



Hunt Institute for Botanical Documentation
5th Floor, Hunt Library
Carnegie Mellon University
4909 Frew Street
Pittsburgh, PA 15213-3890
Telephone: 412-268-2434
Email: huntinst@andrew.cmu.edu
Web site: www.huntbotanical.org

The Hunt Institute is committed to making its collections accessible for research. We are pleased to offer this digitized item.

Usage guidelines

We have provided this low-resolution, digitized version for research purposes. To inquire about publishing any images from this item, please contact the Institute.

Statement on harmful and offensive content

The Hunt Institute Archives contains hundreds of thousands of pages of historical content, writing and images, created by thousands of individuals connected to the botanical sciences. Due to the wide range of time and social context in which these materials were created, some of the collections contain material that reflect outdated, biased, offensive and possibly violent views, opinions and actions. The Hunt Institute for Botanical Documentation does not endorse the views expressed in these materials, which are inconsistent with our dedication to creating an inclusive, accessible and anti-discriminatory research environment. Archival records are historical documents, and the Hunt Institute keeps such records unaltered to maintain their integrity and to foster accountability for the actions and views of the collections' creators.

Many of the historical collections in the Hunt Institute Archives contain personal correspondence, notes, recollections and opinions, which may contain language, ideas or stereotypes that are offensive or harmful to others. These collections are maintained as records of the individuals involved and do not reflect the views or values of the Hunt Institute for Botanical Documentation or those of Carnegie Mellon University.

About the Institute

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.

I. Project (1953-54) Granted \$500

Preparation of illustrations to be used in the first detailed account of the phytogeography of Chile, manuscript now in final revision. The Chilean vegetation is unique in character because of its occurrence in such highly diversified zones as the arid subtropical, arid temperate, Andean, Mediterranean and subantarctic. Some fifty distinct plant formations within these five zones are being described, mapped and illustrated in terms of the geological history of western South America and current geographical information. The data submitted are based upon collections, photographic and other records obtained by five botanical expeditions to western South America (1935-1952).

Progress

1. Phytogeography map in 4 colors *in advanced preparation and* to be completed on or before June 30, 1954 *by cartographic artist in consultation with geobotanist*
2. Numerous plates (artist's drawings) of new or little known species collected by 1951-52 Botanical Garden South American Expedition completed and to be published in articles dealing with particular aspects of Chilean vegetation

II. Proposed (1954-55) Grant requested \$500

1. Preparation of plates (artist's hire) to illustrate articles on the phytogeography of Peru. A number of areas in Peru, critical for evaluation of influence of geologic and current environmental factors on plant distribution on the West Coast of South America, have been examined in detail by the five Botanical Garden Expeditions to South America. A manuscript dealing with these areas is nearing completion. To supplement this article descriptions of new or little known Peruvian and adjacent Chilean species are in preparation.
2. Typing of final revision of account of phytogeography of Chile (cf. 1953-54 grant) and of articles on the vegetation of Peru.

Project (1954-55) Grant \$450

Plates and photographs to illustrate an article on the phytogeography of Peru have been completed (cf. Publications). This article for the first time describes in detail the character and composition of the vegetation of the desert coasts, the Andean fog forests, the central Andean plateaus and a portion of the tropical rain forests.

Plates are being prepared to illustrate descriptions of a number of specific elements of the Peruvian floras and related Chilean species, including the teratological variations exhibited by species of Nicotiana.

Proposed (1955-56) Grant requested \$450

Preparation of plates (artist's hire) and photographic assistance (including photomicrography) required to provide the necessary illustrations for articles dealing with:

- 1) the incidence and inheritance of (a) chromosomal chimeras in Nicotiana tomentosa, (b) vegetative apogamy in N. rustica and other species of Nicotiana, (c) flower color variation and anatomical anomalies in N. glauca.
- 2) new or little known species collected as living plants or seed by the Botanical Garden's expeditions to the west coast of South America. These species are coming into flower after three or more years of cultivation here. The majority have never before been grown together under uniform conditions or studied in terms of the significance of variation for species delimitation.

Publications

"The University of California Botanical Garden Expeditions to the Andes (1935-1952) with observations on the phytogeography of Peru" by T.H.Goodspeed and H.E.Stork; 95 pages (ms), 3 maps, 6 plates. Submitted for publication Botany Series, University of California Press.

"Studies of South American Cactaceae 4. Lobivia westii, a new species from Dept. Apurimac, Peru" Cactus and Succulent Journal of America 26 (6):81-83. 1954. By P.C.Hutchison.

"Studies of South American Cactaceae 5. Variation in Neoporteria nigriflorida (Bakbg.) Eckbg. and N. subgibbosa (Haw.) Brit. & Rose" By P.C.Hutchison, to be published in Cactus and Succulent Jour. Amer.

"Studies of South American Cactaceae 6. Variation in Neoporteria atrispinosa Bakbg." By P.C.Hutchison in preparation to be published in Cactus and Succulent Jour. Amer.

Research
nearly
completed
in

in preparation

Project (1955-56) Grant \$450

Line drawings and photographs to illustrate articles on the systematics of the genus Nicotiana, vegetative apogamy in N. rustica, and certain elements of the vegetation of western South America were prepared.

Proposed (1956-57) Grant requested \$450

(1) Preparation of plates (black & white and color) and photomicrographs to illustrate articles on the inheritance of flower color in Nicotiana glauca and chromosomal chimeras in N. tomentosa.

(2) Artists hire and photography to record the flowering and fruiting stages of new or little known species collected by the Botanical Garden's South American expeditions. The line drawings and photographs to be produced are necessary to illustrate articles in preparation and projected on the vegetation of the coasts of Chile and Peru.

Publications

The University of California Botanical Garden Expeditions to the Andes (1935-1952) with observations on the phytogeography of Peru by T.H.Goodspeed and H.E. Stork. Univ. Calif. Publ. Bot. 28: 79-142.

The Systematics of the genus Nicotiana. Submitted (by request) to Editors of Handbuch der Pflanzenzüchtung 5: 19 pages. by T.H.Goodspeed

Studies of South American Cactaceae. 5 Neoporteria taltalensis, a new species from Prov. Antofagasta, Chile. Cactus and Succulent Journal of America 27: 181-183. by Paul C. Hutchison

Project (1955-56) Grant \$450

Line drawings and photographs to illustrate articles on the systematics of the genus Nicotiana, vegetative apogamy in N. rustica, and certain elements of the vegetation of western South America were prepared.

Proposed (1956-57) Grant requested \$450

(1) Preparation of plates (black & white and color) and photomicrographs to illustrate articles on the inheritance of flower color in Nicotiana glauca and chromosomal chimeras in N. tomentosa.

(2) Artist's hire and photography to record the flowering and fruiting stages of new or little known species collected by the Botanical Garden's South American expeditions. The line drawings and photographs to be produced are necessary to illustrate articles in preparation and projected on the vegetation of the coasts of Chile and Peru.

Publications

The University of California Botanical Garden Expeditions to the Andes (1935-1952) with observations on the phytogeography of Peru by T.H.Goodspeed and H.S. Stark. Univ. Calif. Publ. Bot. 28: 79-142.

The Systematics of the genus Nicotiana. Submitted (by request) to Editors of Handbuch der Pflanzensichtung 5: 19 pages. by T.H.Goodspeed

Studies of South American Cactaceae. 5 Neoporteria taitalensis, a new species from Prov. Antofagasta, Chile. Cactus and Succulent Journal of America 27: 181-183. by Paul C. Hutchison

Project 1956-57 -- report (@450 granted)

Grant used for preparation of:

- 1) line drawings of new or little known species obtained in South America and now under cultivation in the Botanical Garden
- 2) maps and charts of Andean and subAndean plant distribution
-- both to illustrate articles in preparation on the composition of the floras of Peru and Chile and on factors influencing the phytogeography of western temperate South America.

Proposed for 1957-58 (Grant requested \$550 net)

- 1) Preparation of additional plates (black and white drawings and photographs) descriptive of South American species of taxonomic importance grown to flowering in the Botanical Garden
- 2) Photomicrography and drawings of polyploid phenomena in the genus Nicotiana

Publications

by T. H. Goodspeed

Genetics of Nicotiana . Proc. International Scientific Tobacco Congress, Paris, 1955

The Systematics of the genus Nicotiana. Submitted (by request) to Editors of Handbuch der Pflanzensuchtung 5: 19 pages

The endemic South American species of the genus Nicotiana. Salomon Mem. Vol. Buenos Aires In Press

under direction of T.H.Goodspeed by Myron W. Kinnach and Paul C. Hutchison

Icones Plantarum Succulentarum 2. Werckleocereus imitans Kinnach and Hutchison. Cact. and Succ. Jour. Amer. 28(5): 152-156

Icones Plantarum Succulentarum 3. Ecremocactus bradei Britton et Rose. Cact. and Succ. Jour. Amer. 28 (6): 177-181