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COMPOSITAE



NEWSLETTER

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BOTANICAL GARDEN

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NOTE TO ALL RECIPIENTS

That this issue of the Newsletter is slightly delayed results from its having undergone a financial crisis. Because of changes in the German tax regulations, Otto Koeltz Antiquariat, who have generously supported the Newsletter since the March 1977 issue, find themselves no longer able to bear the whole cost of publishing the Newsletter. Fortunately, through the good offices of Professor J P M Brenan, Director of Kew, the Bentham-Moxon Trust has agreed to support the Newsletter for the next two years to the extent of meeting half the cost up to a maximum of £130 per annum. In view of Bentham's continuing reputation as a synantherologist, that his name shall be associated with the Newsletter in this way is doubly welcome.

This can, however, be but a temporary arrangement and steps must be taken to place the Newsletter on a firmer financial foundation. The International Botanical Congress in Sydney in August 1981 will give an opportunity for some of us to get in touch and work out an arrangement for the future, especially as I consider that the editorship by then will have been long enough in the hands of one person and shall wish to relinquish it after the June 1981 number. Meanwhile, some changes in the format you will notice reflect the need for economy.

C. Jeffrey

CORRECTIONS TO "THE BIOLOGY AND CHEMISTRY OF THE COMPOSITAE"

I am indebted to correspondents for the following information:
name omitted: Tyleropappus Greenm. (Heliantheae)
name misspelt: p.1138, for "Thumopsis" read "Thymopsis"
correction to index: for Perityle, delete 692 and substitute 704

C. Jeffrey

NEWS FROM INDIVIDUALS/REQUESTS FOR MATERIAL

HOLMES, W.C., Department of Biological Sciences, Northwestern State University, Natchitoches, Louisiana 71457, USA and Sidney MCDANIEL, IBE, Drawer EN, Mississippi State, Mississippi 39762 are working on a taxonomic revision of Mikania (Eupatorieae). REQUESTED: specimens and viable seeds of Mikania.

JARZEN, Dr D.M., Palynologist for the National Museums of Canada is interested in obtaining prepared microscope slide material of Compositae pollen preparations. Preferably the pollen should be processed in accord with standard acetolysis techniques.

In exchange, Dr Jarzen has available several thousand prepared slides of various angiospermae, gymnospermae and pterophyta species. Unfortunately Compositae pollen is not available for exchange.

Those persons interested in exchanging Compositae pollen for other plant pollen and spores, on a one-to-one basis may write Dr Jarzen for copies of the most recent "Catalogue of the Pollen and Spore Exchange Collection," at:

Dr David M Jarzen
Paleobiology Division
National Museum of Natural Sciences
Ottawa (Canada) K1A 0M8

RINDOS, Mr David J., is working under Dr William Dress at L.H. Bailey Hortortum, 467 Mann Library, Cornell University, Ithaca, NY 14853 USA. His thesis project is an investigation of generic limits and alliances in the verbesinoid Heliantheae. While not entirely restricting himself to these techniques, he is finding that micro-morphological traits of the corolla, stamens and pistil seem to have great potential for clarifying limits and alliances in this confusing group of genera.

SAGASTEGUI ALVA, Dr Abundio, Herbarium Truxillense, Universidad Nacional de Trujillo, Trujillo, Peru, is working on the Compositae of Peru.

TIMMERMANN, Barbara, The Department of Botany, The University of Texas at Austin, Austin, Texas 78712, USA is currently working on biochemical systematics of Brickellia (Eupatorieae, Alomiinae). REQUESTED: dry leaf material for flavonoid studies of Brickellia diffusa from Central and South America.

SNOW, Barry, Institute for Botanical Exploration, Box EN, Mississippi State, Mississippi 39762 USA, is undertaking a taxonomic revision of Enhydra. Specimens and/or seeds are desired from throughout the range.

RECENT LITERATURE

These references have been extracted from the Current Awareness Lists of the Library, Royal Botanic Gardens, Kew. A comprehensive bibliography of Compositae, published annually, is contained in the Kew Record of Taxonomic Literature.

To save space, the format of this section is slightly changed, and the numbers indicating geographical regions have been omitted. Papers giving merely new floristic records for political areas have not been cited; they have been noted for England, Ireland, Germany, Czechoslovakia, Spain and USSR; details can be obtained from the Editor.

GENERAL

Bannerjee, G.

Foliar venation and leaf histology of certain members of Compositae. J. Indian Bot. Soc., 57(4): 338-342 (1978) - Illus.

Hesse, M.H.

Entwicklungsgeschichte und Ultra-struktur von Pollenkitt und Exine bei nahe verwandten entomophilen und anemophilen Sippen der Asteraceae. (Development and ultrastructure of pollen kitt and exine in closely related entomophilous and anemophilous angiosperms in Asteraceae)

Pl. Syst. Evol., 132(1-2): 107-139 (1979) - (En); illus.

Jeffrey, C.

Note on the lectotypification of the names Cacalia L., Matricaria L. and Graphalium L.

Taxon, 28 (4): 349-351 (1979)

Jeffrey, C.

Names omitted from The Biology and Chemistry of the Compositae: 1. Compositae Newsl., no.8: 1(1979)

Merxmüller, H., Roessler, H.

Compositen - Studien: 9. Neue Sippen und Namen in der Compositenflora Sudwestafrikas Mitt. Bot. Staatssamml. München, no. 15: 363-380 (1979) - Keys

GENERAL (CONTINUED)

Robinson, H., Bohlmann, F., King, R.M.

Chemosystematic notes on the Asteraceae: 2. Acyclic sesquiterpenes.

Phytologia, 41(6): 387-395 (1979)

Rostovtseva, T.S.

Chisla khromosom nekotorykh vidov sem. Asteraceae Dumort. (Chromosome numbers of some species of the family Asteraceae Dumort.)

Bot. Zhurn., 64(4): 582-589 (1979).

Rzedowski, J.

Claves para la identificación de los géneros de la familia Compositae en México. Acta Cient. Potosina, 7(1-2). 145p. (1979) - (En); illus.

Turner, B.L., Bacon, J., Urbatsch, L., Simpson, B.

Chromosome numbers in South American Compositae.

Amer. J. Bot., 66(2): 173-178 (1979).

LACTUCEAE

Abbott, R.J.

Janzen's dandelions: a criticism.

Amer. Nat., 114(1): 152-156 (1979)

Auquier, P., Renard, R.

Dénombrements chromosomiques chez quelques Hieracium d'Europe moyenne et méridionale. Soc. Ech. Pl. Vasc. Eur. Occid. Bassin. Medit. III Bull., no. 17: 73-79 (1976-1977) publ. 1979).

Bachmann, K., Chambers, K.L., Price, H.J.

Genome size and phenotypic evolution in Microseris (Asteraceae, Cichorieae).

Pl. Syst. Evol., Suppl. 2:41-66 (1979) - Illus., chrom. nos.

Burton, R.M.

A species of Picris L. new to Europe.

Watsonia, 12(4): 392 (1979).

Culíková, V.

Roste Leontodon hispidus L. subsp. hastilis (L.) Reichenb. v severozápadních Čechách? (Wächst Leontodon hispidus L. subsp. hastilis (L.) Reichenb. in Nordwestböhmen?) Zprávy Cesk. Bot. Spol. CSAV, 14(1): 68-69 (1979).

Dvůrák, F., Dadáková, B., Ruzicka, I.

Chromosome morphology of the Czechoslovak species of the genus Scorzonera.

Folia Geobot. Phytotax., 14(2): 185-199 (1979) - Illus., chrom. nos.

Feráková, V.

The genus Lactuca L. in Europe. Bratislava, Univerzita Komenského, 1977. 122p. - Illus., maps, chrom. nos. keys.

Henrickson, J.

Marshalljohnstonia, a new genus (Asteraceae) with a rosette-shrub growth habit from Mexico.

Syst. Bot., 1(2): 169-180 (1976) - Illus., chrom. no.

Janzen, D.H.

Janzen's reply.

Amer. Nat., 114(1): 156-157 (1979). Reply to Abbott's criticism.

Kloet, S.P. vander

Biogeography of Hieracium pilosella L. in North America with special reference to Nova Scotia.

Proc. Nova Scot. Inst. Sci., 28(3/4): 127-134 (1978) - Illus., maps.

Lack, H.W.

New species of Picris (Asteraceae, Lactuceae) from Australia.

Phytologia, 42(3): 209-214 (1979) - Illus.

Liebheit, K.

Typische Habichtskräuter der Hieracium murorum - und glaucinum - Gruppe Südwest-Deutschlands.

Gottinger Flor. Rundbr., 13(2): 33-41 (1979) - Illus.

Mažeka, J.

Further cyto-taxonomic studies in the genus Taraxacum section Palustria Dahlsted. Part 3.

Acta Biol. Cracov., Bot., 21(2): 109-115 (1978) - Illus., chrom. nos.

LACTUCEAE (CONTINUED)

Meikle, R.D.

Rhagadiolus: a misunderstood genus.Taxon, 28(1,2/3): 133-141 (1979) - Illus., chrom. nos., key.

Orasova, A.O.

Oduvanchiki Kasakhstana i srednei Azii (rod Taraxacum Wigg.). Alma-Ata, Alma-Ata, Isdatel'stvo 'Nauka' Kasakhskoi SSR, 1975. 178p. - Illus., maps, key
Oskarsson, I.A new Hieracium species found in South Iceland (Eu-Hieracia - sect. Tridentata).
Acta Bot. Islandica, 5: 71-72 (1979) - Illus. H. olafii.

Pandey, A.K., Singh, R.P., Chopra, S.

Development and structure of seeds and fruits in Compositae-Cichorieae.
Phytomorphology, 28(2): 198-206 (1978) - Illus.

Papanicolaou, K.

A new species of Chondrilla from Mt. Pangaion.Bot. Notiser, 132(3): 363-365 (1979) - Illus., chrom. nos.

Reed, C.F.

Skeletonweed in Eastern United States.

Phytologia, 43(2): 201-218 (1979) - illus.

Sahlin, C.I.

Omslagsbilden: Taraxacum suecicum. (Taraxacum suecicum, a presentation.)Scensk Bot. Tidskr., 73(3): 198 (1979) - (En).

Siljak-Yakovlev, S., Cartier, D.

Utilisation de la coloration différentielle au Giemsa dans l'analyse des caryotypes de quatre Crepis. (Utilisation of Giemsa differential staining in analysis of caryotype of four Crepis.)Rev. Cytol. Biol. Vég. Bot., 2(1): 13-20 (1979) - (En); illus., chrom. nos.

MUTISIEAE

Bohlmann, F., Zdero, C., King, R.M., Robinson, H.

Weitere Isocedren-derivate aus Trixis paradoxa.Phytochemistry, 18(5): 855-857 (1979) - (En).

VERNONIEAE

Bohlmann, F., Zdero, C., King, R.M., Robinson, H.

Neue Sesquiterpenlactone aus Stokesia laevis.Phytochemistry, 18(6): 987-989 (1979) - (En).

Gupta, D., Dutta, A.K.

Studies of the variation in Vernonia cinerea (Linn.) Less.Bull. Bot. Soc. Bengal, 31(1-2): 98-103 (1977 publ. 1978) - Illus.

Jones, S.B., jr

Chromosome numbers of Vernonieae (Compositae).

Bull. Torrey Bot. Club, 106(2): 79-84 (1979). Counts from South and Central America and Africa.

R. de Alencastro, F.M.M.

Contribuição ao estudo da nervação foliar das Compositae dos cerrados: 2. Tribo Vernonieae.

Rodriguesia, 29(44): 13-45 (1978) - Illus.

Robinson, H.

New species of Vernonieae (Asteraceae): 1. Vernonia harlingii from Ecuador.Phytologia, 44(2): 65-69 (1979) - Illus.

Robinson, H., King, R.M.

Mattfeldanthus mutisioides gen. et spec. nov. (Asteraceae: Vernonieae) from

Bahia, Brazil.

Willdenowia, 9(1): 9-12 (1979) - (Ge); illus.

CARDUEAE

- Anon.
 Californian thistle (Cirsium arvense (L.) Scop.)
J. Agric. Tasman., 50(1): 20-22 (1979) - illus. A weed in Tasmania
 Damboldt, J., Matthäs, U.
- Karyologische Untersuchungen an Centaurea (sect. Phalolepis) pawlowskii (Compositae).
 (A caryological study of Centaurea (sect. Phalolepis) pawlowskii (Compositae).)
Bot. Jahr. Syst., 100(3): 406-413 (1979) - (En); illus., chrom. nos.
 Demir, I., Aydem, N. Marquard, R.
- Fettsäuremuster und Tokopherolgehalt als Kriterien zur Unterscheidung von in der
 Türkei vorkommenden Carthamus-Arten.
Angew. Bot., 52(5-6): 313-319 (1978) - (En); maps, chrom. nos.
 Fridén, L.
- Fjällskära och sumprokxvamp i Smaland. (Saussurea alpina and Bovistella paludosa
 in the province of Smaland, S Sweden.)
Svensk Bot. Tidskr.: 73(5): 329-348 (1979) - (En); illus., maps.
 Georgiadis, T.
- Centaurea musakii: a new species from Thessalia (Greece).
Bot. Notiser, 132(3): 311-312 (1979) - illus., chrom. nos.
 Georgiadis, T.
- Problèmes de différentiation et d'introggression dans Centaurea sous-genre
Acrolophus (Cass.) Dobrocz. (Sect. Acrolophus (Cass.) DC.) en Grèce.
 In Symposium: Aktuelle Forschungsschwerpunkte botanischer Gärten und Museen, Berlin.
 11-13.9.1979. Verzeichnis der Vorträge und Zusammenfassungen. Berlin, Botanic Garden.
 p.25 (1979). Abstract only.
 Georgiadis, T., Phitos, D.
- Deux Centaurea nouvelles de la section Phalolepis (Cass.) D.C. de la Grèce.
Biol. Ecol. Médit., 4(1): 3-9 (1977) - (En); illus., chrom. nos.
 Gremaud, M.
- Nouvelle contribution à la cytotaxonomie du genre Carduus (Compositae).
Ber. Schweiz. Bot. Ges., 89(1/2): 133-143 (1979) - (En, Ge); illus., chrom. nos.
 Greuter, W.
- Quisquilliae floristicae graecae, 4. Lamyropsis carpini (Compositae), a new species
 from N W Greece.
Willdenowia, 9(1): 57-66 (1979) - (Ge); illus., map.
 Kaul, M.K.
- The genus Crupina - an addition to Indian Compositae.
Bull. Bot. Surv. India, 18(1-4): 224 (1976).
 Kazbal, J.
- Centaurea achtarovii.
J. Scott. Rock Gard. Club, 16(4): 305-306 (1979) - En.
 Leins, P., Gemmeke, V.
- Infloreszenz- und Blütenentwicklung bei der Kugeldistel Echinops exaltatus
 (Asteraceae). (Inflorescence and floral development in Echinops exaltatus (Asteraceae).)
Pl. Syst. Evol., 132(3): 189-204 (1979) - (En); illus.
 Lipshits, S. Yu.
- Rod Saussurea DC.
Leningrad, Nauka, 1979. 282p. - Illus., keys.
 Matthäs, U.
- Differentiation patterns in Centaurea sect. Phalolepis
 In Symposium: Aktuelle Forschungsschwerpunkte Gärten und Museen, Berlin. 11-13.9.1979.
 Verzeichnis der Vorträge und Zusammenfassungen. Berlin, Botanic Garden. p.24 (1979) -
 Chrom. nos. Abstract only.
 Renzoni, G.C., Viegi, L.
- The Centaurea cineraria complex in Italy.
Webbia, 34(1): 487-488 (1979) - Chrom. nos.
 Soldano, A.
- Centaurea montis-borlae, specie nuova delle Alpi Apuane. (Centaurea montis-borlae,
 a new species on Apuan Alps.)
Giorn. Bot. Ital., 117(5-6): 399-402 (1978) - (En); illus.

CARDUEAE (CONTINUED)

Valletta, A.

Insect pollinators on Cynara cardunculus L.
 Centr. Medit. Nat., 1(1): 22 (1979).

ARCTOTIDEAE

Ahlstrand, L.

Embryology of Arctotideae - Gorteriinae (Compositae).
 Bot. Notiser, 132(3): 371-376 (1979) - Illus., chrom. no.

Ahlstrand, L.

Embryology of Arctotideae - Gundeliinae (Compositae).
 Bot. Notiser, 132(3): 377-380 (1979) - Illus.

Bohlmann, F., and others

B-Isocomen, ein neues Sesquiterpen aus Berkheya-Arten.
 Phytochemistry, 18(11): 1831-1834 (1979) - (En).

ANTHEMIDEAE

Androschuk, A.F., Arkhipchuk, V.V.

Rozmiry pylkovykh zeren i trubchastykh kvitok u blyz'kosporidnykh i riznopolyidnykh vydiv Achillea L. flory Ukrayiny. (Sizes of pollen grains and flowers with tubular florets in closely related and heteroploid species of Achillea L. of the Ukrainian SSR flora).

Ukr. Bot. Zhurn., 36(5): 452-456 (1979) - (Rus, En); illus.

Androschuk, A.F., Klokov, M.V., Kritskaya, L.I., Kostineko, L.D.

Tysyachelistnik obyknovennyi Achillea millefolium L. (Asteraceae) na Ukraine. (Achillea millefolium L. (Asteraceae) at the Ukraine.)

Bot. Zhurn., 64(3): 378-386 (1979) - Illus., map, chrom. nos.

Arrigoni, P.V.

Le genre Santolina L. en Italie.

Webbia, 34(1): 257-264 (1979) - (It); map, chrom. nos.

Balbaa, S.I., Zaki, A.Y., El-Zalabani, S.M.

Morphological study of the stem and leaf of Anthemis pseudocotula (Boiss.) grown in Egypt.

Egypt. J. Pharm. Sci., 16(3): 307-321 (1975) - Ara; illus.

Bara, I.T.

Cariotipul unor specii de plante: 2. Studiul cromozomilor mitotici la Matricaria chamomilla (Chamomilla recutita L. Rauchert) souil Zloty len.

Stud. Cerc. Biol., Biol. Veg., 31(1): 73-75 (1979) - (En); illus., chrom. no.

Bloom, A.

Achilleas.

Garden (London), 104(6): 247-248 (1979) - En; col. illus.

Bohlmann, F., Knoll, K.-H.

Neuartige sesquiterpenlactone und neue acetylenverbindungen aus Athanasia - Arten.
 Phytochemistry, 18(6): 995-1001 (1979).

Chevassus, P.

Deux adventices meconnues dans le Jura et l'Iris sibirica dans l'Ain.

Monde Pl., no. 397: 7-8 (1979). Includes Anthemis.

Dorokhina, L.H.

O zhiznennykh formakh polynei podroda Dracunculus (Bess.) Rydb. i perekhode ot trav k polukusternikam. (On some life forms of wormwoods of the subgenus Dracunculus (Bess.) Rydb. and the transition from herbs to subshrub.

Byull. Mosk. Obshch. Ispyt. Prir., Biol. 83(4): 97-108 (1978) - (En).

Epstein, W.W., Jenkins, E.E.U.

Anthemidin, a new sesquiterpene lactone from Artemisia ludoviciana.

J. Nat. Prod., Lloydia, 42(3): 279-281 (1979).

Filatova, N.S.

Ekologo-geograficheskii analiz polynei Kazakhstana. (Analysis aecologo-geographica generis Artemisiae e Kazachstania.)

Bot. Mater. Gerb. Inst. Bot. Akad. Nauk Kaz. SSR, 11: 69-77 (1979). Artemisia.

ANTHEMIDEAE (CONTINUED)

Fuhrmann, B., Nagl, W.

Chromatin organisation and repetitive DNA in Anacyclus and Anthemis (Asteraceae).
Pl. Syst. Evol., Suppl. 2: 235-245 (1979) - Illus.

Greger, H.

Aromatic acetylenes and dehydrofalcarinone derivatives within the Artemisia dracunculus group.

Phytochemistry, 18(8): 1319-1322 (1979) - Chrom. nos.

Il'inskaya, A.F., Androshechuk, A.F.

Anatomichna budova epidermisu lystkiv Achillea nobilis L. saleshno vid umov mistsesrostannya roslyn. (Anatomical structure of Achillea nobilis L. leaves epidermis depending on conditions of plant habitat.)

Ukr. Bot. Zhurn., 36(4): 302-307 (1979) - (En, Rus); illus.

Iranshahr, M.I.

Sclerorhachis rechingeri (Asteraceae - Anthemideae), a new species from N. Khorasan.
Pl. Syst. Evol., 132(1-2): 149-152 (1979) - (En); illus., map.

Kashevarov, G.P.

Nukleotýdnýi sklad DNK deyakýkh výdiv rodu Achillea L. (Studies of DNA nucleotide composition in some species of Achillea L.)

Ukr. Bot. Zhurn. 36(3): 235-237 (1979) - (En).

Kelsey, R.G., Shafizadeh, F.

Sesquiterpene lactones and systematics of the genus Artemisia.

Phytochemistry, 18(10): 1591-1611 (1979).

Korobkov, A.A.

Novye taksony roda Artemisia L. (Asteraceae) a severo-vostoka SSSR. (New taxa of the genus Artemisia L. (Asteraceae) from the north-east of the USSR)

Bot. Zhurn., 64(5): 669-670 (1979)

Leonova, T.G.

O napisanii vidovykh épitetov dvukh polýneĭ Artemisia santonica L. i A. sieversiana Willd. (Asteraceae). (The spelling of two specific epithets of the genus Artemisia L. A. santonica L. and A. sieversiana Willd. (Asteraceae))

Bot. Zhurn., 64(3): 434 (1979).

Nano, G.M., Bicchi, C., Frattini, C., Gallino, M.

Wild Piedmontese plants: 2. A rare chemotype of Tanacetum vulgare L., abundant in Piedmont (Italy).

Pl. Med., 35(3): 270-274 (1979) - Map.

Nordenstam, B.

Adenanthellum nom. nov. (Compositae - Anthemideae).

Bot. Notiser, 132(2): 160 (1979).

Shih, C.

Opisthopappus Shih - a new genus of Compositae from China.

Acta Phytotax. Sin., 17(3): 110-112 (1979) - Ch; illus., key.

Shih, C., Fu, G.-X.

(Species et combinationes novae tribus Anthemidearum familiae Compositarum Tibeticae.)

Acta Phytotax. Sin., 17(2): 113-116 (1979) - Ch. Pyrethrum, Ajania, Waldheimia.

Tacina, A.

Recherches caryologiques sur L'Achillea schurii Schultz - Bip.

Rev. Roum. Biol., Bot., 24(1): 7-10 (1979) - (En); illus., chrom. nos.

ASTEREAE

Arnold, M.L., Jackson, R.C.

Biochemical, cytogenetic and morphological relationships of a new species of Machaeranthera sect. Arida (Compositae). Syst. Bot., 3(2): 208-217 (1978 publ. 1979) - illus., chrom. nos.

Bohlmann, F., Zdero, C.

Neue Cadinan - Derivate aus Heterotheca subaxillaris.

Phytochemistry, 18(7): 1185-1187 (1979) - (En).

Bohlmann, F., Zdero, C., King, R.M., Robinson, H.

Neue Labdan-Derivate aus Gutierrezia-Arten.

Phytochemistry, 18(9): 1533-1537 (1979) - (En).

ASTEREAE (CONTINUED)

Bohlmann, F., Zdero, C., Robinson, H., King, R.M.

Neue Acetylenverbindungen aus Chrysothamnus parryi.

Phytochemistry, 18(9): 1519-1521 (1979) - (En).

Chinnappa, C.C., Morton, J.K.

The occurrence and behaviour of B-chromosomes in Astranthium integrifolium (Compositae).

Amer. J. Bot., 66(4): 471-473 (1979) - Illus., chrom. nos.

Clark, W.D.

The taxonomy of Hazardia (Compositae: Astereae).

Madroño, 26(3): 105-127 (1979) - Maps, chrom. nos. keys.

Davies, F.G.

Two new species of Conyza (Compositae) from Ethiopia.

Kew. Bull., 34(2): 371-372 (1979).

Dress, W.J.

Sidelights on X Solidaster (Compositae).

Baileya 20(4): 162-165 (1979).

Duppstadt, W.H.

The genus Aster in West Virginia.

Proc. W. Virg. Acad. Sci., 48(2,3,4): 81-82 (1976).

Fayed, A.

Revision der Grangeinae (Asteraceae-Astereae).

Mitt. Bot. Staatssamml. München, no.15: 425-576 (1979) - Illus., maps, keys.

Kapoor, B.M.

Supernumerary chromosomes of some species of Solidago and a related taxon.

Caryologia, 31(3): 315-330 (1978) - Illus. Canadian populations only.

Morton, J.K.

Observations on Houghton's Goldenrod (Solidago houghtonii).

Mich. Bot., 18(1): 31-35 (1979) - Illus., map, chrom. nos.

Nesom, G.L.

Machaeranthera odyssei (Compositae): a unique new species from Mexico.

Syst. Bot., 3(2): 218-225 (1978 publ. 1979) - Illus., chrom. nos.

Nesom, G.L.

A new species of Erigeron (Compositae) from Coahuila.

Sida, 8(1): 65-70 (1979) - Illus., chrom. no.

Nesom, G.L.

Erigeron geiseri (Compositae) in Oklahoma.

Southwest. Nat., 24(2): 386-387 (1979) - Map.

Nelson, G.L.

Note on the name of Machaeranthera odysseus.

Syst. Bot., 3(4): 434 (1978).

Rommel, A.

Die Gattung Amellus L. (Asteraceae-Astereae) allgemeiner Teil.

Mitt. Bot. Staatssamml. München, no. 15: 243-329 (1979) - Illus., map, chrom. nos.

Protopopova, V.V., Tkachenko, V.S.

Istoriya ta prohnoz poshyrennya Grindelia squarrosa (Pursh) Dunal. (History and pronosis of Grindelia squarrosa (Pursh) Dunal distribution.)

Ukr. Bot. Zhurn., 36(5): 457-461 (1979) - (Rus, En); maps.

Sample, J.C.

The cytogeography of Aster lanceolatus (synonyms A. simplex and A. paniculatus) in Ontario with additional counts from populations in the United States.

Canad. J. Bot., 57(4): 397-402 (1979) - (Fr); illus., map, chrom. nos.

Sample, J.C., Brouillet, L.

The phylogenetic relationships of the X=5 and X=4 asters of North America: a radical view.

Canad. Bot. Ass. Bull., 12(3): 48 (1979) - Chrom. nos. Abstract only.

Simpson, M.J.A., Molloy, B.P.J.

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