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COMPOSITAE



NEWSLETTER

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BOTANICAL GARDEN

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NEWS FROM INDIVIDUALS

ARNE ANDERBERG, Institute of Botany, University of Stockholm, S-106 91 Stockholm, Sweden, is working on revisions of the genera Grantia, Hirschia and Iphiaea (Inulaceae - Inulinaceae), and making morphological and taxonomic studies of Inula grantioides and Pulicaria phillipsiae.

BOOK REVIEW

SYSTEMATIC BOTANY MONOGRAPHS: VOLUME 1, TAXONOMY OF LYCODESMIA (ASTERACEAE), by A. Spencer Tomb. American Society of Plant Taxonomists, 1980.

Synantherologists (and of course others) now possess a mass of data enabling virtually a cell by cell account of each organ of a plant under study to be given. For example, the pappus of members of the tribe Lactuceae has characters which may be described and illustrated, such as the number, arrangement and heterogeneity of the bristles, their composition in terms of numbers of cells in cross-section, the shape and size and direction of lateral projections on those cells and the manner of dehiscence or breakage of the bristles; or corollas may be treated as to their 3-dimensional cell structure, the reflection and absorption spectra of the pigments and walls of each part of the petal, and so on.

This maximal information is available (because of time and expense) only to the monographer but is often significant to the biology and classification of the plants. The transfer of this information via the printed page in recent times has become a compromise between exhaustive and expensive descriptive monographs and a formal taxonomic treatment of nomenclature, keys and descriptions.

The present work, the first in a new series of botanical monographs, takes a middle course. It incorporates a comprehensive revision with keys, descriptions, drawings, distribution maps, cited specimens and comments on ecology and pollination biology. This will provide users with an excellent guide to the genus as well as insight into its relationships within the tribe. In addition to this it picks out particular characters such as karyotypes, pollen morphology and pappus structure for detailed presentation, while casting a briefer glance over corollas and achenes.

The result is a volume of very manageable size, attractively printed, with photographs reproduced satisfactorily on the same paper as the text. A few misprints were spotted, and a reference missing from the bibliography, but these points do not detract from the competence of the taxonomic revision and the satisfaction of having another small part of

the still poorly known tribe Lactuceae presented in an authoritative fashion.

F.G. DAVIES

ARTICLE

GENERIC NAMES OF COMPOSITAE

C. Jeffrey

(Royal Botanic Gardens, Kew)

I. A - Acarn

The Editor would be grateful for notice of additions and corrections to this part.

Aaronsohnia Warburg & Eig, Zion. Org. Inst. Agric. & Nat. Hist. Agric. Res. Sta. Bull. 6: 39. 1927. (- Chamaemelum Mill.)

T. A. factorovskyi Warburg & Eig (Israel & Jordan)

Sp. 1, SW Asia, N. Afr.

M.

Tr. Anthem.

Abasaloa La Ilave & Lexarza orth. mut. Benth. & Hook.f., Gen. Pl. 2: 1247. 1876 (sphalm.)
orth. var. = Abasoloa La Ilave & Lexarza

Abasoloa La Ilave & Lexarza, Nov. Veg. Descr. 1: 11. 1824

T. A. taboada La Ilave & Lexarza (Mexico)

? = Eclipta L.

Abrotanella Cass., Dict. Sc. Nat. 36: 27. 1825

T. A. emarginata Cass. (Falkland Is.)

Sp. c. 16, temp. S. hemisphere

M.

Tr. uncertain, ? Inul., ? Aster., ? Senecion.

(Abrotanum Mill., Gard. Dict. Abridg., ed. 4, 1. 1754 nom. nud.)

Abrotanum Duham, Traité Arbres Arbust. 1: 19. 1755

T. Artemisia abrotanum L. (SW Asia)

= Artemisia L.

Absinthium Mill., Gard. Dict. Abridg., ed. 4, 1. 1754

T. Artemisia absinthium L. (Europe)

= Artemisia L.

Absynthium Mill. orth. mut. Gaertn., Mey. & Schreb., Oekon- Tech. Fl. Wetterau 3: 109, 196. 1801 orth. var. = Absinthium Mill.

Acacium Steud., Nomencl., ed. 2, 1: 9. 1840 nom. superfl. = Hieracium L.

Acamptopappus (A. Gray) A. Gray., Proc. Amer. Acad. Arts 8: 634. 1873

T. A. sphaerocephalus (Harv. & A. Gray ex A. Gray) A. Gray (Calif.)

Sp. 2, SW North Amer.

M.

Tr. Aster.

Acanos Adans., Fam. 2: 116, 512. 1763 non. superfl. = Onopordum L.

Acanthambrosia Rydb., N. Amer. Fl. 33: 22. 1922

T. A. bryantii (Curran) Rydb. (Mexico)

= Ambrosia L.

3.

Acanthodesmos C.D. Adams & du Quesnay, *Phytologia* 21: 405. 1971

T. A. distichus C.D. Adams & du Quesnay (Jamaica)

Sp. 1, Jamaica

M.

Tr. Vernon.

Acantholepis Less., *Linnaea* 6: 88. 1831.

T. A. orientalis Less. (Iran)

Sp. 1, SW & C. Asia

M.

Tr. Card.

Acanthophyton Less., *Syn. Comp.*: 128. 1832

T. A. spinosum (L.) Less. (C. Medit.)

= Cichorium L.

Acanthophytum Less. orth. mut. Airy Shaw in Willis, *Dict. Fl. Pl.*, ed. 7: 7. 1966 orth.
var. = Acanthophyton Less.

Acanthophyllum Hook. & Arn. in Hook., *Camp. Bot. Mag.* 1: 37. 1835, nom. illegit., non
C.A. Mey. 1831

T. A. axillare (D. Don) Hook. & Arn. (Argent.)

= Nassauvia Comm. ex Juss.

Acanthospermum Schrank, *Fl. Rar. Horti Acad. Monac.*: 53. 1820

T. A. brasiliun Schrank (ex Brasil., cult.)

Sp. c. 6, trop. & subtrop. Amer.; weedy spp. pantrop.

M.

Tr. Helianth.

(Acanthosonchus (Sch. Bip.) Kirp. in Schischk. & Nikit., *Fl. Turkmen.* 7: 326. 1960 nom.
provis.)

Acanthium Heist. ex Fabr., *Enum.*: 91. 1759 nom. superfl. = Onopordum L.

Acanthocladium F. Muell., *Fragm.* 2: 155. 1861 (- Helichrysum Mill. corr. Pers.)

T. A. dockeri F. Muell (Austral.)

Sp. 1, Austral.

M

Tr. Inul.

Acanthocephalus Kar. & Kir., *Bull. Soc. Imp. Natural. Mosc.* 15: 127. 1842

T. A. amplexifolius Kar. & Kir. (C. Asia)

Sp. 2, C. Asia

M.

Tr. Lactuc.

Acanthostyles R.M. King & H. Robins., *Phytologia* 22: 111. 1971 (- Eupatorium L.)

T. A. buniifolius (Hook. & Arn.) R.M. King & H. Rob. (Argent.)

Sp. 1, N Argent., S Brasil & Boliv.

M.

Tr. Eupat.

Acanthotheca DC., *Prodr.* 6: 73. 1838

T. A. pinnatisecta DC. (= Osteospermum pinnatum (Thunb.) T. Norl.) (S. Afr., Cape)

= Osteospermum L.

Acarna Boehm. in Ludwig, *Defin. Gen. Pl.*, ed. 3: 195. 1760 nom. superfl. = Atractylis L.

Acarna Hill, *Veg. Syst.* 4: 13. 1762 nom. superfl., non Boehm. 1760, = Picnomon Adans.

RECENT LITERATURE

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Dos compuestas nuevas del Terr. Amazonas de Venezuela.

Ernstia, no. 1: 1-5 (1981) - Illus. Vernonia, Calea.

Boulos, L.

A check-list of the Libyan flora: 3. Compositae (corrigenda) (by C. Jeffrey).

(Catalogue de la flore libyenne: 3. Compositae (corrigenda) (par C. Jeffrey).)

Candollea, 35(2): 565-567 (1980) - (Fr).

Chen, Y.-L., Liang, S.-Y., Pan, K.-Y.

(Taxa nova Compositarum e flora Xizangensi (Tibetica).)

Acta Phytotax. Sin., 19(1): 85-106 (1981) - Ch; illus. Saussurea, Senecio, Leontopodium,

Erigeron, Aster and Heteropappus sp.

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New species from Turkey, Arabia and Morocco.

Notes Roy. Bot. Gard. Edinburgh, 38(3): 443-446 (1980). Senecio, Asteriscus, Pulicaria.

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Dörr, E.

Flora des Allgäus: 14. Teil. Compositae: Teil 2.

Ber. Bayer. Bot. Ges., no. 51: 57-108 (1980).

Fosbert, F.R., Sachet, M.-H.

Flora of Micronesia: 4. Caprifoliaceae - Compositae.

Smithsonian Contrib. Bot., 46: 1-70 (1980) - En; map, keys.

Smith, L.W., Culvenor, C.C.J.

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Palynology of Hypochoeridinae and Scolyminae (Compositae).

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Gallego, M.J., Talavera, S., Silvestre, S.

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Novyi vid oduvanchika iz Priamur'ya. (A new species of Taraxacum from the Amur

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region.)

Byull. Mosk. Obshch. Ispyt. Priro., Biol., 85(6): 107 (1980) - Rus. T. woroschilovii.

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Typische habichtskräuter der Hieracium murorum- und glaucinum- Gruppe südwest Deutschlands : Folge 3.

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Talavera, S.

El genero Tolpis Adanson en Andalucia Occidental.

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Nota taxonomica sobre el genero Hypochoeris L. en Andalucia Occidental.

Lagasalia, 9(2): 232-234 (1980).

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Nota taxonomica sobre Picris L. sect. Helmintia O. Hoffm. en Andalusia Occidental.

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Five germacranolides from Gochnatia discoidea.

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Gerberas

Riga, Zinatne, 1980. 87p. - Latv; illus., col. illus.,

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Jones, S.B.

Synoptic classification and pollen morphology of Vernonia (Compositae : Vernonieae) in the Old World.

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Kirkman, L.K.

Taxonomic revision of Centratherum and Phyllocephalum (Compositae : Vernonieae).

Rhodora, 83(833): 1-24 (1981) - En; illus., maps, chrom. nos., keys.

Stutts, J.G., Muir, M.A.

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A further guaianolide from Arctotis grandis.

Phytochemistry, 19(12): 2767-2768 (1980).

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Aldous, D.E.

Know your turfgrass: 9.

Hort. New Zealand, no. 17: 8-9 (1980) - En; illus. Cotula dioica ssp. dioica, C. maniototo.

Androschuk, A.F., Kostinenko, L.D.

Kromosomni chysla deyakykh vydiv rodu Achillea L., yaki kul'tyvuyut'sya v botanichnykh sadakh. (Chromosome numbers of the Achillea L. genus certain species cultivated in botanic gardens.)

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Nord. J. Bot., 1(1): 83-96 (1981) - En; illus., chrom. nos.

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Ling, Y.-R.

(Taxa nova generum Artemisiae et Seriphidii Xizangensis.)

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Stangl, R., Greger, H.

Monoterpene und Systematik der Gattung Artemisia (Asteraceae) - Anthemideae.

(Monoterpenes and systematics of the genus Artemisia.)

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Les Populations de l'*Aster tripolium* L. de la Presqu'île guérandaise: 2. Etude statistique de populations spontanées et obtenues par semis. Observation des akènes en microscopie électronique à balayage. (The populations of *Aster tripolium* L. in the "Presqu'île guérandaise": 2. Statistical studies of self-sown plants and plants raised from seed. Observation of achenes by an electron scanning microscope.).

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A review of the genus *Minuria* DC. (Asteraceae, Astereae).

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Reinstatement of the genus *Kippistia* F. Muell. (Asteraceae, Astereae).

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[The genus *Leontopodium*, edelweiss.]

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