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ANNUAL REPORT 1953 - 54



LOS ANGELES STATE and COUNTY ARBORETUM

LOS ANGELES COUNTY
DEPARTMENT OF ARBORETA
AND BOTANIC GARDENS

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OCTOBER, 1954
D. 50



LOS ANGELES STATE and COUNTY ARBORETUM

291 No. Old Ranch Road, Arcadia, California

J. SEIBERT, DIRECTOR

October 1, 1954

Telephone: DOuglas 7-3444

Honorable Board of Supervisors
County of Los Angeles
501 Hall of Records
Los Angeles 12, Calif.

Gentlemen:

It is a pleasure to submit herewith the first Annual Report of the Department of Arboreta and Botanic Gardens, County of Los Angeles.

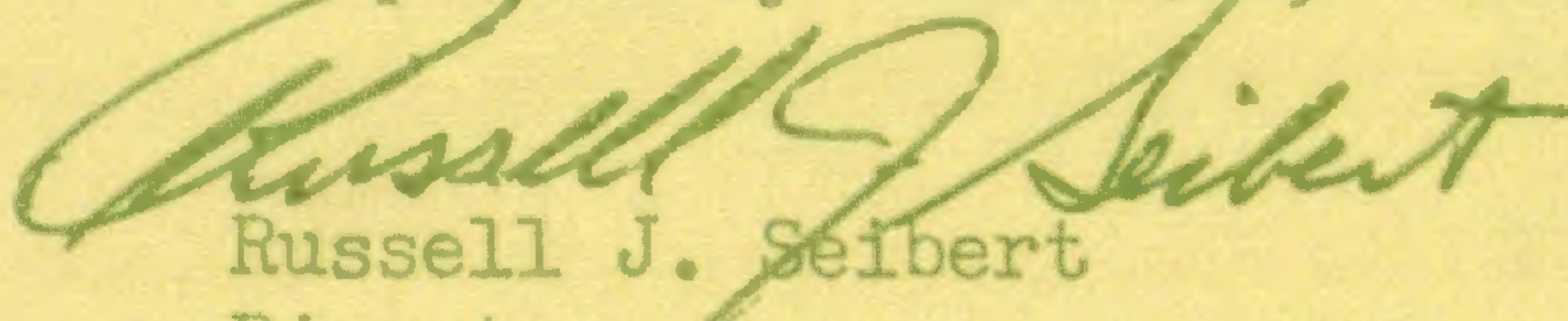
Since its inception in 1948, until the close of the fiscal year 1952-53, the Los Angeles State and County Arboretum was operated by California Arboretum Foundation, Inc., a non-profit corporation receiving most of its operating funds through County subvention.

Beginning with this fiscal year 1953-54, the Department of Arboreta and Botanic Gardens was created to operate and develop the Los Angeles State and County Arboretum.

The Arboretum is under a long-term development program. It will serve present and future generations of Los Angeles County residents as a center for plant research, introduction, testing, improvement, information and display of exotic plant materials which are well adapted to Los Angeles County conditions.

It is felt that your Honorable Board is doing a great service to the plant minded residents and property owners of Los Angeles County in fulfilling the need for a public Arboretum. Through this basic facility will come much of the united incentive to improve Los Angeles County as the beauty spot of the nation.

Respectfully submitted,


Russell J. Seibert
Director

RJS:jd

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LOS ANGELES COUNTY

DEPARTMENT OF ARBORETA AND BOTANIC GARDENS

LOS ANGELES COUNTY

BOARD OF GOVERNORS

SAMUEL AYRES, JR., PRESIDENT - TERM EXPIRES JUNE 30, 1955

DEPARTMENT OF ARBORETA AND BOTANIC GARDENS

MRS. RABBI J. BAUER, VICE PRESIDENT - TERM EXPIRES JUNE 30, 1956

ROBERT CASAVANOH, VICE PRESIDENT - TERM EXPIRES JUNE 30, 1954

EDWARD A. MILLER, TREASURER - TERM EXPIRES JUNE 30, 1956

BOARD OF SUPERVISORS

RALPH D. CORNELL - TERM EXPIRES JUNE 30, 1954

MRS. RICHARD Y. DARIN - TERM EXPIRES JUNE 30, 1954

HERBERT C. LEGG - 1ST DISTRICT

JOHN ANSON FORD - TERM EXPIRES JUNE 30, 1955

J. D. ZIEGLER - TERM EXPIRES JUNE 30, 1954

KENNETH HAHN - 2ND DISTRICT

WILLIAM BERTRICH - TERM EXPIRES JUNE 30, 1954

MARGARET LOUIS HOPPMANN - TERM EXPIRES JUNE 30, 1955

JOHN ANSON FORD, - 3RD DISTRICT

HENRY ISHIDA - TERM EXPIRES JUNE 30, 1957

CHARLES S. JONES - TERM EXPIRES JUNE 30, 1955

BURTON W. CHACE - 4TH DISTRICT

JOHN C. MACFARLAND - TERM EXPIRES JUNE 30, 1954

MRS. JOHN R. MAGE - TERM EXPIRES JUNE 30, 1955

ROGER W. JESSUP - 5TH DISTRICT

SAMUEL MOSHER - TERM EXPIRES JUNE 30, 1956

MRS. RUDOLPH J. RICHARDS - TERM EXPIRES JUNE 30, 1954

F. HAROLD ROACH - TERM EXPIRES JUNE 30, 1955

ARTHUR J. WILL, CHIEF ADMINISTRATIVE OFFICER

MRS. WILLIAM D. SREARER - TERM EXPIRES JUNE 30, 1954

HENRY C. SOTO - TERM EXPIRES JUNE 30, 1956

FRANK E. TITUS - TERM EXPIRES JUNE 30, 1955

MRS. HERBERT S. WATTE - TERM EXPIRES JUNE 30, 1955

FRIEDRICH W. WENT - TERM EXPIRES JUNE 30, 1955

LOS ANGELES COUNTY

DEPARTMENT OF ARBORETA AND BOTANIC GARDENS

BOARD OF GOVERNORS

SAMUEL AYRES, JR., PRESIDENT	-	TERM EXPIRES JUNE 30, 1955
MRS. HARRY J. BAUER, VICE PRESIDENT	-	TERM EXPIRES JUNE 30, 1956
ROBERT CASAMAJOR, VICE PRESIDENT	-	TERM EXPIRES JUNE 30, 1954
HOWARD A. MILLER, TREASURER	-	TERM EXPIRES JUNE 30, 1956
RALPH D. CORNELL	-	TERM EXPIRES JUNE 30, 1954
MRS. RICHARD Y. DAKIN	-	TERM EXPIRES JUNE 30, 1956
JOHN ANSON FORD	-	TERM EXPIRES JUNE 30, 1955
J. D. FUNK	-	TERM EXPIRES JUNE 30, 1954
WILLIAM HERTRICH	-	TERM EXPIRES JUNE 30, 1954
LIONEL LOUIS HOFFMANN	-	TERM EXPIRES JUNE 30, 1955
HENRY ISHIDA	-	TERM EXPIRES JUNE 30, 1957
CHARLES S. JONES	-	TERM EXPIRES JUNE 30, 1955
JOHN C. MACFARLAND	-	TERM EXPIRES JUNE 30, 1954
MRS. JOHN R. MAGE	-	TERM EXPIRES JUNE 30, 1955
SAMUEL MOSHER	-	TERM EXPIRES JUNE 30, 1956
MRS. RUDOLPH J. RICHARDS	-	TERM EXPIRES JUNE 30, 1954
F. HAROLD ROACH	-	TERM EXPIRES JUNE 30, 1956
MRS. WILLIAM D. SHEARER	-	TERM EXPIRES JUNE 30, 1954
HENRY C. SOTO	-	TERM EXPIRES JUNE 30, 1956
FRANK E. TITUS	-	TERM EXPIRES JUNE 30, 1955
MRS. HERBERT E. WAITE	-	TERM EXPIRES JUNE 30, 1955
FRITS W. WENT	-	TERM EXPIRES JUNE 30, 1955

LOS ANGELES STATE AND COUNTY ARBORETUM

Developed through the efforts of the Southern California Horticultural Society, sponsored by California Arboretum Foundation, Inc., and the Los Angeles County Board of Supervisors.

LOS ANGELES COUNTY

DEPARTMENT OF ARBORETA AND BOTANIC GARDENS

ANACAPITA, CALIFORNIA

LOS ANGELES STATE AND COUNTY ARBORETUM

STAFF

RUSSELL J. SEIBERT	-	DIRECTOR
GEORGE H. SPALDING	-	SUPERINTENDENT
LOUIS B. MARTIN	-	PLANT PHYSIOLOGIST
DEWEY E. NELSON	-	HISTORICAL CURATOR
W. QUINN BUCK	-	PLANT PROPAGATOR
J. THOMAS MCGAH	-	PLANT RECORDER
THELMA G. BLANCHARD	-	ACCOUNTANT
JANET WRIGHT	-	LIBRARIAN
H. H. BENSON	-	INFORMATION AID
JOYCE E. DAY	-	SECRETARY

LOS ANGELES STATE AND COUNTY ARBORETUM

(Founded through the efforts of the Southern California Horticultural Institute). Sponsored by California Arboretum Foundation, Inc., and the Los Angeles County Board of Supervisors.

GENERAL INFORMATION:

ADDRESS: 291 NORTH OLD RANCH ROAD. P.O. BOX 688

LOCATION: ARCADIA, CALIFORNIA

TELEPHONE: DOUGLAS 7-3444

PUBLIC ENTRANCE AND PARKING: 301 NORTH BALDWIN AVENUE
SOUTH OF COLORADO BLVD

OPENING DATE: WILL BE OPEN TO THE PUBLIC AFTER PUBLIC ENTRANCE, ADMINISTRATION AND INFORMATION FACILITIES ARE CONSTRUCTED. SUNDAY OPENINGS ARE ANTICIPATED STARTING ABOUT MID JANUARY, 1955.

SIZE: 127 ACRES.

ARBORETUM SITE: FORMER HOMESITE OF RANCHO SANTA ANITA.

FORMER OWNERS: PRIOR TO 1769 - GABRIELENO INDIANS

1769 - 1822 - KING OF SPAIN

1822 - 1841 - MEXICAN REPUBLIC

1841 - 1847 - HUGO REID

1847 - 1854 - HENRY DALTON

1854 - 1858 - JOSEPH A. ROWE

1858 - 1865 - WM. CORBITT AND ALBERT DIBBLEE

1865 - 1872 - WILLIAM WOLFSKILL

1872 - 1875 - HARRIS NEWMARK

LOS ANGELES STATE AND COUNTY ARBORETUM (CONTINUED)

1875 - 1913 - ELIAS J. ("LUCKY") BALDWIN

1913 - 1936 - ANITA BALDWIN MCCLAUGHRY ET AL.

1936 - HARRY CHANDLER

1936 - 1947 - RANCHO SANTA ANITA, INC.

1947 - STATE OF CALIFORNIA

PRESENT TITLE: STATE OF CALIFORNIA, PURCHASED JOINTLY BY STATE OF CALIFORNIA AND COUNTY OF LOS ANGELES, LEASED TO COUNTY OF LOS ANGELES FOR 50 YEARS FOR ARBORETUM PURPOSES.

ARBORETUM OPERATED BY: COUNTY OF LOS ANGELES, DEPARTMENT OF ARBORETA AND BOTANIC GARDENS.

LOS ANGELES STATE AND COUNTY ARBORETUM OBJECTIVES:

1. THE HORTICULTURAL CENTER FOR SOUTHERN CALIFORNIA, PROVIDING FACILITIES FOR THE PROMOTION OF HORTICULTURE AND FLORICULTURE, FOSTERING MORE EXTENSIVE AND INTELLIGENT USE OF ORNAMENTAL PLANTS AND TREES TO ENHANCE THE BEAUTY OF SOUTHERN CALIFORNIA'S GARDENS, PARKS AND PARKWAYS.
2. A CENTER FOR THE INTRODUCTION, TESTING AND IMPROVEMENT OF PLANTS ADAPTABLE TO SOUTHERN CALIFORNIA.
3. A GARDENING SCHOOL FOR TRAINING GARDENERS, GARDEN SUPERINTENDENTS, PROPAGATORS AND OTHER SKILLED PERSONNEL REQUIRED BY COMMERCIAL AND PRIVATE NURSERIES AND GARDENS; WITH SPECIAL EVENTS AND A PORTION OF THE CURRICULUM OF INTEREST TO AMATEURS.
4. A CENTER OF RESEARCH AND SCIENTIFIC STUDY, WORKING IN COLLABORATION WITH EDUCATIONAL INSTITUTIONS AND WITH FEDERAL, STATE AND COUNTY DEPARTMENTS OF AGRICULTURE. AN INFORMATION CENTER, MAINTAINING A CATALOGUE OF PLANTS CULTIVATED IN SOUTHERN CALIFORNIA. HERE SPECIMENS CAN BE READILY IDENTIFIED, AND PRACTICAL ADVICE GIVEN ON PLANTING, PROPAGATION AND CULTIVATION.
5. A LIBRARY AND HERBARIUM.

LOS ANGELES STATE AND COUNTY ARBORETUM OBJECTIVES (CONTINUED)

6. A PUBLICATION CENTER FOR BULLETINS, BOOKS AND PAMPHLETS OF HORTICULTURAL, BOTANICAL AND HISTORICAL INTEREST.

7. A PRESERVE OF EARLY CALIFORNIA BUILDINGS AND AUTHENTIC HISTORICAL GARDENS.

8. A BIRD SANCTUARY, 163 SPECIES RECORDED.

ACCESSIBILITY

LOCATED IN THE CITY OF ARCADIA, THE LOS ANGELES STATE AND COUNTY ARBORETUM LIES SOUTH OF COLORADO BOULEVARD AND WEST OF THE NEW EXTENSION OF BALDWIN AVENUE. IT IS LESS THAN 40 MINUTES' RIDE BY AUTOMOBILE FROM THE LOS ANGELES CIVIC CENTER AND ONLY 20 MINUTES FROM PASADENA'S CITY HALL. MAIN PUBLIC ENTRANCE WILL BE AT 301 N. BALDWIN AVE., ARCADIA, CALIFORNIA. THOUGH NOT YET OPEN TO THE PUBLIC, ARRANGEMENTS FOR CONDUCTING SPONSORED GROUP TOURS THROUGH THE GROUNDS MAY BE MADE BY CALLING DOUGLAS 7-3444.

SITE

THE SITE INCLUDES A FIVE-ACRE LAGOON, SURROUNDED BY FLAT AND SLIGHTLY ROLLING LAND, INCLUDING SOME SEMI-MARSH TERRAIN, AND A LARGE KNOLL, WHICH RISES APPROXIMATELY FIFTY FEET ABOVE THE SURROUNDING AREA. THE TOTAL PROPERTY NOW COMPRISES ABOUT 127 ACRES. THE ORIGINAL 111 ACRES WERE PURCHASED JOINTLY BY THE COUNTY OF LOS ANGELES AND THE STATE OF CALIFORNIA. SUBSEQUENT PARCELS FOR PARKING AND MAIN ENTRANCE WERE PURCHASED BY THE COUNTY OF LOS ANGELES.



The Lagoon

HISTORY

INDIANS FREELY ROAMED THE SITE OF OUR ARBORETUM UNTIL THE ESTABLISHMENT OF MISSION SAN GABRIEL IN 1771. THEREAFTER, IT BECAME KNOWN AS SANTA ANITA, A MISSION RANCHO, AND REMAINED CHURCH PROPERTY UNTIL GIVEN BY THE PADRES TO AN INDIAN WOMAN OF THE CONIKRANIT CLAN, IN APPRECIATION OF HER HOUSEKEEPING SERVICES AT THE MISSION. SHORTLY AFTERWARD SHE MARRIED HUGO REID, A SCOT ENGAGED IN COASTAL TRADE. ON APRIL 15, 1841, GOVERNOR ALVARADO GRANTED PROVISIONAL TITLE TO THIS "SCOTCH PAISANO", AND FROM AN ADOBE HOME ON THE BEAUTIFUL RANCHO SANTA ANITA THE REIDS DISPENSED PRODIGIOUS HOSPITALITY AND WONDERFUL MEALS--ALL PRODUCE OF THE PLACE. DON HUGO ATTENDED FINE AS A WRITER, A FEARLESS OPPONENT OF HIS WIFE'S PEOPLE, AND A FRAMER OF CALIFORNIA'S FIRST CONSTITUTION.



REID ADOBE

REID SOLD THE RANCHO TO HIS FRIEND, HENRY DAWTON, AN ENGLISHMAN WHO SETTLED IN CALIFORNIA AFTER YEARS OF BUSINESS LIFE IN LIMA, PERU. DAWTON PLANTED MANY ACRES TO VINEYARDS AND ORIGINATED THE STILL POPULAR METHOD OF PACKING GRAPES IN SAWDUST. THE NEXT OWNER WAS WILLIAM WOLFSKILL, WHO STARTED THE FIRST COMMERCIAL ORANGE GROVINGS IN CALIFORNIA. AMONG LATER OWNERS WAS HARRIS NEWMARK, A PIONEER MERCHANT WELL KNOWN FOR HIS REMINISCENCES OF THAT EARLY LIFE. IN 1875 THE FABLED "LUCKY" BALWIN, AFTER SUCCESS IN MINING, ACQUIRED THE PROPERTY AND DEVELOPED HIS OWN HOMESITE INTO AN EXOTIC PARK SURROUNDING THE LAKE. HE LIVED IN THE OLD REID ADOBE AND BUILT THE FANCIFUL "QUEEN ANNE COTTAGE", FOR ENTERTAINING; ALSO THE CARRIAGE HOUSE. THESE EARLY OWNERS OF SANTA ANITA HAVE LEFT US A PRECIOUS LEGACY IN BUILDINGS, IN TREES, AND IN A NOSTALGIC ATMOSPHERE WHICH NEED NEVER BE LOST. AN ACTIVE HISTORICAL COMMITTEE IS AUTHENTHICALLY RESTORING THE THREE OLD BUILDINGS AND ADJACENT GARDENS, AS A PORTION OF THE MASTER PLAN.

LOS ANGELES COUNTY ARBORETUM

291 No. Old Ranch Road, Arcadia, California



HISTORICAL PRESERVE

RESTORATIONS WITHIN THE GROUNDS OF LOS ANGELES STATE AND COUNTY ARBORETUM; CARRIED ON THROUGH PRIVATE FINANCING BY THE HISTORICAL COMMITTEE OF CALIFORNIA ARBORETUM FOUNDATION, INC. CONTRIBUTIONS AND DONATIONS ARE EXEMPT FROM FEDERAL INCOME TAX LAWS, MADE PAYABLE TO HISTORICAL FUND OF THE CALIFORNIA ARBORETUM FOUNDATION, INC.

1. "QUEEN ANNE COTTAGE" ("LUCKY" BALDWIN) - BUILT 1879-1880. RESTORATION COMPLETED JUNE 1953, BY HISTORICAL COMMITTEE OF THE CALIFORNIA ARBORETUM FOUNDATION, INC.
2. COACH BARN ("LUCKY" BALDWIN) - BUILT 1879. TO BE RESTORED.
3. HUGO REID ADOBE - BUILT 1839. TO BE RESTORED.

CALIFORNIA ARBORETUM FOUNDATION, INC.

CALIFORNIA ARBORETUM FOUNDATION, INC.
291 NORTH OLD RANCH ROAD - P.O. BOX 688
ARCADIA, CALIFORNIA - DOUGLAS 7-3444

A NON-PROFIT CORPORATION INCORPORATED UNDER THE LAWS OF CALIFORNIA, FEBRUARY 20, 1948. FROM ITS INCEPTION UNTIL JUNE 30, 1953 THE FOUNDATION, UNDER AGREEMENT WITH THE LOS ANGELES COUNTY BOARD OF SUPERVISORS, WAS CHARGED WITH THE RESPONSIBILITY OF OPERATING AND DEVELOPING THE ARBORETUM.

SINCE JULY 1, 1953, THE COUNTY DEPARTMENT OF ARBORETA AND BOTANIC GARDENS HAS BEEN CREATED FOR THE PURPOSE OF OPERATING, MAINTAINING AND DEVELOPING THE ARBORETUM. CALIFORNIA ARBORETUM FOUNDATION, INC., AS OF JULY 1, 1953, HAS THE FUNCTION OF CONDUCTING SPECIAL HISTORICAL, HORTICULTURAL, RESEARCH AND EDUCATIONAL PROJECTS AT THE LOS ANGELES STATE AND COUNTY ARBORETUM FOR THE BENEFIT OF THE PUBLIC.

THE FOUNDATION IS ORGANIZED TO MAKE AVAILABLE MEMBERSHIPS OF VARYING CLASSIFICATIONS TO INDIVIDUALS, GARDEN CLUBS, PLANT SOCIETIES, OTHER SPONSORED GROUPS AND COMPANIES INTERESTED IN THE ARBORETUM'S ACTIVITIES. THE FOUNDATION PUBLISHES JOINTLY WITH THE SOUTHERN CALIFORNIA HORTICULTURAL INSTITUTE A QUARTERLY JOURNAL, "LASCA LEAVES", DEVOTED TO HORTICULTURAL SUBJECTS OF INTEREST TO SOUTHERN CALIFORNIA, WHICH IS SENT TO ALL MEMBERS. ANNUAL PLANT AND SEED DISTRIBUTIONS ARE MADE TO ALL MEMBERS EXCEPT ANNUAL ASSOCIATE MEMBERS.

THE ARBORETUM FOUNDATION RECEIVES CONTRIBUTIONS, GRANTS, BEQUESTS, AND DONATIONS TOWARDS ITS SPECIAL PROJECTS. ALL CONTRIBUTIONS DEDUCTIBLE UNDER FEDERAL INCOME TAX LAWS.

LUX ARBORETUM ANNEX

OWNED AND OPERATED BY CALIFORNIA ARBORETUM FOUNDATION, INC. 154 ACRES IN CITY OF MONROVIA. DONATED TO CALIFORNIA ARBORETUM FOUNDATION, INC., NOVEMBER 1951 BY DR. GEORGE P. LUX, CLOVER CREST, MONROVIA. OPERATED BY CALIFORNIA ARBORETUM FOUNDATION, INC., AS A FROST-FREE FOOTHILL AREA ANNEX TO SUPPLEMENT THE PLANT COLLECTIONS OF THE LOS ANGELES STATE AND COUNTY ARBORETUM AND WHERE COMPARATIVE COLD TOLERANCE STUDIES OF NEW EXOTIC PLANTS FOR SOUTHERN CALIFORNIA MAY BE MADE.

LOS ANGELES COUNTY

DEPARTMENT OF ARBORETA AND BOTANIC GARDENS

1ST ANNUAL REPORT -- 1953-54

THE LOS ANGELES COUNTY DEPARTMENT OF ARBORETA AND BOTANIC GARDENS WAS CREATED THROUGH COUNTY ORDINANCE NO. 6219 AND BECAME EFFECTIVE JULY 1, 1953:

Ordinance No. 6219

An ordinance amending Ordinance No. 1927, known as the Administrative Code of the County of Los Angeles.

The Board of Supervisors of the County of Los Angeles do ordain as follows:

Section 1. Article IV-A of Ordinance No. 497, entitled Administrative Code of the County of Los Angeles, adopted May 18, 1942, is hereby renumbered to be Article IV-B.

Section 2. A new Article IV-A is hereby added to said Ordinance No. 497, to read as follows:

"ARTICLE IV-A,
ARBORETA AND BOTANIC
GARDENS DEPARTMENT
Section 99.03. That there be and there is hereby created a department of the County of Los Angeles, which department shall be known and designated as the DEPARTMENT OF ARBORETA AND BOTANIC GARDENS.

"The functions of said department shall consist of and include administrative charge, maintenance, and control of the Los Angeles State and County Arboretum consisting of all property described in the agreement between the State Park Commission of the State of California and the County of Los Angeles dated December 24, 1947, and other property acquired by said County subsequent to said date for arboretum or botanic garden purposes.

"Section 99.04. Subject to the supervision of the Board of Supervisors of the County of Los Angeles, the Department of Arboreta and Botanic Gardens shall be under the management and control of a board of governors, which board is hereby created.

"Said Board of Governors shall consist of fifteen (15) members, who shall be appointed by said Board of Supervisors, subject to the right of said Board of Supervisors to remove any member at its pleasure. Each such member shall serve for a term of three (3) years. The members of the Board of Governors, at their first meeting after this amending ordinance becomes effective, shall so classify themselves by lot as to serve terms of one (1), two (2), and three (3) years, so that the term of one-third (1/3) of said Board of Governors shall terminate each year.

"Said Board of Governors shall annually, or at such other times as may be convenient and by majority vote, elect from the members thereof a president of said Board.

"The members of said Board of Governors shall serve without compensation, except that when required to travel in the performance of their duties they shall be reimbursed for their necessary traveling expenses, including transportation, meals and lodging.

"Section 99.05. There is hereby created in said Board of Governors an executive committee, consisting of three (3) members, to be appointed by the president of said Board from the members thereof and approved by said Board.

"Said Executive Committee shall meet at such times between meetings of said Board as shall be necessary or expedient, and shall have the power and duty to handle, during such times and consistent with the policies of said Board, general or specific matters involving the administration of the department, and, to that end, shall have power to act.

"Said Executive Committee shall keep a minute record of all of its proceedings and all actions taken by it, and shall file with said Board at each regular meeting a copy of such minutes involving all matters acted upon since its preceding report.

Section 99.06. The Board of Governors, subject to confirmation by the Board of Supervisors of the County, pursuant to the civil service provisions of the County Charter, may appoint a director of Arboreta and Botanic Gardens, which office is hereby created.

"Subject to the general supervision of said Board of Governors, the administration and operation of said Department shall be under the direction and management of said Director. Said Director shall, subject to confirmation of said Board of Governors, appoint all subordinate employees of said Department. Said Director shall be responsible for and have charge of all administrative, financial, and personnel matters of said Department, subject only to the general supervision of said Board of Governors.

Section 4. This ordinance shall be operative July 1, 1953.

Section 5. This ordinance shall be published in Independent Review-Greater Los Angeles-Journal of Commerce, a newspaper printed and published in the County of Los Angeles.

JOHN ANSON FORD,
Chairman, Board of Supervisors of
the County of Los Angeles.

Attest:
HAROLD J. OSTLY, County Clerk.

By Ray E. Lee, Deputy.
I hereby certify that at its meeting of May 26, 1953, the foregoing ordinance was adopted by the Board of Supervisors of said County of Los Angeles in the following vote, to wit:
Ayes: Supervisors Herbert C. Legg, Burton W. Chace, Roger W. Jessup, and John Anson Ford.

Noes: Supervisor Kenneth Hahn.
(Seal)

HAROLD J. OSTLY, County Clerk,
By Ray E. Lee, Deputy
Effective date June 26, 1953.
Operative date July 1, 1953.
(19605) June 5

THE FOLLOWING AMENDMENT TO THE PRECEDING ORDINANCE BECAME EFFECTIVE
OCTOBER 9, 1953:

ORDINANCE NO. 6289

An ordinance amending Ordinance No. 4099, the Administrative Code, relating to the Arboreta and Botanic Gardens Department.

The Board of Supervisors of the County of Los Angeles do ordain as follows:

Section 1. Section 99.04 of Ordinance No. 4099, entitled "The Administrative Code of the County of Los Angeles," adopted May 19, 1942, is amended to read:

Section 99.04. DEPARTMENT CREATED.

Subject to the supervision of the Board of Supervisors of the County, the Department of Arboreta and Botanic Gardens shall be under the management and control of a Board of Governors, which Board is hereby created.

Section 2. Section 99.05 of said Ordinance No. 4099 is hereby renumbered to be Section 99.08 and, as so renumbered, is amended by amending the first paragraph thereof to read:

Section 99.08. EXECUTIVE COMMITTEE.

There is hereby created in said Board of Governors an Executive Committee, consisting of five (5) members, to be appointed by the President of said Board of Governors from the members thereof and approved by the said Board of Governors.

Section 3. Section 99.06 of said Ordinance No. 4099 is renumbered to be Section 99.09.

Section 4. Sections 99.05, 99.06, and 99.07 are added to said Ordinance No. 4099 to read:

Section 99.05. NUMBER OF MEMBERS.

The said Board of Governors shall consist of twenty-five (25) members who shall be appointed by the Board of Supervisors. At its meeting on July 21, 1953, the fifteen members which then constituted the Board of Governors, pursuant to the second paragraph of Section 99.04 as it then existed, classified themselves so that the terms of five members expired July 1, 1954, the terms of five members expired July 1, 1955, and the terms of five members expired July 1, 1956. At the first meeting of the Board of Governors after the appointment of the additional ten members, the said additional ten members shall so classify themselves that the terms of three members shall expire on July 1, 1954, the terms of three members shall expire on July 1, 1955, and the terms of four members shall expire on July 1, 1956. Thereafter each member shall serve for a term of three years. The Board of Supervisors, at its pleasure, may remove any member of the Board of Governors.

Section 99.06. PRESIDENT OF BOARD.

The said Board of Governors annually, or at such times as may be convenient and by majority vote, shall elect from the members thereof a President of the said Board of Governors.

Section 99.07. TRAVELING EXPENSES.

The members of said Board of Governors shall serve without compensation, except that when required to travel in the performance of their duties they shall be reimbursed for their necessary traveling expenses, including transportation, meals, and lodging.

Section 5. This ordinance shall be published in METROPOLITAN NEWS, a newspaper printed and published in the County of Los Angeles.

John Anson Ford, Chairman.

Attest:

HAROLD J. OSTLY,
County Clerk.

By Ray E. Lee, Deputy.

I hereby certify that at its meeting of September 8, 1953, the foregoing ordinance was adopted by the Board of Supervisors of said County of Los Angeles by the following vote, to-wit:

Ayes: Supervisors
Herbert C. Legg,
Kenneth Hahn,
Roger W. Jessup, and
John Anson Ford.

Noes: None.

HAROLD J. OSTLY,
County Clerk.

By Ray E. Lee, Deputy.

(SEAL)

Effective date October 9, 1953.

66184

-200-

Sept 18 1953

CONSTRUCTION

CAPITAL IMPROVEMENTS ON THE ARBORETUM GROUNDS HAVE CONTINUED SATISFACTORILY DURING FISCAL YEAR 1953-54. THIS WORK HAS BEEN HANDLED ON CONTRACT BY THE COUNTY ENGINEERING DEPARTMENT AND REPRESENTS CONTRACTS LET DURING THE CURRENT FISCAL YEAR:

1. SOME 200 TREES RECEIVED MAJOR WORK OF TRIMMING, INCLUDING A MINOR PERCENTAGE OF OLD DISEASED EUCALYPTUS WHICH HAD TO BE REMOVED.
2. FORECOURT AND MAIN ENTRANCE WAS GRADED AND PAVED TO INCLUDE SPACE FOR PARKING AN ADDITIONAL 140 CARS.
3. THE MAIN ENTRANCE PUBLIC RESTROOMS ARE STARTED AND WILL BE COMPLETED IN DECEMBER, 1954. THIS WILL ALLOW THE ARBORETUM TO START OPENING TO THE PUBLIC ON SUNDAYS ABOUT JANUARY 9, 1955.
4. A GROWING GREENHOUSE 34' X 102' HAS BEEN CONSTRUCTED AND UNDERWAY IS THE:
5. HEAD HOUSE CONSISTING OF OFFICE, POTTING, STORAGE AND TOILET, AS WELL AS HEATING EQUIPMENT AND AUTOMATIC CONTROLS FOR THE GREEN HOUSE.
6. THE FIRST WING OF THE SERVICE BUILDING IS UNDER CONSTRUCTION, CONSISTING OF FACILITIES FOR EQUIPMENT STORAGE, TOOL ROOM AND ELECTRICAL VAULT. UNDERGROUND ELECTRICAL LINES ARE GOING IN FROM THE SERVICE UNIT TO THE NEW BUILDINGS.
7. ADDITIONAL SPRINKLER SYSTEM WAS INSTALLED IN THE FORECOURT, IN THE ESPLANADE, IN THE VICINITY OF THE MAIN ENTRANCE AND ALONG THE WEST FENCE OF THE NORTH ACRES.

LAND ACQUISITION

THE FINAL ACQUISITION OF LAND FOR THE ARBORETUM WAS COMPLETED THIS YEAR WITH THE PURCHASE OF TWO SMALL PARCELS OF LAND LOCATED BETWEEN THE SOUTH BOUNDARY OF THE ARBORETUM AND HUGO REID DRIVE, ALONG THE WEST SIDE OF BALDWIN AVENUE. THIS AREA OF APPROXIMATELY 3.5 ACRES WAS PROCURED AS FUTURE PARKING FOR THE ARBORETUM'S NEEDS.

HORTICULTURAL PROGRAM

A - ACCESSIONS

2,168 ACCESSIONS OF SEED AND PLANT MATERIALS WERE RECEIVED DURING THE FISCAL YEAR FROM 133 DIFFERENT SOURCES, BOTH FOREIGN AND DOMESTIC.

HORTICULTURAL PROGRAM (CONTINUED)

A - ACCESSIONS

A TOTAL OF 10,560 ACCESSIONS HAVE BEEN HANDLED SINCE THE ARBORETUM'S INCEPTION IN 1948.

B - PLANT RECORDS

A SYSTEM OF KEEPING PLANT RECORDS HAS BEEN DEvised WHICH HAS PROVEN SUCCESSFUL IN MAINTAINING AND SUPPLYING VALUABLE DATA. DURING THE YEAR THIS SYSTEM HAS BEEN IMPROVED UPON AND ADDITIONAL INFORMATION OF VALUE IS NOW AVAILABLE.

AN ACCURATE RECORD IS AVAILABLE OF SEED AND HISTORY OF ALL THE PLANTS, WHICH WILL INCREASE IN VALUE IN THE FORTHCOMING YEARS. THE FOLLOWING INFORMATION IS RECORDED:

1. ACCESSION NUMBER, YEAR, SEED, CUTTING, PLANT, BULB OR DIVISION.
2. DATE RECEIVED.
3. SOURCE AND FROM WHOM OBTAINED.
4. BOTANICAL NAME.
5. COMMON NAME.
6. FAMILY.
7. NATIVE HABITAT.
8. TREE, SHRUB, PERENNIAL, ANNUAL.
9. AVERAGE HEIGHT.
10. COLOR OF FLOWERS.
11. DATE SEED PLANTED.
12. PLANTING MEDIUM USED.
13. SEED TREATMENT.
14. QUANTITIES POTTED OR CANNED.
15. FIELD LOCATION, PERMANENT PLANTING.
16. HABIT OF GROWTH.

HORTICULTURAL PROGRAM (CONTINUED)

B - PLANT RECORDS

17. BLOOMING PERIOD.

18. OTHER HORTICULTURAL AND CLIMATIC INFORMATION AS; DROUGHT RESISTANCE, FROST TOLERANCE, ETC.

C - PROPAGATION, SEED AND PLANT CONTROL

	<u>1ST</u> <u>QUARTER</u>	<u>2ND</u> <u>QUARTER</u>	<u>3RD</u> <u>QUARTER</u>	<u>4TH</u> <u>QUARTER</u>	<u>TOTALS</u>
ACCESSIONS	174	856	549	589	2,168
SEED PLANTED	602	271	630	284	1,787
CUTTINGS INSERTED	1,496	1,944	1,475	595	5,510
INTO 1 GALLON CANS	1,969	1,327	1,534	2,277	7,107
INTO 5 GALLON CANS	557	14	75	258	904
PERMANENT FIELD PLANTING	862	1,617	4,654	2,162	9,295
EXPERIMENT & TEST PLANTING	518	291	124	66	999

D - NOMENCLATURE

BOTANICAL NOMENCLATURE OF SEED AND PLANT MATERIAL ACCESSIONED DURING THE YEAR HAS BEEN CHECKED THROUGH VARIOUS BOTANICAL AUTHORITIES AND IN MATERIAL IN THE PLANT RECORDS OFFICE AND ARBORETUM LIBRARY IN SO FAR AS TIME HAS PERMITTED. THIS WORK IS CARRIED ON IN SO FAR AS LIMITED TIME AND PERSONNEL PERMITS AND HAS REACHED THE STAGE WHERE TRAINED TAXONOMIC ASSISTANCE HAS BECOME URGENT IN ORDER TO KEEP OUR COLLECTIONS ACCURATELY IDENTIFIED.

E - LABELS

ALL PLANT MATERIALS ARE CLEARLY LABELED AT TIME OF PLANTING AND CARRY A METAL PLANT IDENTIFICATION LABEL INTO THE FIELD. THESE LABELS CARRY THE ACCESSION NUMBER, BOTANICAL NAME, PLANT FAMILY AND NATIVE HABITAT.

WHEN A PLANT REACHES A STAGE OF MATURITY A PERMANENT ENGRAVED PLASTIC LABEL IS PLACED WITH THE PLANT SHOWING AT LEAST COMMON NAME, BOTANICAL NAME AND NATIVE HABITAT.

F - MAPPING

IT IS OUR HOPE THAT A PERMANENT TWO-HUNDRED FOOT GRID SYSTEM WILL BE

HORTICULTURAL PROGRAM (CONTINUED)

F - MAPPING

INSTALLED ON THE ARBORETUM GROUNDS TO FACILITATE MAPPING AND ACCURATE LOCATION OF EACH PLANT IN THE FIELD. UNTIL THAT GRID INSTALLATION IS AUTHORIZED, AN EFFORT HAS BEEN MADE, WHEN TIME PERMITTED, TO DRAW MAPS OF AREAS WHERE PLANTS HAVE BEEN GROUPED IN LARGE QUANTITIES. THIS HAS BEEN DONE WHEN PLANTS ARE OF THE SAME GENUS, FAMILY OR LIKE HABIT.

G - OUTSTANDING COLLECTIONS

WE ARE INDEBTED TO DR. SAMUEL AYRES, JR., PRESIDENT OF OUR BOARD OF GOVERNORS, FOR THE SEEDS OF MANY AUSTRALIAN, SOUTH AFRICAN AND SOUTH AMERICAN PLANTS AS A RESULT OF HIS COLLECTING TRIPS TO THESE AREAS.

AT PRESENT THE ARBORETUM HAS GATHERED AN OUTSTANDING COLLECTION OF THE FOLLOWING LISTED PLANTS AND PLANT MATERIAL, MANY OF THEM NOW IN A PERMANENT LOCATION IN THE FIELD:

<u>GENUS OR FAMILY</u>	<u>SPECIES OR VARIETIES</u>		
	<u>NAMED</u>	<u>UNIDENTIFIED</u>	<u>TOTAL</u>
<u>ACACIA</u>	113	12	125
<u>BAMBOO</u>	66	8	74
<u>CALLISTEMON</u>	16	3	19
<u>CISTUS</u>	21	--	21
<u>ERYTHRINA</u>	25	12	37
<u>EUCALYPTUS</u>	199	22	221
<u>FICUS</u>	24	4	28
<u>PALMACEAE</u>	49	2	51
<u>PINUS</u>	26	--	26
<u>PROTEACEAE</u>	92	8	100
<u>MAGNOLIA</u>	32	--	32
<u>MELALEUCA</u>	36	3	39
<u>HEMEROCALLIS</u>	281	7	288

HORTICULTURAL PROGRAM (CONTINUED)

H - EXPERIMENTAL AND TEST GARDEN RECORDS:

PLANT RECORDS SECTION HAS KEPT A RECORD OF INFORMATION SUPPLIED BY THOSE CARRYING ON EXPERIMENTS OR TESTS AS IT PERTAINS TO CERTAIN SPECIAL PLANT GROWTH SUCH AS; PROPAGATION, FIELD NURSERY GARDENS AND CHOSEN PLANTS IN THE FIELD NOTING EFFECT OF RESISTANCE TO DROUGHT, WATER, FROST, INSECTS, ETC.

I - CONDITION AND SURVIVAL REPORTS

REPORTS HAVE BEEN MADE AND FORWARDED, AS REQUESTED, TO THOSE FURNISHING THE ARBORETUM WITH PLANTING MATERIAL. THESE REPORTS HAVE APPLIED CHIEFLY TO MATERIAL RECEIVED FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE, PLANT INTRODUCTION SECTION AND PLANT INTRODUCTION GARDENS, FROM WHICH WE HAVE RECEIVED CONSIDERABLE MATERIAL. WE HAVE ALSO FORWARDED INFORMATION OF THIS NATURE TO OTHER INSTITUTIONS, BOTH FOREIGN AND DOMESTIC, AS REQUESTED.

J - SEED AND PLANT EXCHANGE

DURING THE YEAR SEED AND SURPLUS PLANTS WERE DISTRIBUTED TO VARIOUS BOTANIC GARDENS, ARBOREA, UNIVERSITIES, AND GOVERNMENT INSTITUTIONS ON AN EXCHANGE BASIS.

THE FOLLOWING QUANTITIES WERE DISTRIBUTED:

	<u>SEED</u>	<u>PLANTS</u>
ARBORETUM MEMBERS	565	477
BOTANIC GARDENS, ARBORETA)		
UNIVERSITIES AND)	331	820
GOVERNMENT INSTITUTIONS)	—	—
TOTALS	896	1,297

K - WEATHER

THE PLANT RECORDS SECTION HAS TAKEN A DAILY READING OF TEMPERATURES, RAINFALL AND EVAPORATION. A MONTHLY REPORT IS FORWARDED TO THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT OFFICE FROM THE ARBORETUM WEATHER STATION NO. 1037-1037-E. A COPY REMAINS IN THE ARBORETUM FILES.

IN ADDITION WEATHER INFORMATION IS GIVEN TO THE CITY OF ARCADIA AS REQUESTED. IT ALSO SERVES AS A GUIDE TO THE ARBORETUM IN SEASONAL PLANTING AND THE CARE OF PLANTS.

A HYDRO-THERMOGRAPH HAS BEEN REQUESTED FOR THE COMING YEAR, THAT WE MAY

HORTICULTURAL PROGRAM (CONTINUED)

K - WEATHER

OBTAIN MORE ACCURATE READINGS OF TEMPERATURES AND HUMIDITY.

LASCA WEATHER FOR THE FISCAL YEAR 1953 - 1954

MONTH	TEMPERATURES					RAINFALL	EVAPORATION
	AVERAGE MIN.	MAX.	PEAKS MIN.	MAX.	MEAN	INCHES MONTH	INCHES MONTH
JULY	58.6	97.0	50.0	107.0	77.8	----	6.785
AUGUST	54.5	92.6	49.0	100.0	73.6	----	6.110
SEPTEMBER	54.2	92.1	47.0	108.0	73.1	----	5.110
OCTOBER	43.0	86.7	41.0	109.0	64.8	1.05	4.090
NOVEMBER	45.8	78.6	34.0	93.0	62.2	1.38	2.020
DECEMBER	37.8	73.1	28.0	88.0	55.4	.40	2.050
JANUARY	38.9	66.9	31.0	89.0	52.8	5.97	5.970
FEBRUARY	42.0	79.3	34.0	92.0	60.7	2.33	1.485
MARCH	40.7	69.9	30.0	85.0	55.3	4.04	1.735
APRIL	47.3	74.6	39.0	93.0	61.0	.24	1.910
MAY	51.4	80.3	41.0	92.0	65.0	.01	3.145
JUNE	53.0	82.2	43.0	96.0	67.6	.15	4.140
TOTAL INCHES					-	15.57	44.550

ARBORETUM PLANTING

THIS FISCAL YEAR HAS SHOWN THE PRIMARY DEVELOPMENT OF SOME OF THE MAJOR SECTIONS OF THE ARBORETUM'S MASTER PLANTING PLAN. THE ARBORETUM FOUNDATION HAS CONTRIBUTED THE CONSULTING SERVICES OF LANDSCAPE ARCHITECT EDWARD HUNTSMAN-TROUT TO ASSIST US IN LAYING OUT THE VARIOUS FEATURE SECTIONS TO BE DEVELOPED ON THE ARBORETUM GROUNDS.

1 - BALDWIN AVENUE ESPLANADE:

THIS APPROACH PLANTING LEADING SOUTH OF COLORADO BOULEVARD DOWN TO THE MAIN ENTRANCE FORECOURT WAS INITIATED WITH THE INSTALLATION OF THE SPRINKLER SYSTEM. IT IS DESIGNED TO DISPLAY, IN SOME MASS, VARIOUS PROVEN PLANT MATERIALS FOR THIS AREA WHICH WILL SHOW GOOD COLOR AT VARIOUS TIMES THROUGHOUT THE YEAR.

2 - NORTH PARKING STRIP:

ALONG THE ARBORETUM FENCE ON THE WEST SIDE OF BALDWIN AVENUE BETWEEN COLORADO BOULEVARD AND THE FORECOURT ENTRANCE, A GOOD START HAS BEEN MADE IN DISPLAYING A VARIETY OF COLORFUL AND EFFECTIVE LOW MAINTENANCE PLANTINGS WHICH WILL BE OF INTEREST TO FUTURE VISITORS USING THE PARKING AREA. A FOCAL MASS PLANTING OF ACACIA SPECIES AT THE JUNCTION OF BALDWIN AVENUE WITH COLORADO BOULEVARD HAS MADE AN EXCELLENT SHOWING THIS YEAR.

3 - AUSTRALIAN SECTION:

A GEOGRAPHICAL AREA DEVOTED TO AUSTRALIAN PLANTS HAS RECEIVED SEVERAL MASS PLANTINGS OF EUCALYPTUS SPECIES DESIGNED NOT ONLY TO DISPLAY THE GREAT VARIETY OF SPECIES BUT ALSO AS LANDSCAPE FEATURES FOR BACKGROUND USE. THE MASS PLANTING OF "BOTTLE-BRUSH", CALLISTEMON, MELLALEUCA, AND CALOTHAMNUS IS NOW BEGINNING TO SHOW SOME COLOR VALUE OF THE DIFFERENT SPECIES THROUGHOUT THE YEAR.

4 - SOUTH AFRICAN SECTION:

DEVOTED TO SOUTH AFRICAN PLANTS, THIS SECTION HAS BEEN INITIATED TO A LIMITED EXTENT.

5 - SOUTH AMERICAN SECTION:

MANY PLANTINGS HAVE BEEN MADE IN THIS SECTION AND ARE SHOWING EXCELLENT GROWTH. THIS SECTION WILL TIE INTO THE JUNGLE PLANTING.

6 - JUNGLE:

THE JUNGLE AREA HAS RECEIVED MANY NEW PLANTS IN ORDER TO ADD GENERAL

ARBORETUM PLANTING (CONTINUED)

6 - JUNGLE:

INTEREST AND PARTICULARS WORTH MENTION ARE GIVEN IN THE SECTION OF THE ARBORETUM.

7 - HISTORICAL PRESERVE:

THE LANDSCAPING OF THE NEWLY RESTORED "QUEEN ANNE COTTAGE" IS WELL ON ITS WAY TO COMPLETION. THE OLD PLANTINGS IN THIS PRESERVE ARE GRADUALLY BEING REJUVENATED AND AUGMENTED TO CREATE THE PROPER HISTORICAL SETTING FOR THE OLD BUILDINGS.



The newly restored "Queen Anne Cottage" within the Historical Preserve of the Arboretum.

8 - BAMBOO AND PALM SECTION:

THE BAMBOO SCREEN PLANTING ON THE SOUTHEAST CORNER OF THE ARBORETUM HAS MADE RAPID GROWTH AND IS STARTING TO BE EFFECTIVE FOR ITS PURPOSE.

ARBORETUM PLANTING (CONTINUED)

9 - DECIDUOUS SECTION:

PREDOMINATELY DECIDUOUS PLANTINGS, THIS SECTION IS RAPIDLY FILLING TO CAPACITY.

10 - DOMESTIC LANDSCAPE SECTION:

A BACKGROUND PLANTING INCLUDING MANY EUCALYPTUS AND ACACIAS, HAS MADE RAPID GROWTH THIS YEAR. IT WILL SERVE AS THE BACKGROUND FOR THE WEST ACRES.

11 - FLOWERING SHRUB SECTION:

THE NORTH FACE OF TALLAC KNOLL IS UNDER DEVELOPMENT. THE PLANTINGS WILL FEATURE FLOWERING SHRUBS DESIGNED TO SHOW SPOTS OF COLOR THROUGHOUT MOST OF THE YEAR. THIS SECTION INCLUDES OUR TEST PLANTING OF PROTEACEAE, MANY OF WHICH HAVE PROSPERED THIS YEAR, DESPITE THEIR BEING VERY DIFFICULT SUBJECTS TO GROW.

12 - HERB GARDEN:

THE BASIC GARDEN DESIGN FOR THIS AREA HAS BEEN COMPLETED.

13 - BIBLICAL GARDEN:

BASIC DESIGN FOR THIS EDUCATIONAL GARDEN, TO MAKE USE OF THE PLANTS MENTIONED IN THE BIBLE, HAS BEEN UNDERTAKEN. ALTHOUGH WE ARE STILL IN THE PRELIMINARY PHASES OF GETTING THE MATERIALS TOGETHER, SOME PLANTING HAS BEEN DONE.

14 - PINETUM:

THIS AREA, DEVOTED TO CONIFERS, HAS BEEN INITIATED ON THE NORTHWEST CORNER OF TALLAC KNOLL.

15 - "GARDEN OF EDEN":

THIS GARDEN, ADJOINING THE BIBLICAL GARDEN SECTION, UTILIZES A FORMER CIRCULAR RESERVOIR. IT IS WITHIN THE WARMEST AREA OF THE ARBORETUM AND IS DEVOTED TO THE MORE TENDER, SUBTROPICAL AND MOISTURE LOVING PLANTS.

RESEARCH PROGRAM

A. EXPERIMENTS: EXCLUSIVE OF GRASS AND LAWN PROJECTS.

1. COOPERATION IN TESTING VARIOUS CISTUS (ROCK ROSE) SPECIES FOR THEIR RESISTANCE TO BURNING AND THEIR ABILITY TO RESEED OR STUMP SPROUT

RESEARCH PROGRAM (CONTINUED)

A. EXPERIMENTS: EXCLUSIVE OF GRASS AND LAWN PROJECTS.

FOLLOWING A FIRE. SEE PUBLICATIONS, FOR REFERENCE TO AN ARTICLE REPORTING THIS EXPERIMENT. THE DONATED SERVICES OF MRS. GUSTAV JUHREN IN ASSISTING WITH THE CISTUS EXPERIMENTS WAS GREATLY APPRECIATED.

DAMAGE TO SPECIES FROM FIRE RANGED FROM SLIGHT TO SEVERE, THROUGH THE BURNING OF A THICK STRAW LITTER PLACED AROUND THE BASE OF THE PLANTS. FIRE MOVED SLOWLY THROUGH THE PLANTS. AFTER FIRE, SEED GERMINATED MORE VIGOROUSLY UNDER BURNED BUSHES THAN UNBURNED ONES. STUMP SPROUTING WAS EVIDENT IN MANY SPECIES FOLLOWING THE FIRE.

APPROXIMATELY 4000 SEEDLINGS WERE SUPPLIED TO THE FLOOD CONTROL DIVISION, UNITED STATES FOREST SERVICE, FOR TESTING IN FIRE DENUDED AREAS AND ON NEW EARTH DAM IN LANNON CANYON, ARCADIA.

TWO OTHER PLANTINGS ARE NOW UNDER OBSERVATION BY THE ARBORETUM:

- 1) ALONG A FIRE-BREAK ON EDGE OF CLAMSHELL CANYON, MONROVIA.
- 2) CUT BANK PLANTING NEAR ENTRANCE TO LUX ARBORETUM ANNEX, MONROVIA.

SEED SAMPLES WERE SUPPLIED TO THE COUNTY FORESTER AND FIRE WARDEN DEPARTMENT FOR TRIAL.

2. POTTING SOIL TRIAL WITH FTE (FRITTED TRACE ELEMENTS) AS A SOIL AMENDMENT.

POTTING SOIL TRIAL WITH A PEAT MATERIAL FROM A NATURAL DEPOSIT IN UTAH.

FERTILIZER TRIALS WITH MAGNITE, A COMMERCIAL FERTILIZER AND SOIL CONDITIONER.

COMPARATIVE FERTILIZER TRIAL BETWEEN UTAH PEAT AND STEER MANURE.

- A. THE FIRST TWO TRIALS MADE NO OBSERVABLE DIFFERENCE COMPARED TO UNTREATED (CONTROL) SOILS.
- B. NITROGEN OF MAGNITE, GREENED GRASS, BUT EFFECT WAS OF SHORT DURATION.
- C. STEER MANURE GREENED GRASS, BUT UTAH PEAT FAILED TO PRODUCE ANY OBSERVABLE EFFECT.

3. SOIL STERILIZATION TRIAL USING CALCIUM CYANAMID.

THE TREATED AREA REMAINED WEED FREE FOR ABOUT ONE YEAR.

RESEARCH PROGRAM (CONTINUED)

A. EXPERIMENTS: EXCLUSIVE OF GRASS AND LAWN PROJECTS.

4. WEED ERADICATION USING WEED OILS, 2,4-D AND 2,4,5-T.

MOST WEED SPECIES KILLED AFTER ONE OR TWO TREATMENTS. SOME WEEDS WITH UNDERGROUND RHIZOMES RE-APPEARED AGAIN AND AGAIN, REQUIRING ADDITIONAL TREATMENTS.

5. ALGAE CONTROL IN ARBORETUM LAGOON, USING COPPER SULFATE.

ALGAE KILLED AT TIME OF TREATMENT, BUT TREATMENTS HAD TO BE RE-PEATED THROUGHOUT SUMMER TO SATISFACTORILY CONTROL GROWTH.

B. EXPERIMENTS: LAWNS AND GRASSES.

1. TRIAL METHODS FOR VEGETATIVE PROPAGATION OF ZOYSIA MATRELLA:

1) TINES OF SPADING FORK USED TO MAKE PLANTING HOLES.

2) MATTOCK BLADE USED TO MAKE PLANTING HOLES.

NEITHER METHOD OF MUCH MERIT; TOO SLOW COMPARED TO SCATTERING SPRIGS OF THE GRASS ON SOIL SURFACE, COVERING WITH A MULCH, AND KEEPING WET UNTIL SPRIGS TAKE ROOT.

2. SOIL AERIFICATION USING MOTORAIRE MACHINE.

THIS OPERATION TO LOOSEN COMPACTED SOIL, ALLOWING MORE RAPID AIR AND WATER PENETRATION INTO SOIL.

OPERATION SUCCESSFUL IF GROUND IS MOIST TO A DEPTH OF 3-4 INCHES. HOLES IN SOME AREAS LASTED 6-12 MONTHS.

3. LAWN MAINTENANCE FOR BERMUDA GRASS LAWNS.

AN EFFORT TO PROLONG PERIOD OF WINTER GREENNESS AND ACCELERATE RE-GROWTH IN SPRING.

SEPTEMBER - OCTOBER SCALPING, AERIFICATION, FERTILIZING OF LAWNS SEEMED TO AID GRASS IN REMAINING GREEN FURTHER INTO THE WINTER DORMANT PERIOD. SPRING RE-GROWTH NOT NOTICABLY AFFECTED. SIMILAR MAINTENANCE WILL BE TRIED IN FALL OF 1954.

4. MAINTENANCE AND OBSERVATIONS OF GROWTH AND COLOR OF A COLLECTION OF BLUE GRASS (POA) HYBRIDS DONATED BY MR. G. JUHREN, UNITED STATES FOREST SERVICE.

FLATS OF GRASS GROWN IN GREENHOUSE; LATER TO BE MOVED OUT-OF-DOORS.

RESEARCH PROGRAM (CONTINUED)

B. EXPERIMENTS: LAWNS AND GRASSES.

5. DEVELOPMENT OF A DISPLAY AREA FOR VARIOUS GRASSES.

SMALL PLOTS OF VARIOUS GRASS SPECIES. SOME GRASS OF LAWN TYPES AND OTHERS AS ORNAMENTALS.

6. EXTENSION OF LAWNS BY VEGETATIVE PROPAGATION OF SELECTIONS OF ZOYSIA MATRELLA BASED ON TEXTURE AND WINTER GREENNESS.

SIX COLOR AND TEXTURE SELECTIONS HAVE BEEN MADE, AND OBSERVATIONS HAVE BEEN MADE FOR ONE YEAR. THIS WORK CONTINUES.

7. ESTABLISHMENT OF PLOTS OF MICROLANEA STIPCIDES, A GRASS FROM AUSTRALIA.

THIS GRASS USED AS A LAWN MATERIAL IN AUSTRALIA, BUT NOT IN THE UNITED STATES. ANOTHER ITEM IN THE SEARCH FOR AN ALL YEAR GREEN LAWN GRASS.

8. VEGETATIVE SPRIGGING OF ST. AUGUSTINE GRASS AS A REPLACEMENT LAWN.

THIS MATERIAL GROWS WELL IN SUN AND LIGHT SHADE, FORMING A TOUGH TURF FOR HEAVY TRAFFIC.

9. PLANTING OF A NEW STRAIN OF ZOYSIA MATRELLA, Z-73.

AN INTRODUCTION, AGAIN A SEARCH FOR A SUITABLE ALL YEAR GRASS FOR SOUTHERN CALIFORNIA.

10. COLLECTION OF SEED AND PLANTING OF A BLUE GRASS FOUND GROWING ON THE ARBORETUM GROUNDS. TENTATIVELY NAMED "LUCKY" BALDWIN BLUE GRASS.

A POSSIBLE BLUE GRASS "NATIVE" TO SOUTHERN CALIFORNIA. WILL BE TESTED AT THE ARBORETUM FOR AN INDEFINITE PERIOD TO STUDY YEAR TO YEAR RESPONSE AND TO BUILD UP A SOURCE OF SEED.

11. OVER SEEDING ESTABLISHED BERMUDA LAWNS USING ANNUAL RYE GRASS.

DEVELOPING WINTER-GREEN TURF FOLLOWING SCALPING (ITEM 3). A FAIRLY INEXPENSIVE METHOD. RATE OF SEEDING WILL BE INCREASED IN FALL OF 1954.

12. EXTENSION OF ROAD SHOULDER GRASS STRIPS.

13. COLLECTION OF ANNUAL BLUE GRASS SEED (POA ANNUA).

A COOL SEASON GRASS. SEED NOT COMMERCIALY AVAILABLE. WILL BE USED TO OVERSEED BERMUDA LAWNS FOR WINTER GREENNESS TEST.

RESEARCH PROGRAM (CONTINUED)

B. EXPERIMENTS: LAWNS AND GRASSES.

14. TEST PLANTINGS OF NEW STRAINS OF PERENNIAL RYE AND MEADOW FESCUE GRASSES.

SEED DONATED BY NORTHRUP KING SEED CO. GERMINATION OF SEED AND SUMMER TURF EXCELLENT.

15. THE FOLLOWING GRASS SPECIES ARE UNDER OBSERVATION AND MAINTENANCE. THE VARIOUS PLOTS RANGE IN AGE FROM 2 MONTHS TO 4 YEARS. THE TOTAL AREA OF TEST GRASS PLOTS IS 55,109 SQUARE FEET.

ARBORETUM BLUE GRASS	ZOYSIA JAPONICA
DELTA BLUE	ZOYSIA JAPONICA "MEYER", Z-52
"LUCKY" BALDWIN BLUE	ZOYSIA MATRELLA 445
MERION BLUE	ZOYSIA MATRELLA 1304
	ZOYSIA MATRELLA 1304, 6 SELECTIONS
ALTA FESCUE	ZOYSIA MATRELLA "FLAWN"
COARSE TALL FESCUE	ZOYSIA MATRELLA, Z-73
ILLAHE FESCUE	
MEADOW FESCUE 200 NK	BROWN TOP
MEADOW FESCUE 200- NK	CRESTED DOGSTAIL
	MICROLANEA STIPOIDES
ARLINGTON BENT	ST. AUGUSTINE
HIGHLAND BENT	CENTIPEDE
DAHLGREN BENT	DICHONDRA
	CYPERUS GRACILIS
PERENNIAL RYE	
PERENNIAL RYE 100 NK	MERION BLUE & EVERGLADES BERMUDA #2
PERENNIAL RYE 100-1 NK	MERION BLUE & EVERGLADES BERMUDA #3
PERENNIAL RYE 100-2 NK	MERION BLUE & U-3 BERMUDA
	MERION BLUE & ZOYSIA MATRELLA
U-3 BERMUDA	
BERMUDA, EVERGLADES #1	ZOYSIA JAPONICA & MERION BLUE
BERMUDA, EVERGLADES #2	ZOYSIA JAPONICA & "LUCKY" BALDWIN BLUE
BERMUDA, EVERGLADES #3	
BERMUDA, MAGENNISII	GERMAIN'S "12" BRAND NIX
	NORTHRUP KING FORE LAWN NIX
	NORTHRUP KING GOLF BRAND MIX
	AGGELER & MUSSER BLU-GREEN MIX
	AGGELER & MUSSER VELVIT GREEN MIX

RESEARCH PROGRAM (CONTINUED)

G. SPECIAL PROJECTS:

I. DROUGHT ASSISTANT PLANTS FOR BURNT OVER FOOTHILL PLANTING OF THE WATERSHED.

OF SPECIAL INTEREST TO THE ARBORETUM IS THE QUESTION OF LOCATING DROUGHT RESISTANT PLANTS SUITABLE FOR USE IN REPLANTING BURNED-OVER AREAS OF OUR FOOTHILL WATERSHED, TO SUPPLEMENT THE NATIVE CHAPARRAL VEGETATION.

SEVERAL PREREQUISITES ARE ESSENTIAL IN CONSIDERING ANY EXOTIC PLANT FOR THIS PURPOSE:

- A. DROUGHT RESISTANCE MUST BE CONSIDERED AS PARAMOUNT. ONLY SUCH PLANTS AS CAN BE EASILY ESTABLISHED AND WILL WITHSTAND OUR DRY SUMMERS CAN BE CONSIDERED.
- B. NATURAL RESISTING ABILITY IS A NECESSARY FUNCTION OF SUCH PLANTS TO BE USED IN THE FOOTHILLS.
- C. LOW FLAMMABILITY, PLANTS WHICH WILL NOT BURN ON HIGH FIRE INCIDENCE.

ONE OF THE PLANT GENERA WHICH THE ARBORETUM HAS FOUND TO SHOW PROMISING SPECIES FOR USE IN OUR BURNT OVER FOOTHILL WATERSHED IS CISTUS, OR ROCK ROSE. SOME 20 SPECIES ARE UNDER CONSIDERATION FOR SUCH USE AND WE CONSIDER THAT SOME OF THESE SPECIES WILL PROVE SUITABLE IN ALL THE ABOVE PREREQUISITES. OUR PRELIMINARY TESTS AND THOSE IN COOPERATION WITH THE UNITED STATES FOREST SERVICE INDICATE THAT CISTUS IS DROUGHT RESISTANT. SOME SPECIES ARE NATIVE OF AREAS HAVING AS LITTLE AS $\frac{1}{4}$ INCHES OF RAINFALL PER YEAR.

PRELIMINARY TESTS OF DIRECT BURNING ON FIREWEALS INDICATE GOOD GERMINATION AND SURVIVAL THROUGH THE DRY SEASON. FURTHERMORE, THEY ARE PHYLIC SKINNED AND HAVE VERY SMALL SEEDS. CERTAIN SPECIES ARE VERY DIFFICULT TO SET ON FIRE AND SEEM TO CURL UP AND CHAR RATHER THAN TO BURST INTO FLAME WHEN SUBJECTED TO ARTIFICIAL BURNING OF LITTER UNDER THE PLANTS.

IN ADDITION TO THE ABOVE CHARACTERISTICS, CISTUS PRODUCES ATTRACTIVE FLOWERS IN THE SPRING AND THE PLANTS COULD HELP TO BEAUTIFY OUR FOOTHILLS.

RESEARCH PROGRAM (CONTINUED)

C. SPECIAL PROJECTS (CONTINUED)



Experimental burning of Cistus to determine most fire resistant species

IN ADDITION TO CISTUS, OTHER PLANTS ALSO SHOW ADAPTABILITY TO USE ON THE FOOTHILLS AS INDICATED IN THE LUX ARBORETUM ANNEX IN THE MONROVIA FOOT-HILLS. THESE PLANTS ARE:

SPARTIUM JUNCIIUM

NERIUM OLEANDER

COLUTEA SP.

ATRIPLEX SPP.

PSORALEA BITUMINOSA

RESEARCH PROGRAM (CONTINUED)

C. SPECIAL PROJECTS (CONTINUED)

2. DEW RECORDING STATION

SECOND YEAR OF SUPERVISION OF THE DEW RECORDING STATION. THIS INCLUDES MAINTENANCE OF STATION PROPER, SUPPLYING THE GAUGES, AND COMPUTATION OF THE DATA FROM THE DEW RECORDINGS. THIS STATION WAS THE FIRST OF ITS KIND IN THE UNITED STATES AND HAS SERVED AS THE CENTRAL STATION FOR TWO OTHER STATIONS IN THE SOUTHERN CALIFORNIA AREA.

THE DATA FROM THIS STATION WILL BE INCORPORATED WITH SIMILAR STUDIES BEING MADE IN IRAK, BY S. DAVIDYAN, THE INVENTOR AND DEVELOPER OF DEW RECORDING RESEARCH.



Dew gauges in position for recording the amount of dew precipitation at varying elevations above ground level

CONDUCTED TOURS

THE ARBORETUM HAS MADE AVAILABLE CONDUCTED TOURS TO SPONSORED CIVIC AND YOUTH ORGANIZATIONS IN SO FAR AS TIME AND LIMITED PERSONNEL WAS AVAILABLE. THE RESPONSE TO THESE CONDUCTED TOURS HAS BEEN EXCELLENT AND WE HAVE RECEIVED 94 LETTERS OF APPRECIATION AND APPROVAL FROM AMONG NEARLY 5000 VISITORS SEEING THE ARBORETUM ON CONDUCTED TOURS DURING THE PAST FISCAL YEAR.

1953

T O U R S

<u>JULY</u>	<u>NAME</u>	<u>TOWN</u>	<u>NO. OF PEOPLE</u>
3	CAL. TECH. CAMERA CLUB	PASADENA	12
12	CACTUS & SUCCULENT CONVENTION	U.S. NATIONAL	60
14	SANTA ANITA Y.M.C.A.	ARCADIA	30
14	CITY OF HOPE	DUARTE	25
15	GIRL SCOUTS	PASADENA	10
20	SANTA ANITA Y.M.C.A.	ARCADIA	40
21	CUB SCOUTS	ARCADIA	10
22	LAS CHICAS	ARCADIA	20
22	SUMMER RECREATION GROUP	MONROVIA	80
24	ADULT HISTORY CLASS	ARCADIA	20
24	SUMMER RECREATION GROUP	MONROVIA	80
27	SUMMER RECREATION GROUP	MONROVIA	60
28	SUMMER RECREATION GROUP	MONROVIA	60
29	ADULT GROUP	SAN DIEGO	25
<u>AUGUST</u>			
3	Y.M.C.A.	MONROVIA	40
6	BOYS GROUP	SIERRA MADRE	45
20	ADULT GROUP	PASADENA	10
30	L. A. COUNTY MEDICAL GARDEN CLUB	LOS ANGELES COUNTY	75
<u>SEPTEMBER</u>			
10	NEW SCHOOL TEACHERS	ARCADIA	65
10	GIRL SCOUTS	SAN GABRIEL	12
19	RANCHO GARDEN GROUP	ARCADIA	50
23	NATIVE DAUGHTERS OF GOLDEN WEST	LONG BEACH	100
24	NATIVE DAUGHTERS OF GOLDEN WEST	PASADENA	40
26	L. A. COUNTY CIVIL SERVICE	LOS ANGELES COUNTY	50

CONDUCTED TOURS (CONTINUED)

<u>OCT.</u>	<u>NAME</u>	<u>TOWN</u>	<u>NO. OF PEOPLE</u>
7	CAMERA CLUB	ARCADIA	25
8	GIRL SCOUTS	MONROVIA	20
9	HIGH SCHOOL HOME MAKING CLASS	ARCADIA	45
13	SO. CALIF. TURF CONFERENCE	SO. CALIFORNIA	60
14	CUB SCOUTS	PASADENA	10
15	ONEONTA CONG. CHURCH GARDEN CLUB	PASADENA	19
16	CAMP FIRE GIRLS	ARCADIA	15
19	CUB SCOUTS	PASADENA	10
20	TEMPLE BETH DAVID	SAN GABRIEL	25
21	CAMP FIRE GIRLS	SAN GABRIEL	15
26	CHILDRENS GROUP	SAN GABRIEL	15
27	WOMEN'S CLUB	SOUTH GATE	40
30	GIRL SCOUTS	MONROVIA	12
 <u>NOVEMBER</u>			
2	P. E. O.	PASADENA	30
3	CAMP FIRE GIRLS	PASADENA	14
4	WELCOME WAGON GROUP	WHITTIER	20
4	DIGGERS GARDEN CLUB	SAN GABRIEL	20
6	CUB SCOUTS	MONROVIA	10
6	CAL. POLY STUDENTS	SAN DIMAS	30
9	BROWNIES	SAN GABRIEL	14
10	GIRL SCOUTS	LOS ANGELES	25
10	GIRL SCOUTS	PASADENA	14
12	BROWNIES	ALHAMBRA	20
12	MT. SAN ANTONIO COLLEGE	POMONA	30
13	BROWNIES	MONROVIA	15
16	GIRL SCOUTS	ARCADIA	15
17	SCHOOL	BALDWIN PARK	30
13	EBKL CLUB	POMONA	19
13	BROWNIES	MONROVIA	11
20	PIERCE COLLEGE	VAN NUYS	7
23	CUB SCOUTS	MONROVIA	9
24	GIRL SCOUTS	PASADENA	16
27	GIRL SCOUTS	PASADENA	10
27	GIRL SCOUTS	PASADENA	12
27	GIRL SCOUTS	ARCADIA	27
30	RIO HONDO SCHOOL - 3RD GRADE	EL MONTE	25
30	CAMP FIRE GIRLS	ALHAMBRA	13

CONDUCTED TOURS (CONTINUED)

<u>DEC.</u>	<u>NAME</u>	<u>TOWN</u>	<u>NO. OF PEOPLE</u>
9	BROWNIES	SIERRA MADRE	18
11	PAINTING CLASS		12
11	CUB SCOUTS	ARCADIA	10
14	BROWNIES	ARCADIA	14
28	ARBORETUM NEIGHBORS	ARCADIA	10
29	CUB SCOUTS	ALHAMBRA	10
30	CUB SCOUTS	ARCADIA	17

1954JANUARY

7	GIRL SCOUTS	MONROVIA	20
13	CALIF. FEDERATION WOMENS CLUB	ARCADIA	200
14	AUDUBON SOCIETY BIRD WALK	PASADENA	35
21	AUDUBON SOCIETY BIRD WALK	LOS ANGELES	25
22	CUB SCOUTS	ALHAMBRA	16
25	CUB SCOUTS	ALHAMBRA	10
26	GIRL SCOUTS	ARCADIA	18
27	ANDRES-QUARTE SCHOOL	MONROVIA	35
28	GIRL SCOUTS	MONROVIA	17
28	CUB SCOUTS	ROSEMAD	10

FEBRUARY

3	ALMAR GRAMMAR SCHOOL	BELL GARDENS	70
4	PRIVATE GROUP OF ADULTS	PASADENA	10
5	CUB SCOUTS	PASADENA	12
8	CUB SCOUTS	ALHAMBRA	10
10	CUB SCOUTS	PASADENA	95
15	CUB SCOUTS	ARCADIA	21
16	GIRL SCOUTS	AZUSA	19
16	GIRL SCOUTS	PASADENA	19
17	CUB SCOUTS	PASADENA	44
18	CAMP FIRE GIRLS	PASADENA	10
18	GIRL SCOUTS & ADULTS	MONROVIA	18
19	CAMPFIRE GIRLS	SIERRA MADRE	14
26	BLUE BIRDS AND ADULTS	ARCADIA	17

MARCH

2	WOMEN'S CLUB GARDEN SECTION	EL MONTE	25
2	CHURCH OF RELIGIOUS SCIENCE	ARCADIA	40
3	BROWNIES	ARCADIA	16
4	CUB SCOUTS	ARCADIA	14
4	CUB SCOUTS	ARCADIA	7
7	SCOTT WILSON HIGH SCHOOL		35

CONDUCTED TOURS (CONTINUED)

1954

<u>MARCH</u>	<u>NAME</u>	<u>TOWN</u>	<u>NO. OF PEOPLE</u>
9	POLY TECH. SCHOOL	PASADENA	20
10	BROWNIES	ARCADIA	16
11	CUB SCOUTS	SIERRA MADRE	12
12	BROWNIES	ARCADIA	15
15	HORTICULTURAL MAGAZINE EDITORS	U. S. NATIONAL	15
22	PLYMOUTH SCHOOL	ARCADIA	22
22	SOUTHWEST BIRD STUDY GROUP		20
26	CHURCH GROUP	ARCADIA	20
29	BROWNIES	ARCADIA	20
31	CUB SCOUTS	SAN GABRIEL	25
<u>APRIL</u>			
1	CUB SCOUTS	ARCADIA	9
1	CUB SCOUTS	PASADENA	19
1	BROWNIES	ARCADIA	14
2	CITY COLLEGE NATURE CLASS	PASADENA	40
2	CUB SCOUTS	MONROVIA	12
2	GIRL SCOUTS	MONROVIA	10
5	CITY COLLEGE NATURE CLASS	PASADENA	35
5	PLYMOUTH SCHOOL	ARCADIA	19
6	LONGLEY WAY SCHOOL	ARCADIA	40
7	WRIGHT SCHOOL	EL MONTE	33
7	THE TILLERS	PASADENA	20
8	HUGO REID SCHOOL	ARCADIA	35
8	BLUE BIRDS	PASADENA	19
9	GIRL SCOUTS	SAN GABRIEL	22
12	GIRL SCOUTS	ARCADIA	14
12	GIRL SCOUTS	ARCADIA	12
13	WOMEN'S CLUB	SAN MARTINO	75
14	GIRL SCOUTS	PASADENA	20
15	CUB SCOUTS	PASADENA	12
15	BROWNIES	SAN GABRIEL	29
15	GIRL SCOUTS	SAN GABRIEL	17
15	GIRL SCOUTS	SAN GABRIEL	17
15	BROWNIES	ARCADIA	34
16	GIRL SCOUTS	MONROVIA	15
16	SHAKESPEARE JUNIORS	SIERRA MADRE	30
19	HIGH SCHOOL BIOLOGY CLASS	EL MONTE	20
22	CUB SCOUTS	PASADENA	15
22	CUB SCOUTS	SIERRA MADRE	14
25	MONROVIA FOOTHILL GARDEN CLUB	MONROVIA	25
26	HERB SOCIETY	PASADENA	7
29	CUB SCOUTS	PASADENA	14

CONDUCTED TOURS (CONTINUED)

<u>MAY</u>	<u>NAME</u>	<u>TOWN</u>	<u>NO. OF PEOPLE</u>
2	SENIOR CITIZENS	PASADENA	25
4	CUB SCOUTS	SAN GABRIEL	15
4	CUB SCOUTS	SAN GABRIEL	11
4	FRED ARCHER SCHOOL OF PHOTOGRAPHY	LOS ANGELES	41
5	AUDUBON SOCIETY	PASADENA	35
6	WOMEN'S CLUB	SO. SAN GABRIEL	20
6	WOMEN'S CIVIC LEAGUE	PASADENA	15
7	BROWNIES	ARCADIA	22
10	SCHOOL - 4TH GRADE	WEST COVINA	40
10	GIRL SCOUTS	ROSEMEAD	30
11	ROTARIANNS	SIEBERRA MAURE	20
11	METHODIST CHURCH CLUB	SAN GABRIEL	30
11	GIRL SCOUTS	SAN GABRIEL	12
13	LONGDEN SCHOOL	TEMPLE CITY	32
13	CITY COLLEGE CLASS	PASADENA	10
13	HOE CLUB	SANTA MONICA	25
14	HIGHLAND OAKS SCHOOL	ARCADIA	60
14	GARDEN CLUB	CHEVY CHASE	50
17	WELLS SCHOOL - 6TH GRADE	ROSEMEAD	60
17	CUB SCOUTS	SAN GABRIEL	10
17	CUB SCOUTS	PASADENA	9
17	CUB SCOUTS	PASADENA	7
19	EBELL CLUB	FULLENTON	35
19	BROWNIES	SAN MARINO	16
20	WILSHIRE GARDEN CLUB	LOS ANGELES	15
20	ONEONTA CHURCH CLUB	SAN GABRIEL	10
21	SENIOR CITIZENS	ARCADIA	15
21	GIRL SCOUTS	PASADENA	21
24	FLORAL ARTS CLUB	BURBANK	14
24	BLUE BIRDS	ARCADIA	14
24	BANKERS CONVENTION	PASADENA	60
24	CAL POLY HORTICULTURE CLUB	SAN DIMAS	50
25	HASTINGS RANCH GARDEN CLUB	PASADENA	42
25	WELLS SCHOOL - 5TH GRADE	ROSEMEAD	60
26	HUGO REID SCHOOL - 4TH GRADE	ARCADIA	28
27	MISSION HIGH SCHOOL SISTERS	SAN GABRIEL	18
27	BLUE BIRDS	ARCADIA	24
28	CHERRYLEE SCHOOL - 4TH GRADE	EL MONTE	35

JUNE

1	HUGO REID SCHOOL - 3RD GRADE	ARCADIA	29
2	LA FETRA SCHOOL	GLENDCRA	30
2	ROOSEVELT SCHOOL	PASADENA	43
3	HISTORY CLASS		19

CONDUCTED TOURS (CONTINUED)

<u>JUNE</u>	<u>NAME</u>	<u>TOWN</u>	<u>NO. OF PEOPLE</u>
3	CUB SCOUTS	SIERRA MADRE	10
3	CUB SCOUTS	SIERRA MADRE	10
4	HIGHLAND OAKS SCHOOL - 3RD GRADE	ARCADIA	60
4	CUB SCOUTS	PASADENA	10
4	CUB SCOUTS	PASADENA	14
7	CAKINO GROVE SCHOOL - 4TH GRADE	ARCADIA	11
7	CUB SCOUTS	SIERRA MADRE	16
7	CUB SCOUTS	LOS ANGELES	10
9	LA PETRA SCHOOL	GLENDORA	30
9	BROWNIES	SAN GABRIEL	15
10	HOLLY AVENUE SCHOOL - 4TH GRADE	ARCADIA	36
10	GIRL SCOUTS	SAN GABRIEL	16
10	CUB SCOUTS	SAN ANTONIO	15
11	A. A. U. W. GARDEN CLUB	WHITTIER	35
11	DOWRY WOMEN'S CLUB	DOWRY	9
12	LINKIN SPORTS PHYSICAL HANDICAPS	TRUFFLE CITY	30
16	BUSINESS MEN'S CLUB	WEST ARCADIA	7
18	CUB SCOUTS	ARCADIA	10
18	CUB SCOUTS	ARCADIA	15
21	GIRL SCOUTS	ALHAMBRA	21
22	LADY INOX GARDEN CLUB	PASADENA	25
23	CUB SCOUTS	SAN GABRIEL	12
24	LAS SAINTE VEVENAS	PASADENA	16
25	WHITTIER DAY CAMP	WHITTIER	30
29	WESTMINSTER PRESBY. CHURCH	PASADENA	25
30	Y.M.C.A.	ROSEVILL	25
30	HISTORY CLASS	LOS ANGELES	12

STOCKS

<u>MONTH</u>	<u>NUMBER OF TOURS</u>	<u>NUMBER OF PEOPLE</u>
JULY - '53	14	532
AUG.	4	170
SEPT.	6	317
OCT.	13	311
NOV.	20	432
DEC.	7	91
JAN. - '54	10	306
FEB.	13	359
MAR.	16	322
APRIL	31	752
MAY	35	1,058
JUNE	11	707
TOTALS	207	5,444



Supervisor Herbert C. Legg participating in the Arbor Day
Magnolia planting at the Arboretum by the Garden Clubs

ARCADIA GOLDEN JUBILEE

THE ARBORETUM GROUNDS WERE OPENED TO THE PUBLIC ON SUNDAY, AUGUST 16, 1953, TO COMMEMORATE THE 50TH ANNIVERSARY OF THE FOUNDING OF ARCADIA BY E. J. "LUCKY" BALDWIN, THE FORMER OWNER OF RANCHO SANTA ANITA, THE HOME SITE OF WHICH IS LOCATED WITHIN THE HISTORICAL PRESERVE OF THE LOS ANGELES STATE AND COUNTY ARBORETUM. FOR THIS FESTIVE OCCASION THE HISTORICAL BUILDINGS FORMED THE CENTER OF ATTRACTION, ESPECIALLY THE NEWLY RESTORED "QUEEN ANNE COTTAGE". APPROXIMATELY 5000 PEOPLE VISITED THE ARBORETUM ON THIS "SUNDAY AFTERNOON AFFAIR".

"QUEEN ANNE" COTTAGE DEDICATION

THE "QUEEN ANNE" COTTAGE WAS OFFICIALLY DEDICATED AS HISTORICAL LANDMARK NO. 367 BY THE CALIFORNIA STATE PARK COMMISSION ON MAY 18, 1954.

THE "QUEEN ANNE" COTTAGE, CONSTRUCTED IN 1861 BY ELIAS JACKSON ("LUCKY") BALDWIN IS SITUATED IN THE ARBORETUM'S HISTORICAL PRESERVE. THIS HISTORICAL STRUCTURE HAS BEEN ARCHITECTURALLY RESTORED THROUGH PRIVATE FUNDS RAISED BY THE HISTORICAL COMMITTEE OF CALIFORNIA ARBORETUM FOUNDATION, INC.

MR. AUBREY NEASHAM, HISTORIAN, DIVISION OF BEACHES AND PARKS, STATE OF CALIFORNIA, PERFORMED THE DEDICATION CEREMONY WHICH WAS ATTENDED BY 300 REPRESENTATIVES OF COUNTY, STATE, CITY AND CIVIC ORGANIZATIONS.



Supervisor John Anson Ford addressing participants
in the dedication of the "Queen Anne Cottage" as
Historical Landmark No. 367

ARBORETUM LECTURES

NOTE: IN COLUMN HEADED "TIME", THE "D" MEANS THAT THE PROGRAM WAS PRESENTED DURING THE DAY. "E" MEANS AN EVENING PROGRAM, "SAT" FOR SATURDAY AND "SUN" FOR SUNDAY. "HOL" DENOTES A HOLIDAY PROGRAM.

<u>TIME</u>	<u>PROGRAM PRESENTED TO:</u>	<u>LOCATION</u>
<u>JULY 1953</u>		
D 9	ALHAMBRA EXCHANGE CLUB	ALHAMBRA
E 13	SOUTH BAY GARDEN CLUB	REDONDO BEACH
E 28	MONROVIA FOOTHILL GARDEN CLUB	MONROVIA
<u>AUGUST</u>		
	NO PROGRAMS	
<u>SEPTEMBER</u>		
D 15	WESTCHESTER WOMANS CLUB	LOS ANGELES
D 17	L. A. CITY SCHOOL EMPLOYEES GAR. CLUB	LOS ANGELES
E 17	SO. CALIF. HORTICULTURAL INSTITUTE	LOS ANGELES
E 29	HILLCREST SCHOOL P. T. A.	REDONDO BEACH
<u>OCTOBER</u>		
E 2	VILLAGE PRESBYTERIAN CHURCH	ARCADIA
E 6	NATIONAL SHADE TREE CONFERENCE	LOS ANGELES
D 8	WOMENS CLUB	SAN GABRIEL
SAT 10	GARDEN CLUB	LA CANADA
<u>NOVEMBER</u>		
E 0	NATIVE DAUGHTERS - GOLDEN WEST	PASADENA
E 7	DELTA SIGMA PI	U.C.L.A. CAMPUS
D 12	EXCHANGE CLUB	ALHAMBRA
E SUN 14	PRIVATE HOME GROUP	ARCADIA
E 18	WOMENS CLUB	MONROVIA
<u>DECEMBER</u>		
	NO PROGRAMS	
<u>JANUARY 1954</u>		
E 0	FIRST PRESBYTERIAN CHURCH	AZUSA

ARBORETUM LECTURES (CONTINUED)

<u>TIME</u>	<u>PROGRAM PRESENTED TO:</u>	<u>LOCATION</u>
<u>JANUARY 1954</u>		
D 13	CALIF. FED. WOMENS CLUBS-DIST. MEETING	ARCADIA
E 21	MASONIC LODGE FAMILY NIGHT	ARCADIA
E 25	HISTORICAL SOCIETY	GLENDORA
E SAT 30	AUDUBON SOCIETY AT PUBLIC LIBRARY	PASADENA
<u>FEBRUARY</u>		
E 8	COMMUNITY PRESBYTERIAN CHURCH	EL MONTE
D 11	NORTHWEST GARDEN CLUB	LOS ANGELES
E HOL 12	TENTH AVENUE BAPTIST CHURCH	INGLEWOOD
E 17	VILLAGE PRESBYTERIAN CHURCH	ARCADIA
D SUN 20	HISTORICAL SOCIETY	ARCADIA
E 23	CHURCH OF THE GOOD SHEPARD	ARCADIA
E 24	WOMENS CLUB	AZUSA
<u>MARCH</u>		
E 2	PRESBYTERIAN CHURCH CLIPPER CLUB	ARCADIA
E 12	CLAREMONT MANOR CHURCH HOME	CLAREMONT
D 15	WELCOME WAGON	WHITTIER
D 16	EXCHANGE CLUB	ARCADIA
D 18	SIDELIA CLUB - PASADENA CITY COLLEGE	PASADENA
D 18	WOMENS 20TH CENTURY CLUB	EAGLE ROCK
E 22	RIVERSIDE GARDEN CLUB	RIVERSIDE
D 24	CALIFORNIA HISTORY & LANDMARK	MONTEREY PARK
<u>APRIL</u>		
D 7	WOMENS CLUB	FLORENCE
D 13	WOMENS CLUB	SAN MARINO
D 20	EBELL CLUB	HIGHLAND PARK
E 20	ARBORETUM TRUSTEES	LOS ANGELES
D 21	WOMENS CLUB	HIGHLAND PARK
E SAT 25	TUESDAY CLUB FAMILY NIGHT	ALHAMBRA
D 27	WOMENS CLUB	ORANGE
D 28	WOMENS CLUB	WHITTIER
<u>MAY</u>		
D 3	ARCADIANNS	ARCADIA
D 5	MICHILINDA WOMENS CLUB	ARCADIA
D 12	LITTLE GARDEN CLUB	PASADENA
D 18	KNIGHTS OF THE ROUND TABLE	ARCADIA
E 25	AGASSIZ NATURE CLUB	LONG BEACH
E 27	JUNIOR WOMENS CLUB	SAN GABRIEL

PHOTOGRAPHIC RECORDS

WE HAVE ESTABLISHED AN INDEXED FILE OF BLACK AND WHITE NEGATIVES AND PRINTS OF PICTURES PERTAINING TO DIFFERENT PHASES OF THE ARBORETUM PROGRAM. THE FILE AT THE PRESENT TIME CONTAINS THE FOLLOWING ASSORTMENT. WE ESTIMATE THAT ABOUT FIFTY-FIVE PERCENT OF THESE PICTURES HAVE BEEN ADDED THIS LAST YEAR.

EXPERIMENTAL	11
FLORA	48
OUTSIDE GARDENS	12
HISTORICAL	43
SCENIC	269
EXOTIC	<u>30</u>
TOTAL	413

THERE HAS ALSO BEEN COMPILED AN INDEXED FILE OF 35MM COLORED SLIDES, ALL MOUNTED IN GLASS. THIS FILE AT THE PRESENT TIME HAS THE FOLLOWING ASSORTMENT OF WHICH AN ESTIMATED SIXTY PERCENT HAS BEEN ADDED THIS YEAR.

ARBORETUM BEFORE ALTERATIONS	217
FLORA OF THE AREA	310
SCENIC VIEWS	235
EXPERIMENTAL	195
BUILDINGS, NEW AND OLD	27
FLORA AT LUX ARBORETUM ANNEX	<u>22</u>
TOTAL	1,006

PERMANENT PLANT LABELS

DURING THE PAST YEAR PLASTIC LABELS FOR PERMANENT PLANT MARKING HAVE BEEN DEVELOPED. THESE LABELS ARE MACHINE ENGRAVED ON THE REVERSE SIDE AND AT PRESENT ARE LIMITED TO TWO GENERAL KINDS, ALTHOUGH OTHERS MAY BE DESIGNED AS WORK ARTISTS. THOSE IN USE NOW ARE HERewith DESCRIBED,

PERMANENT PLANT LABELS (CONTINUED)

EXAMPLE #1 - SIZE APPROXIMATELY 2 X 6 INCHES WITH TWO SMALL HOLES (NAIL SIZE) DRILLED TO FASTEN TO THE LARGER TREES. (NOTE): WE ARE TRYING TO FIND AN IMPROVED METHOD OF FASTENING THESE TO TREES AND EXPECT TO HAVE AN ANSWER SOON.

EXAMPLE #2 - THE OTHER TYPE IS THE SAME SIZE (2 X 6) BUT IS PLASTI-WELDED TO AN UPRIGHT PLASTIC ROD OF VARYING LENGTHS (15 TO 20") AND PLACED IN THE GROUND NEAR THE BASE OF THE SMALLER TREES, SHRUBS OR OTHER PLANTS. SOME HAVE BEEN IN USE FOR ABOUT TWO YEARS, PARTICULARLY THOSE NAILED TO TREES, AND EVEN THOUGH THERE IS AN ACCUMULATION OF WEATHER FILM ON EACH LABEL, THEY CAN BE EASILY RESTORED TO THEIR ORIGINAL BEAUTY BY A SIMPLE CLEANING PROCESS. THERE IS EVERY INDICATION THAT THEY WILL LAST INDEFINITELY.

THESE LABELS IN MOST INSTANCES CARRY THE COMMON NAME, SCIENTIFIC NAME AND HABITAT, AND MAKES A THREE LINE WORKER. WE ARE WORKING ON A SERIES OF LABELS A BIT LARGER, 2 1/2 X 6" THAT WILL TAKE FOUR LINES. THE ADDITIONAL LINE TO BE A SORT OF "THOUGHT PROVOKER", OR "INTEREST AROUSER" FOR FUTURE ARBORETUM VISITORS. ONE SMALL AREA NEAR THE OFFICE IS BEING USED AS A TEST AREA, AND SOME OF THE FIRST MENTIONED THREE LINE LABELS ARE IN POSITION THERE. THEY ATTRACT A GOOD DEAL OF ATTENTION FROM THOSE VISITING THE ARBORETUM GROUNDS.



Engraved transparent plastic label
used at the Arboretum

PERMANENT PLANT LABELS (CONTINUED)

THE GENERAL PUBLIC HAD AN EXCELLENT OPPORTUNITY NOT LONG AGO TO SEE THESE PLASTIC LABELS IN USE. THEY WERE ON VIEW AT THE INTERNATIONAL FLOWER SHOW EDUCATIONAL EXHIBIT IN INGLEWOOD. THE ARBORETUM FURNISHED ON LOAN 233 LABELS OF DIFFERENT SIZES FOR THIS DISPLAY, AND ALSO SUPPLIED 17 FOR THE LAST PASADENA FLOWER SHOW. DESCANSO GARDENS WAS SUPPLIED WITH ABOUT 300 OF THESE LABELS RECENTLY.

THERE HAS ALSO BEEN DEVELOPED A SMALL MACHINE STAMPED ALUMINUM LABEL WITH ONLY THE ACCESSION NUMBER ON IT. THIS IS ABOUT $1\frac{1}{2}$ " LONG WITH A PLASTIC COATED WIRE ATTACHED. THESE ARE BEING FASTENED TO EACH AND EVERY PLANT ON THE ARBORETUM GROUNDS, AND IN THE LATH HOUSE AS SOON AS THE PLANTS ATTAIN THE PROPER SIZE, AND IN ANY EVENT BEFORE THEY LEAVE THE LATH HOUSE. IT IS INTENDED THAT EVERY PLANT AND TREE IN THE ARBORETUM WILL EVENTUALLY BE MARKED WITH ONE OF THESE SMALL ACCESSION LABELS.

ALL THIS WILL BRING ABOUT A CONTINUED LESSENING IN THE DEMAND FOR THE OLD STYLE ALUMINUM LABEL, FOR IN THE FUTURE THEY WILL BE REPLACED BY THE PLASTIC LABEL THAT HAS BEEN DESCRIBED HEREIN.

GIFTS TO THE ARBORETUM

THE FOLLOWING EQUIPMENT AND OTHER GIFTS HAVE BEEN TURNED OVER TO THE LOS ANGELES COUNTY DEPARTMENT OF ARBORETA AND BOTANIC GARDENS FOR THE LOS ANGELES STATE AND COUNTY ARBORETUM DURING FISCAL YEAR 1953-54.

<u>ITEM</u>	<u>DONOR</u>
1 - TRUCK - CHEVROLET - $1\frac{1}{2}$ TON	CALIF. ARBORETUM FOUNDATION, INC.
1 - TRUCK - CHEVROLET - $\frac{1}{2}$ TON	" " " "
1 - CARRYALL - CHEVROLET	" " " "
1 - TRACTOR - FORD	" " " "
1 - MOWER - TRACTOR ATTACHMENT	" " " "
1 - DISC " "	" " " "
1 - LOADER " "	" " " "
1 - POSTHOLE DIGGER "	" " " "
1 - AUGER " "	" " " "
1 - CUTTING BAR "	" " " "
1 - AIR-CLEANER "	" " " "
1 - MOWER - WHIRLWIND	" " " "
1 - SULKY - MOWER ATTACHMENT	" " " "
1 - ROTOTILLER - B MODEL	" " " "
1 - ROTOTILLER - ROTO-ETTE	" " " "
1 - SPRAYER	" " " "
1 - SAW - CHAIN - MALL	" " " "
1 - COOLING UNIT	" " " "
1 - POT WASHER - WITH MOTOR	" " " "
1 - LAWNMOWER	" " " "

GIFTS TO THE ARBORETUM (CONTINUED)

<u>ITEM</u>	<u>DONOR</u>
1 - EDGER - LAWN	CALIF. ARBORETUM FOUNDATION, INC.
6 - HYDRANTS - FIRE	" " " "
1 - HYDRANT - GREENBERG	" " " "
10 - HEATERS - ORCHARD	" " " "
10 - DEFLECTORS - HEATER ATTACHMENTS	" " " "
12 - LANTERS - KEROSENE	" " " "
3 - TYPEWRITERS - ROYAL	" " " "
1 - EMBOSsing PRESS - ROOVERS	" " " "

LIBRARY ITEMS

4 - VOLUMES - UNITED STATES DEPARTMENT AGRIC. PLANT INTRODUCTION INVENTORIES	" " " "
2 - VOLUMES - PLANT PHYSIOLOGY	" " " "
5 - VOLUMES - BIOLOGICAL ABSTRACTS	" " " "
5 - VOLUMES - ORCHID DIGEST	" " " "
1 - VOLUME - FIELDIANA: BOTANY PARTS III, IV, V.	" " " "
5 - VOLUMES - UNITED STATES NATIONAL HERBARIUM CONTRIBUTIONS	" " " "
3 - VOLUMES - HISTORIA DE LAS PLANTAS DE NUEVA ESPAÑA	" " " "
2 - VOLUMES - EL ALISO	" " " "
1 - VOLUME - BOTANICAL GAZETTE	" " " "
3 - VOLUMES - CACTUS AND SUCCULENT JOURNAL	" " " "
3 - VOLUMES - AMERICAN JOURNAL OF BOTANY	" " " "
10 - VOLUMES - THE GARDENERS' CHRONICLE	" " " "
1 - VOLUME - SHRUBS AND TREES FOR AUSTRALIAN GARDENS	" " " "
4 - VOLUMES - ARBORETUM BULLETIN - UNIV. OF WASHINGTON	" " " "
2 - VOLUMES - SOIL SCIENCE	" " " "
3 - VOLUMES - CEIBA	ANONYMOUS
32 - VOLUMES - TROPICAL WOODS 1 - INDEX	"
7 - VOLUMES - ECONOMIC BOTANY	"
3 - VOLUMES - FLORA OF COSTA RICA	"

DURING THE YEAR WE HAVE ADDED 57 BOOKS THROUGH PURCHASE. THROUGH GIFTS WE HAVE RECEIVED 62 BOOKS, 1372 NON-CURRENT PERIODICALS AND 743 PAMPHLETS.

WE SUBSCRIBE TO 34 CURRENT PERIODICALS, RECEIVE 19 THROUGH GIFTS, 73 THROUGH EXCHANGE AND 3 BY PUBLICATION.

PUBLICATIONS

THE FOLLOWING ARTICLES HAVE BEEN PUBLISHED DURING THE FISCAL YEAR BY MEMBERS OF THE ARBORETUM STAFF:

<u>ARTICLE</u>	<u>PUBLICATION</u>	<u>AUTHOR</u>
"LATH HOUSES OF ALUMINUM"	NATIONAL HORTICULTURAL MAGAZINE - JULY 1953	R. J. SEIBERT
"SOME BAMBOOS FOR WESTERN GARDENS"	SUNSET MAGAZINE - MARCH 1954	R. J. SEIBERT
"SOME BAMBOOS FOR WESTERN GARDENS"	SUNSET WESTERN GARDEN BOOK - MARCH 1954	R. J. SEIBERT
"GRASSES FOR OUR HOME LAWNS"	LASCA LEAVES VOL.III #4	R. J. SEIBERT L. B. MARTIN
"CISTUS AND ITS RESPONSE TO FIRE"	LASCA LEAVES VOL.IV #3	L. B. MARTIN MRS. M. JUHREN
"GROWING NOTES"	LASCA LEAVES VOL. III #3 VOL. III #4 VOL. IV #1 VOL. IV #2	G. H. SPALDING
"INDEX" TO JOHN HUTCHINSON'S "A BOTANIST IN SOUTHERN AFRICA"	LASCA MISCELLANEA	G. H. SPALDING
"SOIL CONDITIONING WITH KRILIUM"	LASCA LEAVES VOL.III #3	L. B. MARTIN
"THE DUVDEVANI DEW GAUGE"	LASCA LEAVES VOL.III #3	R. J. SEIBERT

PUBLICITY

NEWSPAPER:

CLIPPINGS REGARDING THE ARBORETUM DURING THE FISCAL YEAR 1953-54.

<u>1953</u>		<u>1954</u>	
JULY	- 31	JANUARY	- 10
AUGUST	- 27	FEBRUARY	- 12
SEPTEMBER	- 5	MARCH	- 10
OCTOBER	- 6	APRIL	- 56
NOVEMBER	- 9	MAY	- 66
DECEMBER	- 4	JUNE	- 17
TOTAL - 253			

PUBLICITY (CONTINUED)

RADIO PROGRAMS:

<u>DATE</u>	<u>PROGRAM</u>	<u>STATION</u>	<u>PARTICIPANTS</u>
AUG. 3, 1953	"YOUR COUNTY GOVERNMENT"	K.F.I.	JOHN ANSON FORD R. J. SEIBERT
JAN. 14, 1954	"NATIVE DAUGHTERS OF THE GOLDEN WEST"	K.W.K.W.	R. J. SEIBERT D. E. NELSON
JAN. 14, 1954	"TAXPAYERS LEAGUE"	K.W.K.W.	R. J. SEIBERT D. E. NELSON

TELEVISION PROGRAMS:

AUG. 12, 1953	"CITY AT NIGHT"	K.T.L.A.	R. J. SEIBERT
AUG. 24, 1953	"BEFORE YOUR EYES"	K.T.T.V.	MRS. R. Y. DAKIN R. J. SEIBERT D. E. NELSON

JAN. 2, 1954 "CAMPUS FARMERS"

K.E.C.A. (R. J. SEIBERT
(G. H. SPALDING
(J. CAUFFIELD
(L. B. MARTIN

GROUNDS PERMITS

TEMPORARY GROUNDS PERMIT CARDS ARE ISSUED TO AUTHORIZED PERSONS FOR SPECIAL STUDY OR OBSERVATION OF SPECIFIC FEATURES OF THE ARBORETUM. 39 PERMITS WERE GRANTED.

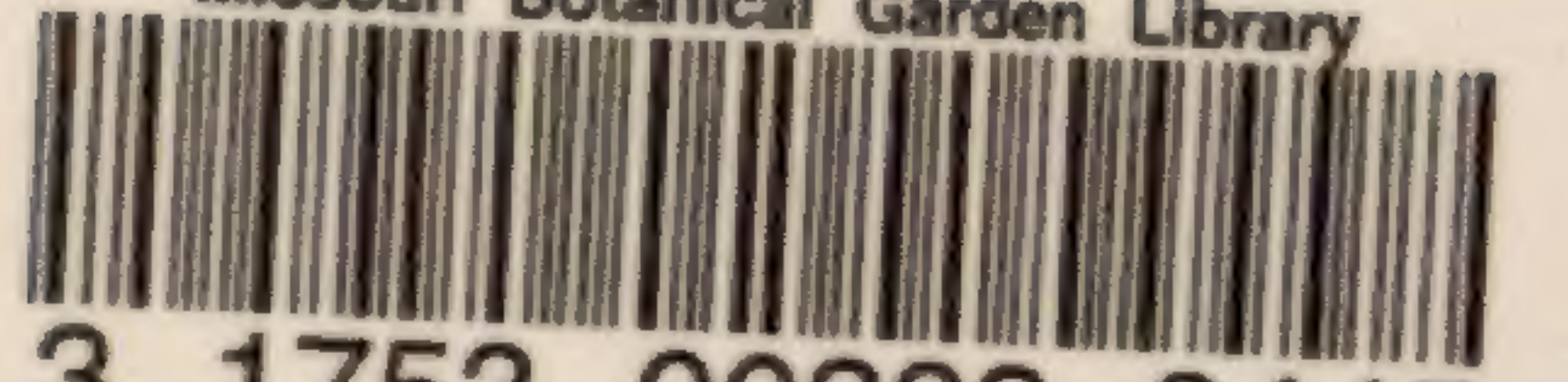


SILHOUETTE'S OF TREE AND SHRUB
GREET YOU WITH EVER CHANGING MOOD
OFTEN - AS NOW - AGAINST A LEADEN SKY
THEY SEEM IN MYSTERY CLOAKED
BUT CHOOSE ANOTHER HOUR, AND SEE THEM BRIGHTLY GREEN
AS ON A SUMMER'S DAY.

OR UNDER DARKENING CLOUDS, AND MAYBE RAIN
YOU WALK THIS WAY ANOTHER TIME
AND PAUSE,
TO FIND THE SUNLIGHT BREAKING THROUGH
AND WATCH,
AS EVERYTHING THAT GROWS
SHINES WITH A RAIN-WASHED HUE

THE WHOLE WORLD SMILES, AND ALL SEEMS WELL
UNTIL -- OH SAD THE DAY
THE WIND STARTS BLOWING FROM THE WEST
AND WAFTS THE SMOG YOUR WAY.

Missouri Botanical Garden Library



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