



# BULLETIN of the Hunt Institute for Botanical Documentation

Carnegie-Mellon University; Pittsburgh, Pennsylvania

Vol. 5 No. 1 Spring/Summer 1983

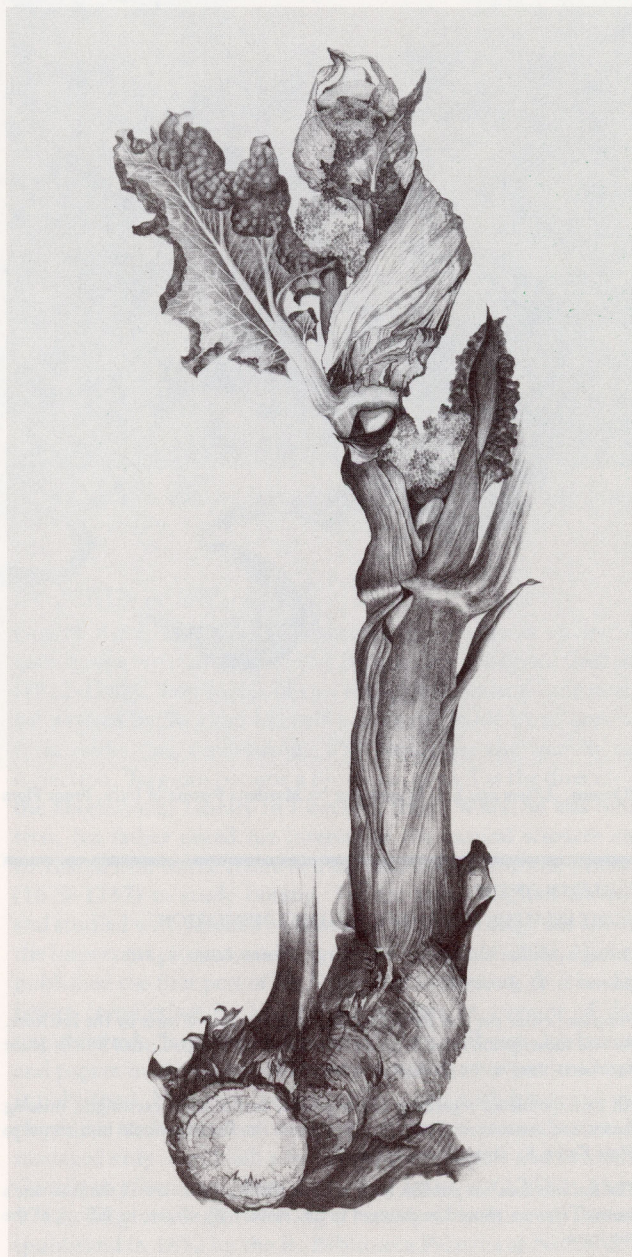
## ART

Our 5th International Exhibition of Botanical Art & Illustration included 95 works by 65 twentieth-century artists from a dozen countries. This latest show in the series provided an excellent overview of the continuing vitality and diversity of contemporary botanical art. Artworks were borrowed from The National Gallery of Canada, the National Geographic Society, the Norton Gallery and School of Art, the University of New Mexico, and The Reader's Digest Association of both New York and London, as well as a number of private individuals and galleries. Nineteen artists, including four from Great Britain, came to Pittsburgh for the show's opening. For most, this marked their first visit to the Institute. We are grateful for their contributions and those of all the many others who helped make the 5th International a resounding success.

Artist Tjelda Michas created a new serigraph, "Delphiniums," especially for the show poster and catalogue cover. The fully illustrated catalogue contains portraits, biographies and bibliographies for each of the artists, plus a cumulative index to the 474 artists represented thus far in the Internationals. Together, the five catalogues from the series contain the most comprehensive record available of twentieth-century botanical artists and illustrators. A traveling exhibition containing 43 of the works from the 5th International will be available for circulation in early 1984. Bookings have already been made for engagements in California, Montana and Wisconsin.

We continue to receive numerous queries concerning works in our Torner Collection of Sessé and Mocino Biological Illustrations. The history, rediscovery and acquisition of this collection have been described most recently in two illustrated articles: "Pictures from an expedition" by I. H. W. Engstrand (*The sciences* 23(5): 52-57, 1983) and "They've found the missing masterpieces" by Thomas Fleming (*International wildlife* 13(1): 19-24, 1983).

Our fall show, "Flora Portrayed: Classics of Botanical Art from the Hunt Institute Collection," will hang from 24 October through 24 February. Organized as a special traveling exhibition, it was first shown in May at the Dulin Gallery in Knoxville, and will circulate to a number of other North American museums and galleries after it closes in Pittsburgh. The exhibition includes 88 of the Institute's finest works representing the various eras of botanical art. It is accompanied by an illustrated book with an introduction by Mr. Brindle, running commentary and descriptions of the works, and 90 reproductions, 55 in full color. An eighteenth-century painting of mourning and English Irises by Georg Ehret has been reproduced in full color as the exhibition poster.



"*Rheum pratense*." Watercolor and ink by Jenny Brasier of England. From 5th International Exhibition. Lent by the artist.





[Onions, *Allium cepa* L.]. Watercolor by Marilena Pistoia of Italy. From Flora Portrayed exhibition. Hunt Institute collection.

BULLETIN OF THE  
HUNT INSTITUTE FOR BOTANICAL DOCUMENTATION  
Carnegie-Mellon University, Pittsburgh, Pennsylvania 15213  
Editor: T. D. Jacobsen

Published twice per year for Spring/Summer and Fall/Winter by the Institute.  
Annual subscription rates: U.S. \$4.00; elsewhere \$5.00, airmail \$6.00. Hunt  
Associates receive the *Bulletin* as a benefit of membership.

All correspondence regarding subscriptions, institutional exchanges, missing  
issues, and announcements for publication in the *Bulletin* should be directed to  
Mrs. Karen K. Britz at the Institute.

The *Bulletin* does not publish book reviews. Books for review in the Institute's  
journal, *Huntia*, should be directed to Dr. Robert W. Kiger, its Editor, at the  
Institute.

© 1983 by the Hunt Institute for Botanical Documentation.  
All rights reserved.  
ISSN 0192-3641

## ARCHIVES

One of our recent acquisitions concerns the life and work of José de Jesús Jiménez (1905-1982) of the Dominican Republic, an eminent physician and renowned botanist who published numerous papers in both fields. He began the study of botany as a hobby when he was already a practicing physician, and became so fascinated by the science that he learned the German language in order to read Ignatz Urban's papers on Erik Ekman's numerous collections from the Dominican Republic. Ekman was a Swedish botanist who first collected there in 1917. He was forced to leave because of an attack of malaria but returned in 1924 and then remained in Santiago until his death in 1931.

Throughout his career, Jiménez was dedicated to the history of botany in his country as well as to the documentation of its flora. Among his early publications was *Catalogus florae Domingensis, Suplemento* (Pavia, 1961) and one of his later papers dealt with protecting the plants of the Dominican Republic from extinction ("Lista tentativa de plantas de la República Dominicana que deben protegerse para evitar su extinción," 1978).



The Jiménez materials received by the Institute include a pictorial album, texts of speeches by and about Jiménez, bibliographies of his medical and botanical publications, and biographical sketches. The latter include references to the many honors he received.

During the summer Pamela Herbst, an Archival Intern, assisted us in arranging and describing the group photographs in the Portrait Collection, preparatory to making entries for the catalogue of the collection now being compiled for publication. Ms. Herbst is in the Master of Arts program in history at Duquesne University.

#### LIBRARY

The Library's holdings are increasingly recorded in machine-readable data bases. Entries for our current journal subscriptions have now been incorporated in the Carnegie-Mellon University Libraries journal list; in time, it will report all our journal holdings. Also, more works in our collection have been identified and described for the Eighteenth-Century Short-Title project. Reference information on our collections has also been included in the recently published CBHL *Directory of member libraries*, edited by Ms. Callery. It describes and indexes over 90 botanical and horticultural collections, largely in North America.

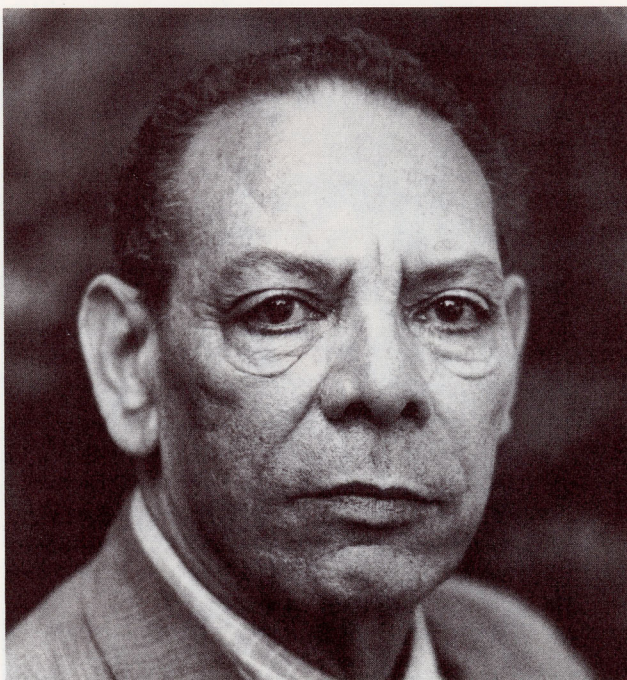
#### LAWRENCE MEMORIAL AWARD

Raymond B. Cranfill of the University of California, Berkeley was chosen to receive the 1983 Lawrence Memorial Award. A student of Dr. Thomas O. Duncan, Mr. Cranfill is investigating the taxonomy, evolution and genetics of the fern genus *Pellaea* (Adiantaceae). He is using the proceeds of the Award for travel to Brazil and South Africa for field research.

The Award Committee now invites nominations for the 1984 Lawrence Memorial Award. Honoring the memory of Dr. George H. M. Lawrence, founding Director of the Institute, the Award (\$1,000) is given annually to support travel for doctoral dissertation research in systematic botany or horticulture, or the history of the plant sciences, including literature and exploration.

Major professors are urged to nominate outstanding doctoral students who have achieved official candidacy for their degrees and will be conducting pertinent dissertation research that would benefit significantly from travel enabled by the Award. The Committee will not entertain direct applications. A student who wishes to be considered should arrange for nomination by his/her major professor; this may take the form of a letter which covers supporting materials prepared by the nominee.

Nominating materials should describe briefly but clearly the candidate's program of research and how it would be significantly enhanced by travel that the Award would support. Letters of nomination and supporting materials, including seconding letters, should be received by the Committee no later than 1 May 1984 and should be directed to Dr. Kiger at the Institute.



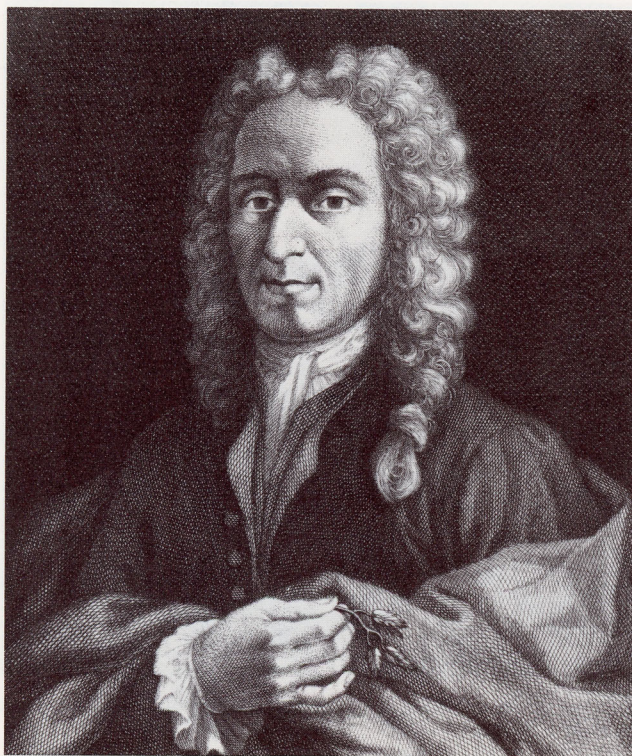
Dr. José de Jesús Jiménez (1905-1982). Photo by W. H. Hodge, Hunt Institute collection.

#### DELECTUS HUNTIANI 7

One of the treasures in the Institute's Archives is an Italian manuscript written about 1754 by Giovanni Targioni Tozzetti (1712-1783). Two copies of this manuscript exist — the original written by Targioni himself and a copy made by an amanuensis under his supervision. The former is the one in our collection. Targioni became a physician as well as the director of the Magliabachi Library in Florence, Italy. When he was nineteen, his father noted his interest in the natural sciences and entrusted him to the renowned naturalist Pier'Antonio Micheli (1679-1737) to study botany. For six years Targioni traveled and studied with Micheli, whose studies in mycology are among the important pioneer works in plant biology. In 1729, Micheli published the first part of his *Nova plantarum genera*, but he died before completing it, leaving a considerable amount of data unpublished. Targioni purchased Micheli's library, herbarium and papers in 1738, intending to arrange the material and have it published. However, he was so occupied with his duties as a physician and librarian and with his own research that he managed only to publish a few of the short papers and Micheli's *Catalogus plantarum Horti Caesaris Florentini* (1748). About 1752, Targioni began writing a history of science in Tuscany (published in 1852 by the R. Biblioteca Palatina as *Notizie della storia della scienze fisiche in Toscana cavate da un MS. inedito di Giovanni Targioni Tozzetti*); to complement this work, he wrote a biography of Micheli, the manuscript in our collection.

The manuscript begins with an undated letter from Targioni to his son Ottaviano about the inheritance he is leaving him of





Pier'Antonio Micheli (1679-1737). Hunt Institute collection.

books, manuscripts, and artifacts gathered or created by Micheli and put in order by Targioni. The biography itself discusses important people and events in Micheli's life, such as his first teachers in Florence, and his meeting with William Sherard in 1697 when Micheli was eighteen. Micheli was then working as an assistant in the botanical gardens of Pisa and Florence. Sherard was so impressed by the young man that in a conversation with the Grand Duke of Tuscany, Cosimo III, he praised Micheli's knowledge of botany. As a result of this exchange, Micheli began to receive a stipend from Cosimo III to assist his studies and travels.

Micheli's travels are well documented in this manuscript and many pages are devoted to detailed accounts like the following: "In 1735 from the 10th to the 21st of June in the company of Dr. Joseph Bedford, English physician, he [Micheli] made a trip along the shore and in the environs of Leghorn and Pisa, and I remember he returned with his face, hands, and legs full of painful blisters from the sun which bothered him for days. Along with that he got bit by flies, gnats and mosquitos while collecting in the marshy thickets during the hot hours of the day. He recorded 110 plant specimens which he had observed and described a nest of Sphecids wasps."

Micheli was a prodigious letter writer. His correspondents included Herman Boerhaave, Kaspar Commelin, Johann Jakob Dillenius, Antoine Laurent de Jussieu, Carl Linnaeus, Hans Sloane, Sebastian Vaillant and Joseph Pitton de Tournefort,



Giovanni Targioni Tozzetti (1712-1783). Hunt Institute collection.

among the most notable of many. The biography is interspersed with quotations from these letters, which were all carefully accounted by Targioni. He recorded the date of each letter, the location and profession of its sender, a short summary of the content, and selected direct quotations.

Also of interest in the manuscript are inventories of Micheli's various collections (zoological, botanical, mineral); catalogues of his manuscripts; various lists that Micheli had made, such as an account of the fruits served daily during the course of a year at the table of Lorenzo, Grand Duke of Tuscany; lists and descriptions of citrus fruits observed in the Venetian gardens in 1736; bibliographies compiled by Micheli on lithology and philology; and a catalogue compiled by Gio. de Baillou of all the specimens used by Micheli in preparing the *Nova plantarum genera*. Micheli's last will and testament made on 31 October 1736 concludes the manuscript.

The title page bears the inscription (translated) "This manuscript was written, for the most part, by Dr. Giovanni Targioni Tozzetti, my grandfather, concerning the life of the celebrated Florentine botanist Pietro Antonio Micheli; affectionately given to my dear friend and scholar, Antonio Brucalassi as a remembrance of my grandfather and me. [Signed] Prof. Antonio Targioni Tozzetti."

Tipped in just before the title page is a letter dated 10 December 1856 to Antonio Brucalassi, Genoa, Italy from Carlo Torrighiani of Florence informing Brucalassi of the death of



Antonio Targioni Tozzetti. Torrigiani and another executor of the estate had found some of Brucalassi's letters while going through Antonio's effects, among which they also found an amanuensis copy of the Micheli biography by Giovanni Targioni. They were aware that the original had been given to Brucalassi and asked his advice about disposal of these papers which they felt also belonged to him.

In 1858, 121 years after Micheli's death and 75 years after that of his devoted student Giovanni Targioni Tozzetti, *Notizie della vita e delle opere di Pier'Antonio Micheli* was published in Florence by Felice Le Monnier. The introduction to this published version notes that (in translation) "Two copies of this manuscript exist — the original, missing a few sections but made complete by inserting sections from the second copy where necessary, belongs to Antonio Brucalassi who received it in friendship from Antonio Targioni Tozzetti."

— Anita L. Karg

## RECENT ACQUISITIONS

### Art Collection

"*Lecythis pisonis* Cambessèdes subsp. *usitata*," pen-and-ink by Bobbi Angell (New York).

"*Cattleya* × *guatemalensis*," wood engraving by Gerard Brender à Brandis (Ontario). Donated by the artist.

"*Orothamnus zeyheri*," watercolor by Elise Bodley (South Africa). Donated by the artist.

"*Lathyrus odoratus* Swan Lake" and "*Romneya coulteri*," watercolors by Elizabeth Cameron (Scotland). Donated by the artist.

"*Chytranthus longiracemosus* Gilg. ex Radlk.," pen-and-ink by Nicolas M. P. Hallé (France). Donated by the artist.

"Japanese White-eye (*Zosterops japonica*) on Indian Golden Shower Tree (*Cassia fistula*)," watercolor by Nancy Halliday (Florida). Donated by Dr. and Mrs. Alan R. Katritzky of Gainesville, Florida in memory of Frederick Charles Katritzky, F.Z.S. (1886-1975).

"Magnolia Fig, southern Oklahoma" and "Osage Orange," carbon and conté, and "Seed pods and leaves of Goldenrain Tree; Sapindaceae, *Koelreuteria paniculata*," silverpoint, by Gerald P. Hodge (Michigan). Donated by the artist.

Four untitled ink drawings and 15 untitled watercolors by Lou Hurst (Ohio). Donated by Pauline T. Munk of Columbia Station, Ohio.

"*Primula veris* L.," "*Rosa canina* L." and "*Tilia cordata* Miller," watercolors by Petr Liška (Czechoslovakia).

"Pears," lithograph by Alan Magee (Maine).

"Delphiniums," serigraph by Tjelda Michas (New Jersey). Donated by the artist.

"*Stauntonia hexaphylla* Decne. [*sic*, *Stauntonia hexaphylla*]," watercolor by Mrs. Fumiko Nagasa (Japan). Donated by the artist.

"Insolence," engraving by Christiane Roy (Québec).

"Boston Fern sp.," nature print by Renata Sawyer (Pennsylvania). Donated by the artist.

"African daisies," "Hawaiian papayas" and "*Spathodea campanulata*," lithographs by Marion Sheehan (Florida). Donated by the artist.

"Lillyem [*Lilium*] *reticulatum*" dated 1787, watercolor by James Sowerby (England). Donated by Gavin D. R. Bridson.

"Skunk Cabbage," watercolor by Jessica Tcherepnine (New York). Donated by the artist.

"*Phaenopsis* [*sic*, *Phalaenopsis*]," watercolor by Vivian Thierfelder (Alberta). Donated by the artist.

"*Convolvulus cneorum*," "*Moricandia arvensis*" and "*Bulbophyllum lobbii*," watercolors by Anne Trechslin (Switzerland). Donated by the artist.

Untitled watercolor and untitled pen-and-ink of lichens by Annemarie Tröger (Germany). Donated by the artist.



Watercolor by Nancy Halliday. See recent acquisitions.



"Spring Beauties and Violets," etching by Robert Wolfe (Ohio). Donated by the artist.

"*Heliconia cannoidea* Rich.," watercolor by Carmen S. Zocchio Fidalgo (Brazil). Donated by Instituto de Botânica, São Paulo, Brazil.

### Library

Anderson, Alexander. *Alexander Anderson's Geography and history of St. Vincent, West Indies*. Cambridge, MA, 1983. Edited by Richard and Elizabeth Howard. Donated by the author.

———. *Alexander Anderson's The St. Vincent Botanic Garden*. Cambridge, MA, 1983. Edited by Richard and Elizabeth Howard. Donated by the editors.

Angeley, João. *South American botanical bibliography*. São Paulo, Edições Phytos, 1980. 5v. Donated by the author.

Benson, Lyman. *The cacti of the United States and Canada*. Stanford, CA, Stanford University Press, 1982.

Delaporte, Francois. *Nature's second kingdom*. Cambridge, MA, 1982.

*The Englishman's garden*. Boston, David Godine, 1983. Edited by Alvide Lees-Milne and Rosemary Verey. Donated by the publisher.

Jacquin, Nicolaus Joseph. *Stapeliarum in horto vindobonensibus cultarum*. Sandton, South Africa, Constantia Classics Publications, 1982. Facsimile reprint.

Lerner, Carol. *A biblical garden*. New York, Morrow, 1982. Donated by the author.

———. *Flowers of a woodland spring*. New York, Morrow, 1979. Donated by the author.

———. *Pitcher plants*. New York, Morrow, 1983. Donated by the author.

Ray, John. *Dictionarium trilingue*. London, Ray Society, 1981. Facsimile reprint with introduction by W. T. Stearn. Donated by the Dr. Stearn.

West, Keith. *How to draw plants*. London, Herbert Press in association with British Museum (Natural History), 1983.

### Manuscript Collection

Otto Degner, Walter H. Hodge, Ida K. Langman and Antonio Rodrigo Pinta da Silva. Augmentation of personal papers.

Jiménez Sr., José de Jesús. Augmentation by José de Jesús Jiménez, Jr., James R. Estes (University of Oklahoma) and Richard Howard (Arnold Arboretum).

### Portrait Collection

Fifty photographs of contemporary botanists. Donated by Robert M. King (Smithsonian Institution).

### RECENT PUBLICATIONS

Register of plant collectors' field notes held in North American institutions. M. T. Stieber. *Huntia* 4(3), 1982. 51 pp. Soft cover, \$10.00.

Survey-compiled annotated account of holdings in Caribbean, Mexican, Canadian and the U.S. institutions. Lists over 600 repositories and their holdings by collector, cross-referenced from separate consolidated list of collectors.

*Catalogue[.] 5th International Exhibition of Botanical Art & Illustration*. J. J. White and D. E. Wendel, comps. 1983. 115 pp., 157 figs. Soft cover, \$15.00.

Portraits, biographies and bibliographies of 65 20th-century artists from 12 countries, with illustrations of works by each. Latest addition to series constituting the most comprehensive reference to 20th-century botanical artists, with cumulative index to 474 artists now included.

*Flora portrayed: Classics of botanical art from the Hunt Institute collection*. J. V. Brindle and J. J. White with the assistance of D. E. Wendel. 1983. 92 pp., 90 figs. (55 in color). Soft cover, \$18.00.

Descriptions, commentary and reproductions of 88 representative works dating from the 17th century to the present, with historical introduction.

*Talking in flowers: Japanese botanical art*. J. V. Brindle and J. J. White. 1982. 96 pp., 95 figs. (25 in color). Soft cover, \$15.00.

Catalogue of an exhibition of mainly 19th- and 20th-century Japanese botanical art, with historical introduction. Drawn primarily from the Institute's collection, works include books, handscrolls, sketch-book albums, woodblock prints and paintings.

*Simple repair and preservation techniques for collection curators, librarians and archivists*, ed. 2. J. Gunner. 1981. 18 pp., illus. Soft cover, \$3.00.

Practical basic techniques for repairing, sewing and maintaining books, manuscripts and art on paper. Expanded edition includes instructions for making a book cradle and a list of selected supplies of bookbinding/conservation materials.

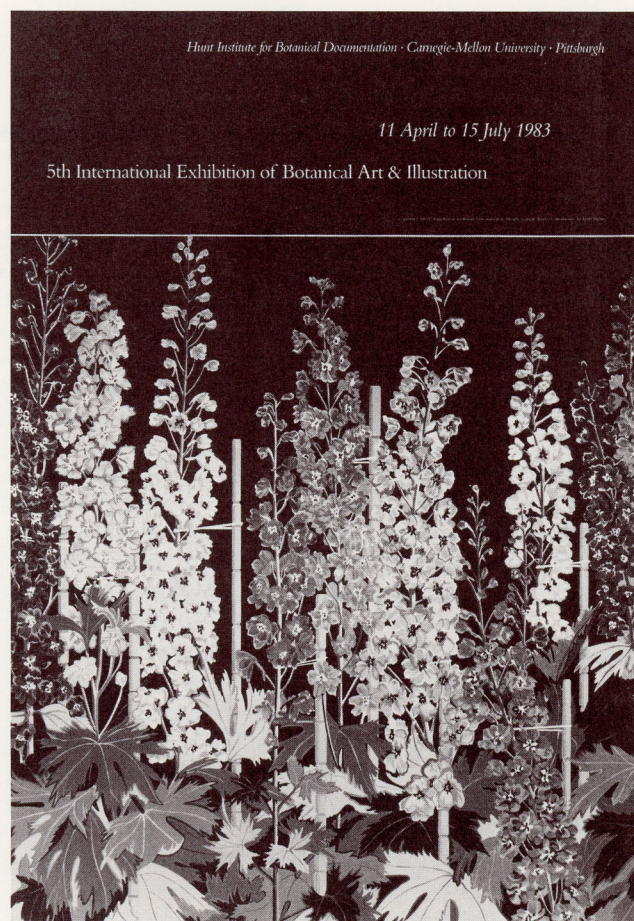
*International register of specialists and current research in plant systematics*. R. W. Kiger, T. D. Jacobsen and R. M. Lilly. 1981. viii, 346 pp. Soft cover, \$10.00.

Computer-generated worldwide register of plant systematists, their specialties and current projects. Includes taxonomic, geographic, geologic and methodological/general-subject indices.

*Kate Greenaway*. Catalogue of an exhibition . . . from the Frances Hooper Collection . . . R. W. Kiger, ed. B. G. Callery, M. T. Stieber, J. J. White and E. A. Mosimann, comps. 1980. 112 pp., 168 figs. (34 in color). Hard cover, \$22.00.

Annotated catalogue of selected artworks, books, manuscripts and miscellany from the Frances Hooper Collection now at the Institute, with introductory essays by Miss Hooper, Rodney Engen and John Brindle, and a summary register of the entire collection. Gold-stamped cloth binding with color-illustrated inset and endpapers. Set in Bookman phototype and printed on Hunt-watermarked Curtis No. 2 rag paper.





### 5TH INTERNATIONAL POSTER

New Jersey artist Tjelda Michas created her serigraph "Delphiniums" especially for reproduction as our 5th International poster and catalogue cover. Measuring 28 × 19 ½ inches, the poster is available for \$10.00 (Associates cost \$8.00), plus \$2.00 postage and handling.

### CACTUS POSTER

British artist John Wilkinson generously granted us permission to reproduce his handsome watercolor of a Star Cactus (*Astrophytum ornatum*) on the poster for our recent cacti and succulents exhibition. Measuring 22 x 28 inches, this full-color production won Best of Category in the 1982 Western Pennsylvania Printing Industry Awards competition. It is available for \$10.00 (Associates cost \$8.00), plus \$2.00 postage and handling.

All Institute publications are available in the United States and Canada directly from the Institute. Orders from individuals must be prepaid; institutions and dealers with established accounts will be invoiced on request. Standing orders accepted. Hunt Institute Associates receive a 20% discount from regular list prices. Resale discount quotations on request. Pennsylvania residents add 6% sales tax. Postage and handling: US, 10% of total order amount, \$2.00 minimum — Foreign, 15% of total order amount, \$3.00 minimum.

Purchases from the Institute may be charged to your American Express, Visa or Master Card account. To do so, please sign your order and include all the information embossed on your card.

Orders from outside the United States and Canada (except from Associates) should be sent to our overseas distributor: Wheldon & Wesley, Ltd., Lytton Lodge, Codicote, Hitchin, Herts SG4 8TE, England.

A BROCHURE DESCRIBING ALL INSTITUTE PUBLICATIONS IN PRINT IS AVAILABLE UPON REQUEST.

### HUNT INSTITUTE ASSOCIATES

We invite those individuals who share the Institute's interests, whether professionally or avocationally, to participate in our program as Hunt Institute Associate. The benefits of Associate membership include:

- Subscription to issues of *Huntia* OR exhibition catalogues published during the year. Patrons receive both subscriptions.
- Subscription to the *Bulletin*.
- Discount (20%) on all Institute (sole imprint) publications, and on some works published under joint imprint.
- Discount (20-40%) on Institute cards, reproductions, and other sale items.
- Eligibility for staff volunteer program in curation and research.
- Page-charge waiver (five pages per year) on articles accepted for publication in *Huntia*.
- Invitations to exhibition preview receptions.
- Receipt of all Institute mailings.
- Preferential eligibility for sales of duplicate books and unaccessioned artworks.
- Preferential query service.
- Reduced rates for photoreproduction services.

I wish to join the Hunt Institute Associates for 1984 as a  
Regular Member (\$25) ☐ Patron (\$100 or more) ☐

My check for \$ \_\_\_\_\_ (tax deductible) is enclosed

name \_\_\_\_\_

address \_\_\_\_\_

institutional affiliation & title if applicable \_\_\_\_\_

As a benefit of membership I wish to receive  
*HUNTIA* (personal subscription, not for library deposit) ☐

or, Exhibition Catalogues ☐ (Patrons receive both)

I am ☐ am not ☐ interested in serving as a Staff Volunteer

signature \_\_\_\_\_

date \_\_\_\_\_

Make checks payable to Hunt Institute and return application to: Hunt Institute, Carnegie-Mellon University, Pittsburgh, PA 15213



## Staff (1983-1984)

## Office of the Director

Dr. Robert W. Kiger  
Dr. T. D. Jacobsen

Director & Principal Research Scientist  
Assistant Director & Senior Research  
Scientist  
Administrative Assistant  
Administrative Assistant

Mrs. Karen K. Britz  
Mrs. Donna M. Connelly

## Department of Art

Mr. James J. White  
Mr. Donald E. Wendel

Curator of Art & Senior Research Scholar  
Assistant Curator of Art & Research  
Scholar

Mr. John V. Brindle  
Sr. Jaime Torner Pannochia  
(Barcelona)

Curator of Art, Emeritus  
Honorary Curator, Torner Collection of  
Sessé & Mociño Biological  
Illustrations

Sr. Luis Torner Pannochia  
(Barcelona)

Honorary Curator, Torner Collection of  
Sessé & Mociño Biological  
Illustrations

## Hunt Botanical Library

Ms. Bernadette G. Callery  
Ms. Elizabeth A. Mosimann  
Dr. Birger Strandell  
(Stockholm)  
Ms. Frances Hooper

Librarian  
Assistant Librarian  
Honorary Curator, Strandell Collection  
of Linnaeana  
Honorary Curator, Frances Hooper Kate  
Greenaway Collection  
Honorary Curator, Van Trump Pittsburgh  
Area Garden Archive

Mr. James D. Van Trump

## Department of Bibliography

Mr. Gavin D. R. Bridson

Bibliographer & Senior Research Scholar

## Archives

Dr. Michael T. Stieber  
Mrs. Anita L. Karg  
Mr. Theodore W. Bossert

Archivist & Senior Research Scientist  
Assistant Archivist  
Curator of Portraits, Emeritus

## Bindery

Ms. Jean Gunner

Bookbinder and Conservator

## Business Office

Mrs. Karen F. Hornak

Business Manager

## General Program and Operations

Mrs. Elizabeth R. Smith  
Mr. Frank A. Reynolds  
Ms. Bernice Poellnitz  
Mr. Joseph A. Calcutta  
Mr. Rob Roy Kelly  
Mr. Thomas C. Pears III  
Dr. Gilbert S. Daniels  
Dr. Rogers McVaugh  
Dr. Frederick H. Utech  
Mrs. Dorothy L. Pearth  
Ms. Sue A. Thompson

Assistant Editor  
Operations Manager  
Housekeeper  
Operations Consultant  
Design Consultant  
Design Consultant  
Adjunct Research Scientist  
Adjunct Research Scientist  
Adjunct Research Scientist  
Adjunct Research Scientist  
Adjunct Research Scientist

## Office of the Director

(412) 578-2434

## Department of Art

578-2440

## Hunt Botanical Library

578-2435

## Archives (including biography and iconography)

578-2437

## Department of Bibliography

578-2438

## Bindery

578-2436

## Business Office

578-2439

THE HUNT INSTITUTE  
*Carnegie-Mellon University*  
*Pittsburgh,*  
*Pennsylvania 15213*

Non-profit Org.  
U.S. Postage  
**PAID**  
Pittsburgh, PA  
Permit No. 251