1-160, 60 fig., 40 plates, 3 maps).
Plant list; some new species.
- Knaap-van Meeuwen, M.S. & C.G.G.J. van Steenis: Reduction of Placolobium Miq. to Ormosia Jackson (Legum.-Pap.) (Blumea 12, 1963, 70).
- Knox, G.A.: The biogeography and intertidal ecology of the Australasian coasts (Oceanogr. Mar. Biol. Ann. Rev. 1, 1963, 341-404).
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Essay contains some major errors: acception of former northern occurrence of Nothofagus and southern Conifers; hypothesis that the genus Sophora probably evolved in New Zealand (sic, it is almost ubiquitous); unqualified judgements.

Kobayasi, Y. & D. Shimizu: Monographic studies of Cordyceps. 2. Group parasitic on Cicadidae (Fungi) (Bull. Nat. Sc. Mus. 6, 1963, 286-314, 17 fig., pl. 39-43).
Key to species; incl. 1 sp. from Papua.

Kobuski, C.E.: Studies in the Theaceae. XXXIV. Some Asiatic taxa of Ternstroemia (J. Arn. Arb. 44, 1964, 421-433).

Kochummen, K.M.: Keys for botanical identification of non-Dipterocarp timber trees of Malaya, based on field characters (Research Pamphl. For. Res. Inst. Kepong no 43, Nov. 1963, 119 pp., folio, stencilled).

Keys to genera, followed by an alphabetically arranged list of genera in which keys to species; of each genus and species a brief description of diagnostic field characters. Obviously carefully prepared. Author emphasizes that keys are only valid for genera and species inserted, not in a general way. In cases of name changes the synonym is mentioned, curiously indicated between brackets as 'Sym.' but obviously not referring to a paper, list or book by Symington.

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All savannahs are fire-climaxes in a forest area.

Kormos, J.: Artproblem in der Gattung Capsicum (Solan.) (Magyar Tud. Akad. Biol. Csop. Közl. 5, 1962, 271-280).
In Hungarian. 12 spp.; geogr.; hybrid.; distinction; origin of genus in S. America.

Košová, V. & M. Chládek: A pharmacognostic study of Datura metel and of D. innoxia (innoxia) (Pharmazie 12, 1957, 620-627).

Kostermans, A. J. G. H.: The influence of man on the vegetation of the humid tropics (Symp. Humid Trop. Veget. Unesco, Goroka 1960, 1963, 332-338).

Koyama, T.: The Indian species of Smilax (Liliac.) (Adv. Front. of Pl. Sc. 4, 1963?, 39-77, 9 fig.).
Key to sections and 24 species.

- : The genus Scirpus Linn. Critical species of the section Pterolepis (Cyper.) (Canad.J.Bot. 41, 1963, 1107-1131, 7 fig.).
Revision; key.
- : Studies in the Flora of Thailand 15. Smilacaceae (Dansk Bot.Ark. 23, 1963, 11-18, 3 fig.).
- Kupchan, S.M. c.s.: Menispermaceae alkaloids. 1. The alkaloids of Cissampelos pareira Linn. and the origin of Radix Pareirae bravae (J.Amer.Pharm.Assoc.Sc. 49, 1960, 727-731, 1 fig.).
This plant's roots and vines contain l-curine, d-isochondrodendrine, and hayatin. This drug and its alkaloids have curare action. There has been considerable controversy over the origin of Radix Pareira bravae. It seems likely that medicinally useful Pareira brava has originated at various times in the past from either C. pareira L. or from the species of Chondodendron which are now considered to be the true sources and which are used in preparing much of the Indian curare.
- c.s.: Menispermaceae alkaloids. 3. Alkaloids of Stephania hernandifolia (J.Amer.Pharm.Assoc.Sc. 50, 1961, 819-822, 1 fig.).
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- Kurata, S.: Notes on Japanese ferns (J.Geobot. or The Hokuriku J.Bot. 10, 1961, 34-38).
Some new species in Cyrtomium, Colysis, Byrsopteris.
- : Notes on Japanese ferns (J.Geobot. or The Hokuriku J.Bot. 11, 1963, 98-102).
Some novelties in Asplenium.
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Key and notes.
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Sirhookera lanceolata O.K.

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Data on *Halophila ovata*.
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Inventory of 38 species and vegetation descr.
- : Additional plants from the Midway Islands (Pacif. Sc. 17, 1963, 374).
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Ecological variation is continuous, not discontinuous in genetically and morphologically defined taxa.
- : Pattern and terms of intraspecific ecological variability (Nature 200, no 4904, 1963, 347-348, 1 fig.).
There is a continuity in the ecological variation of a population.
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Correct synonymy of *S. malaccana* Baker.
- : Studies in Zingiberaceae. III. On a new species of Kaempferia from Thailand and its relatives (Bot. Tidsskr. 58, 1962, 198-203, 3 fig.).
Key to 3 species.
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(Bull.Bot.Surv.India 4, 1962, 67-69).
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1-589, 21 maps, 32 fig., 20 pl.).
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A geological survey carried out in the Portuguese Over-
seas Province of Timor is put forward. Twelve distinct
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scribed. The author presents the results of some of the
field observations together with a geological outline.
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fig. (some col.), phot., maps.
Atlas with 1100 species depicted belonging to 46 genera
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It is not clear in this survey at what time 'naturalization' took place, and many distinctly native plants are included, Elephanthopus being put in the same category as Polycarpaea corymbosa, etc. The aim of this paper is entirely obscure (Ed.).

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Plant list.

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- Matthew, K.M.: The flora of Kodaikanal (Bull.Bot.Surv.India 4, 1962, 95-104, 1 map).

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