

## DOCUMENTED CHROMOSOME NUMBERS OF PLANTS

(See Madroño 9:257-258. 1949; 17:255. 1964)

- Astranthium condimentum* De Jong.  $n = 3$ . Mexico, Jalisco, Mazamitla. *D. C. D. De Jong* 1675, MU; Michoacan, near Quiroga, *D. C. D. De Jong* 1656, MU; Michoacan, near Ario de Rosales. *D. C. D. De Jong* 1657, MU.
- A. orthopodum* (Robins. & Fern.) Larsen.  $n = 3$ . Mexico, Chihuahua, near Madera. *D. C. D. De Jong* 1769, MU; Durango, near Hacienda Coyotes. *D. C. D. De Jong* 1382, MU.
- A. purpurascens* (Robins.) Larsen.  $n = 8$ . Mexico, Chiapas, between Comitán and San Nicolás. *D. C. D. De Jong* 1419, MU; Chiapas, between Teopisca and San Cristóbal las Casas. *D. C. D. De Jong* 1438, MU; Hidalgo, Puerto de Horcones. *D. C. D. De Jong* 1584, MU; Hidalgo, near Jacala. *D. C. D. De Jong* 1585, MU.
- A. xanthocomoides* (Less.) Larsen.  $n = 8$ . Mexico, Hidalgo, Elvado. *D. C. D. De Jong* 1535, MU; Hidalgo, Real del Monte. *D. C. D. De Jong* 1550, MU; Puebla, Laguna de Atezca. *D. C. D. De Jong* 1594, MU; Veracruz, near Magueyotos. *D. C. D. De Jong* 1607, MU.
- A. xylopodum* Larsen.  $n = 5$ . Mexico, Nayarit, near Compostela. *D. C. D. De Jong* 1690, MU.
- Baileya multiradiata* Torr.  $n = 16$ . Mexico, Chihuahua, near Ciudad Chihuahua. *D. C. D. De Jong* 1377, MU.
- Buddleia skutchii* Morton.  $2n = \text{ca. } 38_{II}$ . Mexico, Chiapas, Chamula. *D. E. Breedlove* 6654, DS, F. Counted by D. W. Kyhos.
- Chlorogalum pomeridianum* (DC.) Kunth.  $n = 15$ . California, Fresno Co. *H. M. Beard & W. Roderick*, 1961, JEPS. Counted by M. S. Cave.
- Cleome spinosa* Jacq.  $2n = 10_{II}$ . Mexico, Chiapas, Tuxtla Gutierrez. *D. E. Breedlove* 9193, DS, F. One pair was twice the size of the others as in the tetraploid *Cleome isomeris* (Nutt.) Greene (*Isomeris arborea* Nutt.). Counted by D. W. Kyhos.
- Coriaria thymifolia* Hum. & Bonpl. ex Willd.  $2n = 20_{II}$ . Mexico, Chiapas, Zinacantan. *P. H. Raven & D. E. Breedlove* 20142, DS. Fig. 1. Counted by D. W. Kyhos.

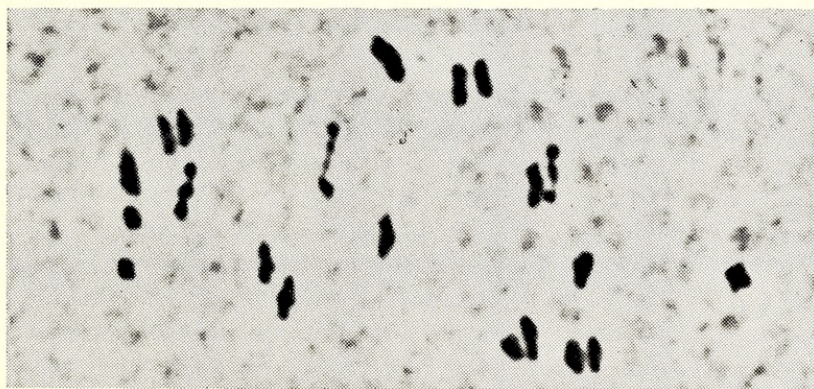


FIG. 1. *Coriaria thymifolia*,  $\times 1470$ .

- Erythronium tuolumnense* Appleg.  $n = 12$ . California, Tuolumne Co. *W. Roderick*, 1962, JEPS. Counted by M. S. Cave.
- Galphimia glauca* Cav.  $n = 6$ . Mexico, Chiapas, Pinola. *D. E. Breedlove* 7072, DS, F. Very large chromosomes. Adds a third basic number to the two ( $x = 9, 10$ ) already known for the Malpigiaceae and suggests that the counts of  $n = 12$  in this family are tetraploid. Counted by D. W. Kyhos.
- Microspermum debile* Benth.  $n = 12$ . Mexico, Oaxaca, Ixtlan de Juarez. *D. C. D. De Jong* 1481, MU.



- Narthecium californicum* Baker.  $n = 13$ . Oregon, Josephine Co. *W. Roderick*, 1962, JEPS; *W. Roderick*, 1965, JEPS. Counted by M. S. Cave.
- Olivaea leptocarpa* De Jong & Beaman.  $n = 6$ . Mexico, Durango, near J. G. Aguilera. *D. C. D. De Jong* 1754, MU; *D. C. D. De Jong* 1760, MU.
- O. tricuspis* Sch.-Bip. ex Benth.  $n = 6$ . Mexico, Jalisco, near Acatlan. *D. C. D. De Jong* 1687, MU; Jalisco, near Guadalajara. *D. C. D. De Jong* 1688, MU; State of Mexico, near Toluca. *D. C. D. De Jong* 1619, MU; *D. C. D. De Jong* 1650, MU; State of Mexico, Del Rio. *D. C. D. De Jong* 1647, MU; Nayarit, Tepic. *D. C. D. De Jong* 1693, MU.
- Schoenolirion album* Dur.  $n = 26$ . California, Plumas Co. *G. E. See*, 1957, JEPS. Counted by M. S. Cave.
- Spiranthes gracilis* (Bigel.) Beck.  $n = 15$ . Florida, Hillsborough Co. *R. W. Long* 1168, USF. Counted by M. S. Cave.
- Stenanthium occidentale* Gray.  $n = 8$ . California, Siskiyou Co. *W. Roderick*, 1962, JEPS; *W. Roderick*, 1965, JEPS. Counted by M. S. Cave.
- Tofieldia glutinosa* (Michx.) Pers. ssp. *occidentalis* (Wats.) Hitch.  $n = 15$ . Oregon, Josephine Co. *W. Roderick*, 1962, JEPS. Counted by M. S. Cave.
- Veratrum californicum* Dur.  $n = 16$ . California, Alpine Co. *W. Roderick*, 1965, JEPS; Eldorado Co. *H. G. Baker*, 1965, JEPS. Counted by M. S. Cave.
- V. fimbriatum* Gray.  $n = 16$ . California, Mendocino Co. *W. Roderick*, 1965, JEPS. Counted by M. S. Cave.
- V. insolitum* Jeps.  $n = 16$ . California, Siskiyou Co. *W. Roderick*, 1965, JEPS. Counted by M. S. Cave.
- Xerophyllum tenax* (Pursh) Nutt.  $n = 15$ . California, Mendocino Co. *W. Roderick*, 1965, JEPS. Counted by M. S. Cave.

## REVIEWS

THE HUNT BOTANICAL LIBRARY AND ITS PUBLICATIONS.—The institution known as the Rachel McMasters Miller Hunt Botanical Library is the lengthened shadow of not only Rachel McMasters Miller Hunt but also of its director, George H. M. Lawrence. The history of the Library has been told well in *The Rachel McMasters Miller Hunt Botanical Library* (1961). The Library is a relatively new institution and has been housed in its present location in the penthouse of the Hunt Library on the campus of the Carnegie Institute of Technology in Pittsburgh since 1961. The setting and decor of the penthouse are truly beautiful and are a fitting place for the care and study of Mrs. Hunt's collection of incunabula, rare botanical and horticultural books, botanical prints, letters, manuscripts, and fine bindings.

Mrs. Hunt's interest in botany stemmed from her early girlhood—at the age of six she was given a copy of Mrs. Dana's *How to Know Wildflowers*. With the passing years as Mrs. Hunt acquired more and more rare works she realized that her collection was in many ways unique in North America. Her first steps toward sharing her collection with others resulted in the magnificent two volume *Catalogue of Botanical Books in the Collection of Rachel McMasters Miller Hunt* (1958, 1961). These two volumes deal with 764 works dating from about 1150 through 1800. The *Catalogue* was issued in a limited edition of 750 copies. Volume I was compiled by Jane Quinby, Mrs. Hunt's friend and librarian, and contains chapters by Harold W. Rickett, John F. Fulton, Paul B. Sears, Wilfrid Blunt, and Margaret B. Stillwell: Volume II, which is in two parts, was compiled by Allan Stevenson and contains introductory material prepared by Gordon Dunthorne, John S. Gilmour, and William T. Stearn. The volumes of the *Catalogue* are beautifully done with respect to printing, composition, paper, and binding.



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