

At the time of this report there are at the Arboretum approximately 5,973 accessions, 170 families, 1,056 genera, 3,420 species, and 1,398 varieties of plants in the field.

The seed exchange program with foreign botanic gardens has increased in this biennium from 135 to 399. 4,163 packages of seed were sent, and 2,082 received from botanic gardens in almost all parts of the world, including Hong Kong, Taiwan (Formosa), Pakistan, Iraq, Egypt, Israel, Rhodesia, and 42 Soviet republics. New contacts were established with several Japanese, African and Australian gardens. Contacts with Central and South American gardens remain very limited. Domestically, the Arboretum exchanges seed with 110 botanic gardens located throughout the country.

### Weather

Daily reading of temperature, rainfall, water evaporation and relative humidity are recorded and forwarded monthly to the Los Angeles County Flood Control District from the Arboretum Weather Station No. 1037-E. In addition, from November 15 to February 15 of each year the Arboretum sends to the United States Weather Bureau Frost-Warning Service in Pomona, daily information from which is determined possible frost for the western San Gabriel Valley. Weather data is referred to and used by the Arboretum staff, Research Division, Smog Control Unit, and many newspapers and water departments in the area.

Weather data for the two year period:

	<u>1965-6</u>	<u>1966-7</u>
Lowest temperature	30° — Dec. 28, 1966	32° — Jan. 1, 1967
Highest temperature	104° — Aug. 8, 1965	100° — Oct. 30, 1966
Total rainfall	24.88 in.	28.87 in.
Total days of rainfall	33 days	47 days
Heaviest monthly rainfall	November — 14.39 in.	December — 8.13 in.

## AFFILIATED FOUNDATIONS

### California Arboretum Foundation

The CAF, a nonprofit organization incorporated in 1948, continues to pursue its basic aim of contributing to the development of the Arboretum through: donations, monetary and non-monetary; Foundation memberships; services to Arboretum visitors.



The Foundation is governed by a Board of Trustees, consisting of twenty-five Foundation members elected for a three-year term. Current officers are:

President	Dr. Arie J. Haagen-Smit
Vice-President	Mrs. Forrest Q. Stanton
Secretary	Mr. Ernest E. Hetherington
Treasurer	Mr. Howard A. Miller

A staff of four and an executive secretary are in charge of the offices and gift and book shop. As of June 30, 1967, the Foundation had 641 members.

Listed below are the major contributions made by the Foundation in the past two years:

1. Funds designated for perpetuation of the Historical Section provided viewing windows in the doorways of the Hugo Reid Adobe. (\$345)
2. Funds for purchase of rare books for Arboretum library. (\$1,217.77)
3. Matching funds with Sunset Magazine for plantings in Home Demonstration Gardens. (\$600)
4. Funds to obtain rare plants for Arboretum greenhouses. (\$346)
5. Donation of plants and seeds in the amount of \$7,500.
6. Publication of a quarterly, "Lasca Leaves," for distribution to members, botanical gardens, educational institutions, and government agencies. This publication contains scientific, historical and educational articles related to the Arboretum and its work, and provides a source of exchange for publications from other scientific institutions.
7. Funds for trees for Arboretum and Arbor Day ceremonies. (\$86)
8. Funds for hibiscus research project. (\$828) (See RESEARCH: Hibiscus)
9. Grant awards for research from:
  - a. National Science Foundation. Amount: \$31,000. Project: "Analysis of Leaf and Flower Petal Flavonoids as an Index of Taxonomic Differentiation in the Diploid Species of 'Gossypium'." (See RESEARCH: Chemotaxonomic study...)
  - b. National Institutes of Health. Amount: \$22,879. Project: "Air Pollution Effects on Plant Tissue." (See RESEARCH: Air Pollution)
  - c. Longwood Foundation. Amount: \$5,877. Project: "Ornamental Plant Breeding - Camellia Research." (See RESEARCH: Camellia)



10. Funds in excess of \$40,000 toward construction and furnishing of the Peacock Pavilion housing offices, storage, gift and book shop on lower level; snack; bar on upper level.
11. Donation to the County of Los Angeles of a \$16,500 Minibus seating 45 adults. This two-section vehicle is used, together with the previously Foundation-purchased jeep and trailer, to provide free daily tours of the Arboretum.
12. Funds for fountain, benches, and landscaping in the Peacock Pavilion patio. (\$5,063)
13. Donations for summer instructors in Youth Education Section. (\$1,176)
14. Funds for marble steps to Bauer Pool entranceway. (\$9,000)
15. Funds for entranceway concrete benches. (\$1,820)
16. Maintenance of jeep and minibus. (\$1,936)
17. Funds for planned construction of Manfred Meyberg Memorial waterfall on Tallac Knoll. (\$37,500)

The Foundation sponsors alone or with other organizations a variety of events which serve the interests of the public and horticultural specialists. Typical are flower shows, lectures, and exhibits of botanical art. Another example of Foundation activity is its participation with Los Angeles Beautiful and Southern California Horticultural Institute in matching funds to publish booklets on flowering trees, vines and shrubs in connection with the "Celebrate with Color" program for state and national beautification.

#### Descanso Gardens Guild

The Guild was formed in 1958 by a group of civic-minded citizens determined to preserve Descanso Gardens by helping to make it a facility of the County. From that time to the present, the Guild has contributed generously to the Gardens' development, never more effectively than under the leadership of its president, Mrs. Forrest Kresser Smith.

This past biennium saw the fruition of the Guild's most impressive effort to date—the dedication and presentation of an Oriental Teahouse to the County of Los Angeles. (See photo and caption under GROUNDS DEVELOPMENT.) This structure and surrounding Japanese garden have proven a delight to visitors from all over the world. The garden was created by members of the Japanese-American community and the Descanso Gardens staff.



The Guild sponsors many events which attract visitors to the Gardens. A new one was a bonsai show held September 24-25, 1966. Attendance for those weekend dates was 7,700, prompting plans to make the show an annual affair.

The Guild's most spectacular event is the biennial Festival of Fountains and Garden Lighting, running approximately six weeks, starting August 1. Close to 60,000 night-time and 31,000 daytime visitors witnessed the display and exhibits in 1965.

A program for handicapped children, sponsored by the Guild and increased by fifty percent in this biennium, served 45 children from the Roosevelt School of Pasadena three times a week, and 25 children from the Home School of Glendale once a week. Much credit and many thanks are due Mrs. Lee Milbank and Mrs. Dorothy Deschler Fulmor for their effective work in this program. These ladies have contributed an impressive 5,600 volunteer hours since 1962; a new docent program is expected to ease their workload as well as contribute to work needs in other areas of the Gardens.

#### South Coast Botanic Garden Foundation

The South Coast Botanic Garden Foundation, incorporated under the leadership of its founder-president, Mrs. Frances (R. O.) Young, continues its interest and assistance in the development of the South Coast Botanic Garden. Among its regular contributions are the publication of a Quarterly Bulletin giving information on the development of the Garden and on items of horticultural interest to members, and the sponsorship of the Fiesta de Flores, a flower show that has become an annual attraction. In 1967 the show was held June 16, 17 and 18, and drew some 5,000 visitors.

In this biennium, the 8th National Accredited Dahlia Trial Garden under the directorship of Mr. Alan True created interest in a number of foreign countries, seven of which sent tubers for testing. Due to the exceptional care given the Garden by the Dahlia Society and the South Coast staff, the Trial Garden now ranks third in the United States behind the one in the New York Botanic Garden and the one at the University of Michigan.

Garden improvements, such as the Youth Education tool house and cement slab for a Youth Education greenhouse, a floor in the club house, an anemometer and two greenhouses, were made at a cost of \$5,053.48. Plants were donated valued at \$6,263.

The Information Aides, with Mrs. Eugene Hillman, chairman, gave school tours under the guidance of Mrs. Kenneth Norris (see EDUCATION: Youth Section) and have assisted in plant propagating.



Monies are being held in trust for construction of a small waterfall in the stream. A fund has been established for a tram, and another fund established for future physical improvements in the garden as agreed upon in cooperation with the Department.

The Foundation has been handicapped in the securing of donations in this biennium because of problems over which it has no control. It is hoped these problems will soon be rectified in order that the Garden may progress as rapidly as possible.

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### Los Angeles Camellia Council

Acknowledgement is made here of the many contributions over the years by the Los Angeles Camellia Council to Descanso Gardens. In this past biennium the Council has presented the following to the Gardens:

A trimmer power mower.

An electric water heater and shower for the use of Garden employees.

A circulating pump for a garden pool.

A chain saw for the tree crew.

Outdoor lights for the road to the Hospitality House.





Dimond, Donald S. 1961. "Affiliated foundations." *Biennial report* 1965-67, 22-26.

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