Descriptive Summary

Title: University of California, Riverside, Citrus Research Center and Agricultural Experiment Station records

Date (inclusive): circa 1808-2007, undated.

Date (bulk): 1910-1955

Collection Number: UA 042

Creator: University of California, Riverside. Citrus Research Center and Agricultural Experiment Station

Extent: 63 linear feet (54 document boxes, 3 flat storage boxes, 8 glass plate negative boxes, 3 index card boxes, 1 lantern slide box, 2 map-case folders, unboxed material)

Repository: Rivera Library. Special Collections Department.
Riverside, CA 92517-5900

Abstract: The Citrus Research Center and Agricultural Experiment Station (CRC-AES) records collection contains administrative records, correspondence, faculty papers, publications, scrapbooks, clippings, photographs, reports, project files, and other material relating to CRC-AES. Formerly known as the Citrus Experiment Station (CES), the bulk of materials precede the establishment of UC Riverside's College of Letters and Sciences in 1954. The majority of topics document the history, events, faculty, staff, facilities, research, and experiments of CES. Materials related to CES research and experiments pertain to the physiology and morphology of citrus, fig, date palm, avocado, and other subtropical crops, soil management, smog studies, pest control, and diseases. A majority of citrus related publications and faculty papers were originally part of the former University of California Graduate School of Tropical Agriculture and Citrus Experiment Station Library. Project files pertain to research and experiments conducted by CES staff, faculty, and associated members. In addition, other subjects include the history of the citrus and avocado industry in Southern California, the introduction of the first Washington navel orange tree, and global production and marketing of citrus and subtropical agriculture.

Languages: The collection is in English.

Access

This collection is open for research.

For preservation and safety concerns, the use of nitrate negatives in Sub-series 8.5 has been restricted. Please contact Special Collections & Archives for additional information regarding this material.

Publication Rights

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Preferred Citation

[identification of item], [date if possible], University of California, Riverside, Citrus Research Center and Agricultural Experiment Station records (UA 042). Special Collections & University Archives, University of California, Riverside.

Processing History

Processed by History Associates Incorporated, 2013.

Processing of the University of California, Riverside, Citrus Research Center and Agricultural Experiment Station records was generously funded by the Andrew W. Mellon Foundation, and administered by the Council on Library and Information Resources (CLIR). The University of California, Riverside was awarded a Cataloging Hidden Special Collections and Archives grant from 2010-2013, "Uncovering California's Environmental Collections," in collaboration with eight additional special collections and archival repositories throughout the state and the California Digital Library (CDL). Grant objectives included processing of over 33 hidden collections related to the state's environment and environmental history. The collections document an array of important sub-topics such as irrigation, mining, forestry, agriculture, industry, land use, activism, and research. Together they form a multifaceted picture of the natural world and the way it was probed, altered, exploited and protected in California over the twentieth century. Finding aids are made available through the Online Archive of California (OAC).

Administrative History

The Citrus Research Center and Agricultural Experiment Station (CRC-AES) was established by the Regents of the University of California on February 14, 1907. In the late 1800s, the citrus industry was quickly expanding in Southern California causing the need for a research facility closer than the State Agricultural Experiment Station located in Berkeley. In 1899,
John Henry Reed, a citrus grower and member of the Riverside Horticultural Club, developed a proposal for the construction of an experiment station in Riverside for the purpose of improving the growth and production of citrus crops. Over the next five years, Reed and his fellow club members created petitions, acquired endorsements, and lobbied the California legislature to have a station developed. In May 1906, a group of commissioners created to represent the UC Regents approved a plan that would allow for the establishment of an organization with two separate branches: a laboratory in Whittier and an experiment station in Riverside.

Initially known as the Rubidoux Laboratory, the Citrus Experiment Station (CES) was constructed on approximately 23 acres of land on the eastern side of Mount Rubidoux in Riverside. Leased to the University of California from the Huntington Park Association, the site was comprised of a few small buildings, two cottages, and a stable. To celebrate the opening of the Citrus Experiment Station on January 27, 1907, Riverside staged the largest Farmers’ Institute ever held in California at that time. During its earliest days at the Rubidoux laboratory, CES had only two technically trained staff and few staff assistants, with research limited to topics in soil management, irrigation, and fertilization for the improvement of citrus quality and production.

In 1912, the retirement of Dean Wickson of the College of Agriculture and director of the State Agriculture Experiment Station in Berkeley prompted a decision by the UC president and regents to consider a reorganization of the university's agricultural research and activities. In 1913, Herbert John Webber was appointed dean of the newly formed Graduate School of Tropical Agriculture in Southern California as well as the new director of CES. In January of that year, a freeze in Southern California caused a record loss in citrus crops, prompting the California Fruit Growers Exchange to lobby for an increase in citrus funding. The result allowed for a new and larger citrus experiment station to be built. In 1914, Webber worked closely with the Riverside Chamber of Commerce and city officials to convince the UC Regents to keep the station in Riverside instead of moving it to the San Fernando Valley. On December 22, 1914, the regents voted 14 to 4 in favor of keeping the station in Riverside. The dedication ceremony for the new Graduate School of Tropical Agriculture and citrus station took place on March 27, 1918 at the new 475 acre site located at the foothills of the Box Springs Mountains, five miles east of the original Rubidoux site.

During his tenure, Webber recruited eleven scientists and organized six divisions within CES: agricultural chemistry, plant physiology, plant pathology, entomology, plant breeding, and orchard management. In June 1917, Webber directed the installation of experimental plots on the new site for the purpose of studying orange cultivation and fertilization. This was the start of the citrus variety collection (CVC), one of the greatest citrus tree varieties collections worldwide. Some of the most important achievements within CES during Webber’s directorship were in biological control, plant diseases, soils and plant nutrition, and studies regarding mottle-leaf disease, the mealybug, and subtropical agriculture with a focus on avocados.

After Webber’s retirement in 1929, Leon D. Batchelor became the second director of CES. During his term, he focused on fertilizer experiments and research on tristeza disease. Through the development of a new rootstock that was tristeza resistant, the threat of extinction of California citrus trees was prevented. In 1932, the University of California at Los Angeles (UCLA) established a College of Agriculture and the Division of Subtropical Horticulture was transferred from Berkeley to Los Angeles. Over the course of the next few years, divisions were transferred from Berkeley, Davis, and Riverside to Los Angeles. This resulted in the Graduate School of Tropical Agriculture being discontinued in Riverside in 1939. In 1946, Webber and Batchelor co-edited The Citrus Industry, a two volume work regarding citrus growth, production, and distribution.

In 1951, Batchelor retired from his post as director and Homer D. Chapman took over until the end of that year. In January 1952, entomologist and CES staff member Alfred M. Boyce became the new CES director. During Boyce's term, CES expanded its research to include the nation’s first department of Nematology, and dedicated time to research in air pollution and insect resistance to pesticides. In 1954, the Riverside campus established a College of Letters and Science and became a general University of California, plant breeding in 1959. In 1960, a College of Agriculture was created at Riverside and Boyce was appointed the first dean. Through this partnership, CES researchers and scientists acquired joint research and teaching appointments. In 1961, CES officially changed its name to the Citrus Research Center and Agricultural Experiment Station (CRC-AES) to reflect new growth and developmental changes within the research conducted at the station. Since the 1960s, the CRC-AES has continued research in areas such as biological control and pest management, and has added new areas in molecular biology, genetics, and agriculture in arid and semiarid regions. In 2007, the CRC-AES celebrated its 100th anniversary. Today, the CRC-AES is administered by Agricultural Operations, a department within the College of Natural and Agricultural Sciences at UC Riverside. Through Agricultural Operations, CRC-AES continues to grow and manage crops for the future research of citrus and subtropical agriculture.

1899: John Henry Reed developed a proposal for the construction of a citrus experiment station in Southern California.
1906: UC Regents approved a plan to institute an experiment station in Southern California in May.
1907: The Citrus Experiment Station (CES) site was officially established on Mt. Rubidoux on February 14.
1913: Herbert J. Webber was named the first director of the CES.

1914: UC Regents voted 14 to 4 in favor of keeping the station site in Riverside.

1917: Herbert J. Webber established the citrus variety collection (CVC) through the installation of experimental plots on the new station site.

1918: The Citrus Experiment Station and the new Graduate School of Tropical Agriculture were dedicated on March 27.

1924: Summer sessions in Subtropical Horticulture for undergraduate students were instituted in Riverside.

1929: Herbert J. Webber retired and Leon D. Batchelor took Webber’s place to become the second CES director.

1931: The north wing of the CES building was constructed.

1933: Summer sessions in undergraduate instruction in Subtropical Horticulture were suspended.

1939: The Graduate School of Tropical Horticulture was discontinued.


1951: Leon D. Batchelor retired and Homer D. Chapman took Batchelor’s place as director for the remainder of the year.

1952: Alfred M. Boyce took over as CES director.

1954: A College of Letters and Science was established on the Riverside campus.

1957: CES celebrated its 50th anniversary.

1959: UC Riverside became a general campus.

1960: A College of Agriculture was established at UC Riverside and Alfred M. Boyce was appointed the new dean.

1961: CES officially changed its name to the Citrus Research Center and Agricultural Experiment Station (CRC-AES).

1968: The first International Citrus Symposium was held at UC Riverside in March.

1982: CRC-AES celebrated its 75th anniversary.

2007: CRC-AES celebrated its 100th anniversary.

Collection Scope and Content Summary

The Citrus Research Center and Agricultural Experiment Station (CRC-AES) records collection contains administrative records, correspondence, faculty papers, publications, scrapbooks, clippings, photographs, reports, project files, and other material relating to CRC-AES. Formerly known as the Citrus Experiment Station (CES), the bulk of materials precede the establishment of UC Riverside’s College of Letters and Sciences in 1954. The majority of topics document the history, events, faculty, staff, facilities, research, and experiments of CES. Materials related to CES research and experiments pertain to the physiology and morphology of citrus, fig, date palm, avocado, and other subtropical crops, soil management, smog studies, pest control, and diseases. A majority of citrus related publications and faculty papers were originally part of the former University of California Graduate School of Tropical Agriculture and Citrus Experiment Station Library. Project files pertain to research and experiments conducted by CES staff, faculty, and associated members. In addition, other subjects include the history of the citrus and avocado industry in Southern California, the introduction of the first Washington navel orange tree, and global production and marketing of citrus and subtropical agriculture.

Collection Arrangement

This collection is arranged into ten series and twelve sub-series. The series and sub-series arrangement is as follows:

Series 2. Faculty papers. 1873-1971, undated.
Sub-series 8.1. 35mm slides. 1937-1960s, undated.
Sub-series 8.3. Lantern slides. 1904-1938, undated.

Indexing Terms

The following terms have been used to index the description of this collection in the library’s online public access catalog.

Subjects
University of California, Riverside. Citrus Research Center and Agricultural Experiment Station
Webber, Herbert John, 1865-1946
Thomas, Edward Ellis, 1883-1936
Quayle, H. J. (Henry Josef), 1876-
Parker, E. R. (Edwin Robert), 1896-1952
Chapman, Homer Dwight, 1898-2005
Batchelor, L. D. (Leon Dexter), 1884-
Boyce, A. M.
Agriculture
Avocado
Citrus
Citrus -- Diseases and pests
Citrus fruit industry
Citrus fruits -- Research
Entomology
Horticulture
Riverside (Calif.)

Genres and Forms of Materials
Administrative records
Articles
Clippings (information artifacts)
Correspondence
Documents
Lantern slides
Maps
Negatives (photographs)
Notes
Photographs
Publications
Reports
Slides (photographs)
Typescripts

Series Scope and Content Summary
This series contains correspondence, annual reports, programs, topographical surveys, and other material pertaining to administrative matters of the Citrus Experiment Station (CES). Materials primarily relate to facilities, budgets, staff, the library, and early developments of the CES prior to the establishment of the UC Riverside College of Letters and Science in 1954. Records documenting research in the Subtropical Horticulture Division of the College of Agriculture, the Southern California Pathological Laboratory, and the Graduate School of Tropical Agriculture are also included.

Series Arrangement
This series is arranged into seven sub-series:

Budgets. Sub-series 1.1. 1868-1953, undated.

Sub-series Scope and Content Summary
This sub-series contains correspondence, reports, and other material pertaining to the budget of the Citrus Experiment Station (CES). Topics include approved and recommended annual budgets, salaries, payroll, supplies, maintenance and construction of CES buildings, and prospective research projects. Select faculty papers and correspondence regarding budgets and financial matters are also included.

For all other records concerning faculty papers, please consult Series 2, Faculty papers.

Sub-series Arrangement
This sub-series is arranged sequentially by box and folder number.

Box 3, Folder 5
Correspondence of Thomas F. Hunt regarding the budget, salaries, and other administrative matters of CES. 1913-1919.

Box 3, Folder 8
Correspondence regarding the budget, faculty, research and future developments of the school of subtropical horticulture. Contains salary information. 1915-1928.

Box 3, Folder 9
Correspondence between W.D. Drew and Robert W. Hodgson regarding expenditures and administrative matters of CES and the school of subtropical horticulture. 1928-1929.

Box 3, Folder 10
Correspondence between W.D. Drew and R.M. Underhill regarding expenditures, injuries that occurred at CES, and other financial matters. July 1928-December 1928.

Box 3, Folder 12
Correspondence of W.D. Drew regarding expenditures, salaries, and other administrative matters of CES. 1927-1928.

Box 7, Folder 5
Estimate of expenditures for prospective projects within the Agricultural Experiment Station Division of Plant Pathology. 1912-1913.

Box 9, Folder 1
Estimate of expenditures regarding supplies, maintenance, and wages for the Southern California Pathological Laboratory and CES. 1912-1915.

Box 9, Folder 2
Correspondence regarding the approval of budgets and a statement of salaries for CES. 1914-1916.

Box 9, Folder 4
Documents regarding supply costs for select CES projects. 1919-1926.

Box 9, Folder 5
Official budgets and financial statements for the CES and subtropical horticulture divisions. Includes correspondence and budget recommendations. 1916-1926.

Box 9, Folder 6
| Box 9, Folder 7 | Recommended budgets for the divisions of subtropical horticulture and CES. Includes a list of functions and active projects. April 20, 1926. |
| Box 9, Folder 8 | Official CES budgets. Includes correspondence. 1926-1929. |
| Box 9, Folder 9 | Approved budgets for all CES departments for the 1868-1953, 1931-1932 and 1932-1933 fiscal years. Includes biographical data and salary information. 1929-1933. |
| Box 9, Folder 10 | Recommended budget for the College of Agriculture in Southern California branch for the 1934-1935 fiscal year. Includes biographical data and salary information. 1933-1935. |
| Box 9, Folder 12 | Recommended budgets for the bienniums 1935-1937 and 1937-1939 for the CES and subtropical horticulture divisions of the College of Agriculture Southern California branch. Includes biographical data, salary information, and job descriptions. 1934-1939. |
| Box 10, Folder 1 | Approved budgets for all CES departments for the 1936-1937, 1937-1938, and 1938-1939 fiscal years. Includes salary information. 1936-1939. |
| Box 10, Folder 2 | Recommended budgets for the CES and UCLA divisions of the College of Agriculture Southern California branch for the 1937-1938 and 1938-1939 fiscal years. Includes biographical data and salary information. 1937-1939. |
| Box 10, Folder 3 | Recommended CES budget for the 1939-1940 fiscal year. Includes biographical data and salary information. 1938-1940. |
| Box 10, Folder 4 | Recommended CES budget for the biennium 1939-1941. Includes salary information. 1938-1941. |
| Box 10, Folder 5 | Approved budgets for all CES departments for the 1939-1940 and 1940-1941 fiscal years. Includes salary information. 1939-1941. |
| Box 10, Folder 6 | Recommended CES budget for the 1940-1941 fiscal year. Includes salary information. 1939-1941. |
| Box 10, Folder 7 | Recommended CES budget for the biennium 1941-1943. Includes salary information. 1941-1943. |
| Box 10, Folder 8 | Recommended CES budget for the 1942-1943 fiscal year. Includes biographical data and salary information. 1941-1943. |
| Box 11, Folder 1 | Approved budgets for all CES departments for the 1941-1942 and 1942-1943 fiscal years. Includes salary information. 1941-1943. |
| Box 11, Folder 2 | Recommended CES budget for the 1943-1944 fiscal year. Includes salary information. 1943-1944. |
| Box 11, Folder 3 | Approved budgets for all CES departments for the 1943-1944 and 1944-1945 fiscal years. Includes salary information. 1943-1945. |
| Box 11, Folder 4 | Recommendations for a supplementary post-war budget for CES. July 1944. |
| Box 11, Folder 5 | Recommended CES budget for the 1944-1945 fiscal year. Includes salary information. 1943-1945. |
| Box 11, Folder 7 | Recommended CES budget for the biennium 1945-1947 oriental fruit moth investigations. Includes salary information. 1944-1947. |
| Box 11, Folder 8 | Recommended CES budget for the 1946-1947 fiscal year. Includes salary information. 1946-1947. |
| Box 12, Folder 1 | Approved budgets for all CES departments for the 1945-1946 and 1946-1947 fiscal years. Includes salary information. 1945-1947. |
| Box 12, Folder 2 | Recommended CES budget for the 1947-1948 fiscal year. Includes biographical data and salary information. 1947-1948. |
| Box 12, Folder 4 | Approved budget for all CES departments for the 1947-1948 fiscal year. Includes salary information. 1947-1948. |
| Box 12, Folder 5 | Recommended CES budget for the 1948-1949 fiscal year. Includes state budget requests. 1948-1949. |
| Box 13, Folder 1 | Recommended CES budget for the 1949-1950 fiscal year. Includes state budget requests, biographical data, and salary information. 1948-1950. |
| Box 13, Folder 3 | Recommended CES budget for the 1950-1951 fiscal year. Includes state budget requests and salary information. 1949-1951. |
| Box 13, Folder 4 | Approved budget for all departments within CES for the 1950-1951 fiscal year. Includes salary information. 1950-1951. |
| Box 13, Folder 5 | Recommended CES budget I for the 1951-1952 fiscal year. Includes state budget requests and salary information. 1950-1952. |
| Box 13, Folder 6 | Recommended CES budget II for the 1951-1952 fiscal year. Includes salary information. 1950-1952. |
| Box 14, Folder 1 | Approved budget for all CES departments for the 1951-1952 fiscal year. Includes salary information. 1951-1952. |
| Box 14, Folder 2 | State budget requests for the CES research division for the 1952-1953 fiscal year. Includes salary information. 1951-1953. |
| Box 14, Folder 3 | Recommended CES budget for the 1952-1953 fiscal year. Includes salary information. 1951-1953. |
| Box 14, Folder 5 | Correspondence and notices to the heads of divisions regarding budgets, annual reports, and research projects of CES. Includes meeting minutes. 1920-1921. |
| Box 16, Folder 2 | Checkbook for CES documenting payroll, equipment, and other various expenses (photocopy). Contains one check. August 11, 1868-June 1, 1870. |
| Box 16, Folder 3 | Invoices and certificates of deposit for the CES account. 1944. |
| Box 16, Folder 5 | Requisitions for CES purchases with balances outstanding for the 1913-1914 fiscal year (mimeograph copies). 1913-1914. |
| Box 17, Folder 1-3 | Requisitions and correspondence for CES equipment purchases. 1935-1941. |
| Box 17, Folder 4 | Certificates of deposit and invoices for the CES account. 1943-1944. |
| Box 18, Folder 4 | Proposal by CES staff members for a graduate program in plant biochemistry. circa 1960. |
| Box 19, Folder 3 | Report entitled The Citrus Industry in California as prepared by the Division of Curriculum, Los Angeles County Schools. 1936. |
| Box 29, Folder 6 | Program for a one-day soil management extension school for farmers and fruit growers of Coachella Valley. December 5, 1935. |

Sub-series Scope and Content Summary
This sub-series contains correspondence, reports, notes, and other material pertaining to the installation of equipment and the construction of Citrus Experiment Station (CES) buildings and facilities. The bulk of the correspondence and notes relate to topographical surveys of prospective CES laboratory sites in Southern California. Select faculty papers and correspondence regarding CES facilities issues are also included.

For all other records concerning faculty papers, please consult Series 2, Faculty papers.
For additional blueprints and topographical surveys, please consult Series 10, Maps, site drawings, and other oversize material.

Sub-series Arrangement
This sub-series is arranged sequentially by box and folder number.

Box 1, Folder 6
Application for electric power service for CES. 1916.

Box 1, Folder 8
Notes from a consultation with Dean Hunt at UC Berkeley regarding a building program. August 1-2, 1917.

Box 2, Folder 6
Report and accompanying map by Herbert B. Foster regarding water rights and water resources for CES (four copies, one with correspondence). 1931, 1954-1955.

Box 2, Folder 11
Correspondence, deeds, and agreements regarding the purchase and development of the water supply system for CES; Chart regarding water usage. 1912-1932.

Box 2, Folder 12

Box 3, Folder 1-2
Report to the Regents of the University of California on the Water Supply for the Citrus Experiment Station Riverside County, California June 20, 1933 by Paul Bailey (three copies). Includes a list of total water usage for the years 1933-1937, topographical maps, and graphs. 1933-1937.

Box 3, Folder 3

Box 3, Folder 7
Correspondence regarding research, finances, and construction of CES. 1927-1940.

Box 3, Folder 11
Correspondence between W.D. Drew and Rhoda Ostrowski regarding a Fullerton property belonging to Mrs. Ostrowski. 1928-1929.
| Box 4, Folder 1 | Correspondence of W.D. Drew regarding equipment and construction at CES. Includes blueprints of proposed vault equipment. 1929. |
| Box 4, Folder 13 | Correspondence and notes of H.J. Webber, J.T. Barrett, and Ralph Merritt regarding CES water supply and irrigation systems. 1915-1920. |
| Box 5, Folder 18 | Notes and brochure regarding topographical surveys located at the Fairview Farms tract in Newport Beach, California. 1914, undated. |
| Box 5, Folder 19 | Correspondence, maps, and notes regarding topographical surveys in Altadena and Pasadena, California for CES laboratories. 1913-1914, undated. |
| Box 5, Folder 20 | Reports, notes, and correspondence regarding topographical surveys in Pasadena, California for CES laboratories. 1913, undated. |
| Box 6, Folder 1-2 | Correspondence, propositions, and notes regarding topographical surveys in Redlands, California for CES laboratories. 1913. |
| Box 6, Folder 3 | Correspondence, maps, and a proposal regarding the purchase of land from the Fontana Company in Fontana, California for CES laboratories. 1913-1914, undated. |
| Box 6, Folder 4-5 | Topographical surveys and brochures regarding the purchase of land in Pomona, California for CES laboratories. 1913, undated. |
| Box 6, Folder 6 | Report, map, and notes regarding topographical surveys in Corona, California for CES laboratories. circa 1914, undated. |
| Box 6, Folder 7 | Report and notes regarding the purchase of land in San Fernando and Monrovia, California for CES laboratories. undated. |
| Box 6, Folder 8 | Correspondence and notes regarding topographical surveys in Ventura and Glendora, California for CES laboratories. 1913. |
| Box 6, Folder 9 | Correspondence regarding topographical surveys in San Ysidro and Alta Loma, California for CES laboratories. 1913-1914. |
| Box 6, Folder 10 | Notes and maps regarding topographical surveys in Wineville, Terra Bella, and Escondido, California for CES laboratories. 1913, undated. |
| Box 6, Folder 11 | Correspondence and notes regarding the purchase of land in Huntington Beach and Buena Park, California for CES laboratories. 1913, undated. |
| Box 6, Folder 12 | Correspondence and notes regarding topographical surveys in Orange, Santa Ana, and Anaheim, California for CES laboratories. 1913, undated. |
| Box 6, Folder 13-14 | Correspondence, report, and notes regarding topographical surveys in Riverside, California for CES laboratories. 1913, undated. |
| Box 6, Folder 15 | Correspondence and notes regarding topographical surveys in Whittier, California for CES laboratories. 1913, undated. |
| Box 6, Folder 16 | Correspondence and notes regarding topographical surveys in Covina, California for CES laboratories. 1913, undated. |
| Box 6, Folder 17 | Notes regarding topographical surveys in San Dimas, California for CES laboratories. 1913, undated. |
| Box 6, Folder 18 | Notes regarding topographical surveys in Claremont, California for CES laboratories. undated. |
| Box 6, Folder 19 | Correspondence and notes regarding topographical surveys in San Bernardino, California for CES laboratories. 1913, undated. |
| Box 6, Folder 20 | Correspondence and notes regarding topographical surveys in Yorba Linda, California for CES laboratories. 1913. |
| Box 6, Folder 21 | Correspondence and notes regarding topographical surveys in Cucamonga and Ontario, California for CES laboratories. 1913, undated. |
| Box 6, Folder 22 | Correspondence, map, and notes regarding topographical surveys in Upland, California for CES laboratories. 1913, undated. |
| Box 6, Folder 23 | Correspondence and documents recommending that the division of citriculture and subtropical horticulture be moved from Berkeley to Southern California. Includes investigations of prospective site locations. 1913-1932. |
| Box 6, Folder 24 | Reports and surveys for proposed experiment station sites in Fullerton and Beverly Hills, California. circa 1914-1925. |
| Box 7, Folder 4 | Correspondence of E.E. Thomas regarding equipment for the Southern California Pathological Laboratory. 1911-1912. |
| Box 8, Folder 5 | Report entitled Agreement, Bonds, General Conditions and General Specifications for the Chemical Building for the Citrus Experiment Station by G. Stanley Wilson (E.E. Thomas' copy). May 24, 1930. |
| Box 8, Folder 6 | Report entitled Agreement, Bonds, General Conditions, General Specifications, and Itemized List of Laboratory Equipment and Furniture for Chemical Building, Citrus Experiment Station. Prepared by the Department of Grounds and Building at the University of California, Berkeley, California. Includes blueprints (E.E. Thomas' copy). June 1930. |
| Box 8, Folder 7 | Blueprints of standard furniture and equipment designs for the CES chemical building. 1929-1930. |
| Box 8, Folder 8 | Report entitled Agreement, Bonds, General Conditions, and General Specifications for the Installation of Window Shades, Venetian Blinds, and Awnings in the Chemical Building, Citrus Experiment Station. Prepared by the Department of Grounds and Building at the University of California, Berkeley, California (E.E. Thomas' copy). January 20, 1931. |
| Box 8, Folder 9 | Report entitled General Conditions, General Specifications, Agreement Forms, and Bond Forms for the Installation of the Plumbing and Heating Equipment and the Electric Equipment in the Chemical Building and Insectary and for the Services of the Citrus Experiment Station. Prepared by Hunter and Hudson, consulting engineers (E.E. Thomas' copy). undated. |
| Box 15, Folder 2-3 | Papers of the CES building committee. Includes correspondence, memorandums, meeting agendas, notes, and reports. 1943-1948. |
| Box 19, Folder 9 | Plan for a conservation farm at CES and the San Jacinto Basin soil conservation district. 1954. |

**Libraries. Sub-series 1.4. 1912-1966, undated.**

**Sub-series Scope and Content Summary**

This sub-series contains correspondence, reports, bibliographies, articles, and other material regarding the Citrus Experiment Station (CES) library's holdings, policies, and recent acquisitions. Memorandums addressed to librarian Margaret Buvens pertain to financial and daily operation of the CES. Bibliographies regarding holdings in the Southern California Pathological Laboratory and the San Bernardino Free Public Library are also included.

**Sub-series Arrangement**

This sub-series is arranged sequentially by box and folder number.

| Box 4, Folder 2 | Memorandums addressed to librarian Margaret Buvens regarding various financial and daily operations of CES. Includes a report regarding the research of soils. 1932-1953. |
| Box 4, Folder 3 | Report regarding the separation of materials between the bio-agricultural and science libraries at UC Riverside. Includes correspondence. 1965-1966. |
| Box 4, Folder 4 | Correspondence regarding the classification systems used by the CES library. 1920-1957. |
| Box 4, Folder 5 | Correspondence, reports, and articles regarding the history of the CES library. 1930-1957. |
| Box 4, Folder 6 | Correspondence regarding the Works Progress Administration Library Assistance Project. 1935-1936. |
| Box 4, Folder 7 | Correspondence regarding journal subscriptions and the acquisition of rare books for the CES library. 1934-1948. |
| Box 4, Folder 8 | Annual reports of the CES library. 1917, 1923-1969. |
| Box 4, Folder 9 | Reports and correspondence regarding gifts and donations to the CES library. 1955-1957, undated. |
| Box 4, Folder 10 | Memorandums and reports regarding the CES library building program. 1952-1960. |
| Box 4, Folder 11 | Minutes, summaries, and correspondence of the CES library committee. 1954-1962. |
Box 4, Folder 12

Box 5, Folder 1
Notebook regarding the acquisition of entomological materials for the CES library. Includes correspondence regarding the Zimmerman collection. 1962-1963.

Box 5, Folder 2
Procedure for the annual check of department libraries at UC Riverside (two copies). 1933.

Box 5, Folder 3

Box 5, Folder 4
Classification survey instructions (two copies) and revised nonacademic personnel pay plan for UC Riverside. Includes library class titles and compensation. 1941-1952.

Box 5, Folder 5
Shelf list of books in the Southern California Pathological Laboratory library. circa 1912.

Box 5, Folder 6
Bibliographies of citrus, walnut, date palm, and alkali soils publications located in the CES library. circa 1930-1944.

Box 5, Folder 9
List of arid zone publications in the life sciences that CES does not own (University Librarian's copy). 1950-1966.

Box 22, Folder 5
Bibliography compiled by the San Bernardino Free Public Library entitled Citrus Fruits and Their Culture. February 1913.

Box 29, Folder 8
**Publications. Sub-series 1.6. 1908-1964, undated.**

**Sub-series Scope and Content Summary**
This sub-series contains bulletins, newsletters, memorandums, policies, tables, graphs, and card indexes pertaining to Citrus Experiment Station (CES) publications and the editorial office. Topics include citrus research and culture in California and pest control. Card indexes document the Citrus Research Center and Agricultural Experiment Station (CRC-AES) published papers. Issues of *California Agriculture* include articles by CES faculty. Histograms, graphs, scatter plots, and other sections within circulars and bulletins from the University of California Agricultural Experiment Station as well as issues of *Hilgardia*, do not have specific titles. Publications of the University of California College Of Agriculture, the California Alumni Association, and the California Agricultural Experiment Station are also included.

**Sub-series Arrangement**
This sub-series is arranged sequentially by box and folder number.

| Box 18, Folder 7 | Memorandums to W.F. Calkins regarding the editing of articles published in CES journals. 1946-1957. |
| Box 19, Folder 15 | Newsletters of the Department of Horticultural Science at the UC Citrus Research Center and Agricultural Experiment Station regarding plant growth. 1962-1963. |
| Box 24, Folder 1 | Bulletins entitled *Publications of the Citrus Experiment Station*. Includes volumes 27-59. 1950-1964. |
| Box 24, Folder 3 | Circulars and bulletins published by the University of California College of Agriculture regarding citrus growing and culture in California, and CES and the Southern California Pathological Laboratory. 1908-1953. |
| Box 24, Folder 4 | Reprint of *California Monthly* regarding the University of California Riverside campus. Includes original issue cover. 1947-1953. |
| Box 25, Folder 1 | Articles from the *California Agricultural Experiment Station* regarding weed control and root rot (reprints). 1944. |
| Box 25, Folder 16 | CES newsletters regarding the use of insecticides, pesticides, biological control, and other methods of pest control found in citrus fruits. 1924-1962. |
| Box 27, Folder 7 | List of CES published papers. undated. |
| Box 29, Folder 2-4 | Correspondence and other material of the CES editorial office regarding policies and procedures for manuscript publication. 1935-1960, undated. |
| Box 63, Folder 6 | *California Agriculture* Vol. 6, issues 1-12. Includes articles written by CES faculty. January-December 1952. |
| Box 63, Folder 10 | *California Agriculture* Vol. 10, issues 1-2 and 4-12. Includes articles written by CES faculty. January-December 1956. |
| Box 64, Folder 1 | *California Agriculture* Vol. 11, issues 1-12. Includes articles written by CES faculty. January-December 1957. |
| Box 64, Folder 3 | *California Agriculture* Vol. 13, issues 1, 3, 4, 6, and 7. Includes articles written by CES faculty. January-December 1959. |
| Box 64, Folder 4-5 | Tables from articles in *Hilgardia* Vols. 19-23. March 1949-January 1951. |
| Box 64, Folder 6-7 | Charts, figures, and plates from articles in *Hilgardia* Vols. 21-23. Includes notes regarding citations and references to table figures. May 1951-May 1955. |
| Box 64, Folder 8 | Graphs from California Agricultural Experiment Station bulletins 513-715. Includes notes regarding how to properly create graphs for publications. circa 1930-December 1949. |
| Box 64, Folder 9 | Scatter plots from articles in *Hilgardia* Vols. 12-19, and the University of California Agricultural Experiment Station Bulletins 643 and 693. March 1939-October 1945. |
| Box 65, Folder 1 | Bar graphs from articles in *Hilgardia* Vols. 12-19, University of California Agricultural Experiment Station bulletins 510-704, and University of California Agricultural Experiment Station circulars 128 and 366-394. January 1939-October 1949. |
| Box 65, Folder 2 | Documents regarding the University of California College of Agriculture’s agricultural bulletins, circulars, newsletters, *Hilgardia*, and other publications. Includes a publications office report and correspondence. October 1943-October 1956. |
| Box 65, Folder 3-4 | Layouts for publications of University of California College of Agriculture bulletins, circulars, and *Hilgardia*. January 1938-April 1949. |
| Box 65, Folder 7 | USDA bibliographical bulletin No. 12 entitled *List of Serials Currently Received in the Library of the United States Department of Agriculture* (editorial office copy). 1949. |
| Box 66-68 | Card index for CES published papers (chronological by date of publication), CRC-AES published papers (chronological by date of publication and alphabetical A-E, O-Z), and scientific journals (alphabetical by author). circa 1923-1969. |

**Research. Sub-series 1.7. 1915-1975, undated.**

**Sub-series Scope and Content Summary**

This sub-series contains reports, dissertations, articles, and other material regarding research programs and experiments conducted by the Citrus Experiment Station (CES) and the Department of Subtropical Agriculture. Topics include plant physiology, pest control, and the growth, production, and diseases of citrus, avocado, and other crops. Reports created in conjunction with the Agricultural Extension Service and the United States Department of Agriculture are also included.

**Sub-series Arrangement**

This sub-series is arranged sequentially by box and folder number.

| Box 2, Folder 10 | Contract between Orange Tortrix Control Association and the Regents of the University of California regarding the investigation of orange tortix insects. December 12, 1923. |
| Box 14, Folder 4 | Summaries regarding activities and projects within CES for annual reports. 1920-1925. |
| Box 14, Folder 10 | Reports and correspondence regarding a five-year research plan for CES. 1920-1923, undated. |
| Box 15, Folder 1 | Progress report and partial list of research work on citrus, walnuts, dates, avocados, and other crops. Includes a report on the progress of research and extension of CES investigations. 1945-1947. |
| Box 15, Folder 5 | Report entitled *Research Program of the Experiment Station*. Circulated to academic staff with brief notes (bound). 1950-1951. |
Box 16, Folder 1  
Report of Committee Appointed to Consider the Field of Experiments to be Carried on by the Division of Subtropical Horticulture at the Citrus Experiment Station. circa 1928.

Box 18, Folder 5  
Summaries of dissertations submitted for the degree of Doctor of Philosophy at the Graduate School of Tropical Agriculture and Citrus Experiment Station. 1915-1942.

Box 19, Folder 5  

Box 19, Folder 10  
Report outlining the research programs of CES and the department of subtropical horticulture. 1936.

Box 19, Folder 12  
Reports prepared for citrus research advisory committee meetings regarding citrus research programs at CES. 1961-1975.

Box 19, Folder 14  
Report suggesting improvements for the publicity of research conducted by CES and the Agricultural Extension Service at UC Riverside. 1951.

Box 19, Folder 16  

Box 20, Folder 10  
Articles, reports, and notes on avocado growth, research, and experiments by CES, the California Avocado Society, and Edward C. Koch. 1915-1972.

Box 20, Folder 13  
Press releases regarding CES research and events. 1951-1952.

Box 24, Folder 22  
Reports prepared for the Agricultural Extension Service in conjunction with CES regarding citrus diseases and pest control. 1932-1936, undated.

Box 26, Folder 7  
Annual summaries of the Riverside County Date Enterprise Efficiency Study. Compiled by the Agricultural Extension Service at the University of California. 1934-1939.

Box 27, Folder 3  
Report prepared by the Citrus Steering Committee regarding recommendations for the joint USDA-ARS-UC-AES program in citrus production research. 1976.

Box 27, Folder 4  

Box 43  
Laboratory equipment pertaining to CES. Includes test tubes, glass pipette, and other material. undated.

Box 49  

Box 49  
Micrometer used to apply insecticides on insects in toxicity studies. undated.

Box 65, Folder 5-6  
Reports on research conducted by faculty of the division of Entomology. 1938-1951.

Series 2. Faculty papers. 1873-1971, undated.

Series Scope and Content Summary
This series contains correspondence, typescripts, reprints, reports, and other material created, collected, or received by Citrus Experiment Station (CES) faculty, research associates, and staff members. Topics include citrus, fig, date palm, and avocado research, citrus diseases, pest control, global citrus production, economic uses of citrus, and other subject areas. The papers of original CES staff member E.E. Thomas are also included.

For additional faculty papers concerning administrative matters, please consult Series 1, Administrative records.

Series Arrangement
This series is arranged sequentially by box and folder number.

Box 1, Folder 14  
Article written by Dr. Leon D. Batchelor for California Monthly regarding the Riverside campus; Correspondence, notes, and typewritten essays regarding plant physiology and entomology; Issue of The California Campus (March 17-27, 1947) which includes an article on subtropical research (two copies). 1946-1947.

Box 1, Folder 16  
Articles, clippings, and press releases regarding CES faculty members Robert L Metcalf and Walton B. Sinclair. Includes information regarding the retirement of Dr. A.M. Boyce and Dr. Homer D. Chapman. 1960-1969.

Box 2, Folder 9  
Obituaries of CES faculty members. 1923, 1943-1946.

Box 3, Folder 4  
Correspondence, receipts, telegrams, postcards, and clippings created or received by Dr. Walter P. Kelley. 1915-1937.
<table>
<thead>
<tr>
<th>Box, Folder</th>
<th>Description</th>
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<tbody>
<tr>
<td>3, Folder 6</td>
<td>Correspondence from H. Towers Bigelow to A.D. Shamel regarding x-ray action on plants. March 30, 1926.</td>
</tr>
<tr>
<td>5, Folder 7</td>
<td>Bibliographies of publications, papers, and reprints written by CES staff members. 1916-1965, undated.</td>
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<tr>
<td>7, Folder 2</td>
<td>Correspondence of Dr. H.B. Frost regarding citrus research and horticultural terminology. Includes an article entitled <em>Polyembryony, Heterozygosis, and Chimeras in Citrus</em> from <em>Hilgardia</em>, Vol. 1, No. 16. 1921-1951.</td>
</tr>
<tr>
<td>7, Folder 3</td>
<td>Correspondence, notes, and reports created or received by E.E. Thomas regarding CES experiments in soil analyses and chemistry, and the prevention of brown rot. Includes an index to soil analyses for the CES reports for 1877-1904. 1877-1914, undated.</td>
</tr>
<tr>
<td>7, Folder 6</td>
<td>Correspondence of E.E. Thomas regarding Synapsis Club meetings, expenditures, and samples used for experimentation for the Southern California Pathological Laboratory. 1910-1916.</td>
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<tr>
<td>7, Folder 7</td>
<td>Correspondence of E.E. Thomas regarding experiments of citrus trees. Includes a list of county horticulture commissioners of California. 1911-1915.</td>
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<tr>
<td>7, Folder 8</td>
<td>Correspondence of E.E. Thomas regarding expense accounts and official titles. 1914-1916.</td>
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<tr>
<td>7, Folder 9</td>
<td>Correspondence of E.E. Thomas regarding experiments and maintenance of citrus trees. 1912-1916.</td>
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<td>7, Folder 10</td>
<td>Correspondence of E.E. Thomas regarding traveling expenses. Includes a personal biography. 1910-1914.</td>
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<td>7, Folder 11</td>
<td>Correspondence of E.E. Thomas regarding the Western American Phytopathological Society, and expense accounts and experiments of the Southern California Pathological Laboratory. 1910-1916.</td>
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<td>7, Folder 12</td>
<td>Correspondence of E.E. Thomas regarding expense accounts and citrus nematode. 1913-1916.</td>
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<td>7, Folder 13</td>
<td>Correspondence of E.E. Thomas regarding soil samples and analyses, and citrus experiments. 1910-1916.</td>
</tr>
<tr>
<td>7, Folder 14</td>
<td>Correspondence between E.E. Thomas and J.H. Norton regarding soil samples and analyses, and citrus research. 1909-1911.</td>
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<td>7, Folder 15</td>
<td>Correspondence between E.E. Thomas and J.B. Neff regarding citrus and walnut tree research. 1911-1913.</td>
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<td>7, Folder 16-17</td>
<td>Correspondence of E.E. Thomas regarding soil samples and analyses, and citrus diseases. 1910-1916.</td>
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<tr>
<td>7, Folder 18</td>
<td>Correspondence of E.E. Thomas regarding soil analyses, field experiments, and extension school programs. 1911-1916, undated.</td>
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<tr>
<td>7, Folder 19</td>
<td>Correspondence of E.E. Thomas regarding expense accounts and supplies for the Southern California Pathological Laboratory, and soil analyses and citrus diseases. 1911-1916.</td>
</tr>
<tr>
<td>7, Folder 20</td>
<td>Correspondence between J.H. Thomas and the Nuevo Cemetery Association regarding the reorganization of the Association. June 24, 1914.</td>
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<tr>
<td>7, Folder 21</td>
<td>Correspondence of E.E. Thomas regarding expense accounts and analyses of irrigation systems and soil samples. 1917-1918.</td>
</tr>
<tr>
<td>8, Folder 1</td>
<td>Correspondence of E.E. Thomas regarding soil analyses, water irrigation, and citrus diseases. 1917-1918.</td>
</tr>
<tr>
<td>8, Folder 2</td>
<td>Correspondence, notes, and articles regarding E.E. Thomas's research on agriculture, citrus nematodes, and citrus diseases. 1911-1915, 1979.</td>
</tr>
<tr>
<td>8, Folder 10</td>
<td>Article entitled <em>California Citrus Packinghouse Practices, 1910-1914</em> by L.J. Klotz (typescript); Handwritten notes on <em>A History of Citrus in the Riverside Area</em> by Esther Klotz (photocopy). undated.</td>
</tr>
<tr>
<td>17, Folder 6</td>
<td>Transcript of an interview with William Henry Chandler regarding his life. 1968.</td>
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</tbody>
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Box 19, Folder 4  
1957.

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Box 19, Folder 19  
Articles entitled Observations of Citrus Diseases in China (typescript), Studies of Rapid Decline of Citrus in China (typescript), and Convex Gum, A New Disease of Citrus in China by Lin Kung-Hsiang (reprint). Includes correspondence and editorial comments. 1942-1952.

Box 19, Folder 20  
Correspondence and photographs of Lin Kung-Hsiang regarding citrus diseases, travel, family life, and other matters. 1941-1948.

Box 19, Folder 23  
Reports by CES faculty members regarding research on irrigation, soils, citrus diseases, and air pollutants. 1932-1942, undated.

Box 19, Folder 24  

Box 20, Folder 2  

Box 20, Folder 5  

Box 20, Folder 6  
Correspondence, articles, and typescripts on subtropical agriculture crops, and other material created or received by Robert W. Hodgson. 1908-1944, undated.

Box 20, Folder 7  
Papers and correspondence of Gustav Eisen regarding figs. Received by Dr. I.J. Condit from Ernest Braunton. Turned over to the library on November 17, 1942. 1873-1942.

Box 21, Folder 4  
Article entitled 1873-Washington Navel Orange Came to Riverside by C.S. Pomeroy. undated.

Box 21, Folder 7  

Box 21, Folder 12  
Articles regarding the parthenocarpy of citrus fruits (typescripts). Translated from Japanese to English by R.W. Hodgson. 1904-1910, 1940.

Box 21, Folder 13  
Report entitled The Orange Industry in Spain by M. Von Der Hoek (H.J. Webber's copy). 1927.

Box 22, Folder 6  

Box 23, Folder 8  

Box 23, Folder 10  
Articles and clippings regarding the research and growth of peaches, avocados, guavas and chestnuts, and the CES by M.M. Winslow and associates. 1949-1961.

Box 24, Folder 5  

Box 24, Folder 8  

Box 24, Folder 9  
Citriculture lecture by Professor G.W. Groff (typescript). December 3, 1933.

Box 24, Folder 17  

Box 24, Folder 21  
Reports written by J.C. Johnston regarding citrus irrigation and citrus tree pruning. 1945.

Box 24, Folder 18  

Box 24, Folder 19  

Box 24, Folder 23  
| Box 25, Folder 4 | Literature review written by Irving L. Eaks regarding the degreening of citrus fruits. July 1955. |
| Box 25, Folder 11 | Notes and descriptions regarding the North American Syrphidae by Paul R. Jones (handwritten). circa 1891-1903. |
| Box 25, Folder 13 | Notes and correspondence created or received by R.L. Metcalf regarding pesticides, insecticides, and food production. Includes a report by R.G. Strong entitled *A Study to Determine the Influence of the Type of Formulations Used in Protective Sprays for Stored Wheat When Applied as Solutions, Emulsions, or Wettable Powders*. 1959-1961. |
| Box 25, Folder 15 | Typescript entitled *Studies of the Biology of the Citrus Red Mite Paratetranychus citri McGregor* (author unknown). Received from Dr. Lee Jeppson. circa 1938-1945. |
| Box 25, Folder 17 | Correspondence from A.M. Boyce regarding a Citrus Research Advisory report on citrus growing and diseases. February 9, 1962. |
| Box 26, Folder 4 | Annual reports issued by the date advisory board in Indio, California regarding marketing orders for date fruit (J.R. Furr's copy). 1947-1950. |
| Box 26, Folder 5 | Report entitled *Some Economic Aspects of the California Date Industry* prepared by the Agricultural Extension Service at the University of California (two copies). March 1941. |
| Box 26, Folder 11 | Reports and papers regarding diseases of date palms by Donald E. Bliss (includes reprints). 1938-1940, undated. |
| Box 27, Folder 8 | Typescripts of published papers written by CES staff. 1937-1946, undated. |
| Box 29, Folder 7 | Correspondence between W.P. Bitters and Art Jones regarding exocortis, necrosis, and chlorosis in oranges. 1956. |
| Box 42, Folder 16 | Press release and article regarding a UC publication entitled *Leaf and Soil Analysis in Citrus Orchards* by Homer D. Chapman. April 1960. |
| Box 42, Folder 5 | Term paper entitled *Anatomy and Histology of the Digestive System of the Phenacoccus gossypii, Towns. and Ckll. with Special Reference to the Morphology of the Filter Chamber* by Paul DeBach. undated. |
| Box 48, Folder 7 | Thesis entitled *Pollination of Cherimoyas in California* by E.C. Raby under the joint direction of W.T. Horne and H.S. Reed. October 1931. |

Series Scope and Content Summary
This series contains reprints, typescripts, reports, and other material pertaining to the citrus industry. Topics include global production and marketing of citrus and avocado crops, citrus diseases, citrus physiology, soil management, frost protection, entomology, and the history of citrus and avocado industries in California, including the introduction of the first Washington Navel Orange tree to Riverside.

Series Arrangement
This series is arranged sequentially by box and folder number.

Box 5, Folder 8

Box 5, Folder 10
Programs, meeting minutes, and bylaws of the California Citrus Institute. 1913-1955.

Box 8, Folder 3
Clippings from Scientific American, Pittsburgh Gazette Times, and Journal of the American Medical Association regarding the use of radium in agriculture. 1913-1914.

Box 17, Folder 5
Interview with Byron O. Clark at Los Altos, April 13, 1928 regarding the history of Valencia orange trees. 1928.

Box 17, Folder 7
Program of the conference on citrus virus diseases (three copies). November 18-22, 1957.

Box 18, Folder 1
Diary regarding carob and jojoba history. 1948-1958.

Box 18, Folder 3

Box 18, Folder 6
Letter regarding entomology and plant quarantine from the U.S. Department of Agriculture's Agricultural Research Administration. August 22, 1945.

Box 18, Folder 8
Label for orange pulp manufactured for the California fruit growers exchange. undated.

Box 18, Folder 9
Leaflet containing instructions for citrus fruit picking and handling. undated.

Box 18, Folder 11
Report from the Whittier Laboratory on the damage to citrus fruits caused by the freeze of January 6, 1913. 1913.

Box 19, Folder 2
Citizens National Trust and Savings Bank calendar featuring an illustration of CES. 1935.

Box 19, Folder 7

Box 19, Folder 11

Box 19, Folder 13
Articles and reports on weed control research for citrus and avocado orchards. 1963, undated.

Box 19, Folder 17

Box 19, Folder 18
Correspondence and report regarding a plan for the Agricultural Extension Service to organize a volunteer state militia for California. May 1942.

Box 19, Folder 21
Letter from Captain David Porter regarding the use of lemons as a staple ration for American sailors (facsimile). 1811.

Box 19, Folder 22
List of the San Bernardino County horticultural commissioner's fumigation rules. undated.

Box 19, Folder 25

Box 19, Folder 26
The Fig of Commerce, Its Culture and Curing and a Descriptive Catalogue of all Its Known Varieties by Gustav Eisen from Rural Californian, Vol. 11 (reprint). 1888.

Note
For correspondence and papers regarding Gustav Eisen please consult Series 2, Faculty papers: Box 20, Folder 7.

Box 20, Folder 1
Report entitled Studies of the Biology of Encyrtus infelix (Embleton), (Hymenoptera, Encyrtidae), a Parasite of Saissetia hemisphaerica (Targioni), (Homoptera, Coccidae) by Thomas Wiley Sering (typescript). circa 1933.

Box 20, Folder 3
Report entitled A Wilt Disease Attacks the American Persimmon by R. Kent Beattie and Bowen S. Crandall (copyedited typescript). Includes photographs. 1939.
Box 20, Folder 4  J. Harrison Wright index on palms (typescript). 1921.
Box 20, Folder 8  Notes, descriptions, and observations of avocado varieties located in California and Mexico. 1936-1940.
Box 20, Folder 9  Typescript entitled Sales Methods and Policies of the Calavo Growers of California by E.A. Stokdyk (copyedited typescript). circa 1932.
Box 21, Folder 1  Index regarding a serials subject search on avocados. 1979.
Box 21, Folder 2  Articles regarding the history of avocados and avocado production in Florida (typescripts). 1944-1967.
Box 21, Folder 3  Program of the 5th semiannual meeting of the California Avocado Association (two copies). October 26-27, 1917.
Box 21, Folder 5  Correspondence, clippings, and essays regarding the introduction of the Washington navel orange tree to Riverside, California. 1873-1944, undated.
Box 21, Folder 6  Remarks of Hon. William Kettner of California in the House of Representatives from the Washington Navel Orange Anniversary Celebration. Published in the Congressional Record. September 8, 1914.
Box 21, Folder 8  Reports by the United States Department of Agriculture Bureau of Agricultural Economics regarding news on citrus fruit outside of the United States. 1925-1929.
Box 21, Folder 9  Reports regarding resolutions of matters discussed at the western plant quarantine board meetings. 1936-1938.
Box 21, Folder 10  Articles regarding gummosis of citrus (typescripts). 1910-1911.
Box 21, Folder 14  Article entitled The Tomato Seedbed for the Late Fall Crop by J.W. Lesley (typescript). May 1924.
Box 21, Folder 15  Reports, pamphlets, and other material regarding the production, marketing, and economics of growing citrus fruit (includes typescripts). 1907-1986, undated.
Box 21, Folder 16-17  Articles and papers regarding citrus diseases. Includes photocopies, reprints, and typescripts. 1900-1977.
Box 21, Folder 18  Articles regarding acid content within citrus fruits (one reprint and one typescript). 1931.
Box 22, Folder 1  Articles and papers regarding mineral deficiencies and vitamin and oil content within citrus fruits (includes reprints and typescripts). 1931-1944.
Box 22, Folder 2  Articles and reports regarding growth, research, and diseases of lemons (reprints and typescripts). Includes an article by L.D. Batchelor. 1895-1943.
Box 22, Folder 4  Opening remarks of a meeting conducted by Robbins Russel regarding Real Gold citrus products. June 28, 1950.
Box 22, Folder 8  Color charts from the Florida Citrus Commission entitled Citrus Insects, Diseases, and Deficiencies. 1946, 1952.
Box 22, Folder 9  Articles and reports regarding experiments and investigations of citrus fruits (includes reprints and typescripts). 1932-1959.
Box 22, Folder 10-11  Articles regarding the physiology and morphology of citrus fruits (includes reprints and typescripts). 1908-1963.
Box 22, Folder 12  Articles and reports regarding studies of citrus varieties and citrus culture in India, the Azores, and Italy (includes reprints and typescripts). 1877-1957, undated.
Box 22, Folder 13  Articles and reports regarding studies of citrus varieties and citrus culture in China and Australia (includes reprints and typescripts). 1890-1935, undated.
Box 22, Folder 14  Articles and reports regarding studies of citrus varieties and citrus culture in Africa, Egypt, Southern Iran, and Brazil (includes reprints and typescripts). 1904-1973.
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<tr>
<th>Box 22, Folder 15</th>
<th>Articles regarding the fertilization of citrus trees and citrus seedlings (reprint). Includes one report entitled <em>Soil Mix and Fertilizer Program Used for Citrus</em> by Paul W. Moore (typescript). 1890-1959, undated.</th>
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<td>Box 23, Folder 1</td>
<td>Articles regarding the history of the citrus industry in Florida and California (includes reprints). 1925-1945.</td>
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<tr>
<td>Box 23, Folder 2</td>
<td>Articles and papers regarding citrus origins, growth, and variations (includes photocopies, reprints, and typescripts). 1888-1963.</td>
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<td>Box 23, Folder 3</td>
<td>Articles by Antonio Milella regarding the growth and maintenance of citrus (reprints). 1963-1968.</td>
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<td>Box 23, Folder 4</td>
<td>Articles by P. Deidda regarding the floral biology of citrus (reprints). 1968.</td>
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<tr>
<td>Box 23, Folder 6</td>
<td>Articles regarding the industrialization and marketing of citrus fruits in the United States and Spain (one reprint and one typescript). 1949-1954.</td>
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<td>Box 23, Folder 7</td>
<td>Articles regarding the use of citrus fruits for economic and medicinal purposes (reprints). 1937-1941.</td>
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<td>Box 23, Folder 8</td>
<td>Articles regarding the storage of citrus fruits (one reprint and one typescript). 1934, 1946.</td>
</tr>
<tr>
<td>Box 23, Folder 9</td>
<td>Articles regarding irrigation systems used for growing citrus fruits (one typescript and one photocopy). 1911, 1974.</td>
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<td>Box 23, Folder 10</td>
<td>Articles regarding the use of lead arsenate, nitrate, and oil emulsion sprays on citrus fruit (reprints). Includes one report entitled <em>Insecticidal and Phytocidal Properties of Diesel Oil-Bentonite Emulsions</em> by G.T. Brown. 1931-1938.</td>
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<tr>
<td>Box 23, Folder 11</td>
<td>Articles regarding the santra orange by S.S. Bhat (reprints). 1934.</td>
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<tr>
<td>Box 23, Folder 12</td>
<td>Pamphlet regarding information about The Orangery, a Citrus Nursery located in San Jose, California. Includes a list of species and varieties of citrus. circa 1973.</td>
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<tr>
<td>Box 23, Folder 13</td>
<td>Articles regarding irrigation systems used for growing citrus fruits (one typescript and one photocopy). 1911, 1974.</td>
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<tr>
<td>Box 23, Folder 14</td>
<td>Articles regarding citrus fruit juice (includes reprints and one typescript). 1928-1955.</td>
</tr>
<tr>
<td>Box 23, Folder 15</td>
<td>Articles regarding citrus fruit juice (includes reprints and one typescript). 1928-1955.</td>
</tr>
<tr>
<td>Box 23, Folder 16</td>
<td>Articles regarding irrigation systems used for growing citrus fruits (one typescript and one photocopy). 1911, 1974.</td>
</tr>
<tr>
<td>Box 23, Folder 17</td>
<td>Articles regarding the industrialization and marketing of citrus fruits in the United States and Spain (one reprint and one typescript). 1949-1954.</td>
</tr>
<tr>
<td>Box 23, Folder 18</td>
<td>Articles regarding the use of citrus fruits for economic and medicinal purposes (reprints). 1937-1941.</td>
</tr>
<tr>
<td>Box 23, Folder 19</td>
<td>Articles regarding irrigation systems used for growing citrus fruits (one typescript and one photocopy). 1911, 1974.</td>
</tr>
<tr>
<td>Box 23, Folder 20</td>
<td>Articles regarding irrigation systems used for growing citrus fruits (one typescript and one photocopy). 1911, 1974.</td>
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Box 25, Folder 18  
Articles, reports, and brochures regarding oriental and Mediterranean fruit flies and their association with citrus fruits. 1904-1956.

Box 25, Folder 19  

Box 26, Folder 1  
Articles written by C.L. Metcalf regarding black flies and other biting flies of the Adirondack Mountains (typescript drafts). undated.

Box 26, Folder 2  
Articles, bulletins, and reports regarding parasites, mites, and insects common to citrus fruits. Includes reprints and typescripts. 1899-1988.

Box 26, Folder 3  

Box 26, Folder 8  
Pamphlet entitled *Extracts from the Agricultural Code of California Pertaining to General Provisions and Fruit, Nut, and Vegetable Standardization* published by the Department of Agriculture in California. September 15, 1945.

Box 26, Folder 9  
United States Department of Agriculture Experiment Station Records, Vol. 8, No. 1-12. 1896-1897.

Box 26, Folder 12  
Document entitled *List of Species of Cactus Growing in White's Park, Riverside, California* (two copies). Includes a list of updates and corrections by C.S. Pomeroy. September 1910-October 1933.

Box 27, Folder 1  

Box 27, Folder 2  
Lists of common and botanical names for fruits, ornamentals, and flowers and shrubs. undated.

Box 27, Folder 5  
Pamphlets regarding the cost of producing lemons and oranges in California by G. Harold Powell, secretary and manager of the Citrus Protective League of California. 1910.

Box 29, Folder 5  

Box 48, Folder 1  

Box 48, Folder 2  
Paperback book and brochure regarding citrus tree fumigation. 1934, undated.

Box 48, Folder 3  

Box 48, Folder 4  

Box 48, Folder 8  

Box 48, Folder 9  


Series Scope and Content Summary

This series contains correspondence, essays, clippings, photographs, and other material regarding the history of the Citrus Experiment Station (CES). Topics include the establishment of CES in Riverside, California, its early activities, and building dedications. Senate and assembly bills regarding the purchase of land for the organization are also included.

For additional material regarding the early history and establishment of CES, please consult Series 5, Scrapbooks.

Select materials from this series have been digitized and are available online.

🔍https://calisphere.org/collections/27141/

Series Arrangement

This series is arranged sequentially by box and folder number.

Box 1, Folder 1  
Correspondence of James J. Burgess, J.W. Mills, A.J. Drothzen, and E.W. Holmes regarding the growth and maintenance of citrus trees; Speech of John Henry Reed regarding the establishment of an experiment station in Riverside, California; Memorandum from George A. Pettitt to Edward G. Berenson regarding the establishment of CES. 1899-1901, 1953.
| Box 1, Folder 2 | Correspondence from local committees regarding the establishment of CES in Riverside, California; Clippings regarding the passage of a bill to allow for purchase of land by the regents. 1913-1914. |
| Box 1, Folder 3 | Document entitled *Preliminary Outline to Show that the Institution Should Remain at Riverside* (two copies). April 14, 1914. |
| Box 1, Folder 4 | Note submitted to the special committee of the Regents of the University of California regarding CES. May 8, 1914. |
| Box 1, Folder 5 | Document entitled *Arguments for the Establishment of such an Institute in Connection with the Citrus Experiment Station at Riverside* (two copies). circa 1916. |
| Box 1, Folder 7 | Senate and assembly bills regarding the purchase of lands for CES. circa 1915-1917. |
| Box 1, Folder 10 | Essays, articles, and press releases regarding the history of CES. 1918-1978. |
| Box 1, Folder 11 | Clippings and photographs regarding the establishment of CES (includes photocopies). 1900, 1914, undated. |
| Box 1, Folder 12 | Essays and documents regarding the history of CES and a visit to CES. undated. |
| Box 1, Folder 13 | Report on the history and activities of CES (two copies each of the 1949 and 1951 reports); Report entitled *Concerning the Accidental Death of Keith E. Hughes from Exposure to Parathion*. 1947-1953. |
| Box 1, Folder 15 | Brochure containing a map and brief history of CES (three copies). undated. |
| Box 1, Folder 17 | Clippings, invitation, and program (three copies) regarding the dedication speeches for CES held on March 27, 1918. March 1918. |
| Box 1, Folder 18 | Speeches given during the dedication of Agricultural Hall, Berkeley, California (reprint). November 20, 1912. |
| Box 1, Folder 19 | Program for the dedication of Hilgard Hall, UC Berkeley. October 13, 1917. |
| Box 1, Folder 20 | CES building dedication speeches (one original copy and three reprints). March 27, 1918. |
| Box 48, Folder 10 | Legislative bills, estimates of expenditures, and other documents brought over from the Whittier Pathological Laboratory to be retained as items regarding the development of CES (bound). 1909-1913, undated. |


**Series Scope and Content Summary**

This series is comprised of both bound and disassembled scrapbooks pertaining to the early history and establishment of the Citrus Experiment Station (CES), citrus research, the citrus industry, citrus fruit recipes, and CES faculty, events, and facilities. Scrapbooks contain memorandums, clippings, programs, and other material. Scrapbooks located in boxes 31-36 may have belonged to CES publications editor Francis Hayes, whose signature is inscribed on many of the materials within them. Clippings regarding UC Riverside faculty and the establishment of UC Riverside as a university are also included.

For additional material regarding the early history and establishment of CES, please consult Series 4, History of the Citrus Experiment Station.

**Series Arrangement**

This series is arranged sequentially by box and folder number.

| Box 28, Folder 1-73 | Clippings, photographs, correspondence, and other material regarding research, anniversaries, and achievements of CES. 1934-1957. |
| Box 29, Folder 9 | Bylaws, photographs, clippings, and other material regarding the early history and research of CES (bound). 1908-1931. |
| Box 30, Folder 1-8 | Clippings regarding citrus research, the citrus industry, and the establishment of CES. 1912-1944. |
| Box 31, Folder 1-7 | Memorandums, programs, and clippings regarding citrus diseases, developments in the citrus industry, and information regarding CES faculty, research, and events. 1914-1947. |
| Box 32, Folder 1-6 | Memorandums, programs, and clippings regarding the establishment of UC Riverside as a university, developments in the citrus industry, and information regarding CES faculty, research and events. 1947-1950. |
| Box 33, Folder 1-6 | Memorandums, programs, and clippings regarding the establishment of UC Riverside as a university, citrus research and diseases, pest control, and citrus fruit recipes. 1950-1952. |
Memorandums, programs, and clippings regarding UC Riverside construction, CES faculty and research, pest control, smog tests, and citrus fruit recipes. 1952-1953.

Memorandums, programs, and clippings regarding UC Riverside construction, events, students and faculty, CES research, and citrus fruit recipes. 1953-1954.

Memorandums, programs, calendars, and clippings regarding UC Riverside faculty, students, and events, CES research, and citrus fruit recipes. 1954.

Clippings regarding the establishment of UC Riverside as a university, and CES research and faculty. 1947-1953.

This series is comprised of press clippings from The Press-Enterprise, Riverside Daily Press, and other local newspapers. Topics include citrus and avocado industries and production, the history of the Washington Navel Orange, Citrus Experiment Station (CES) research in diseases, pest control, and smog studies, and information about CES faculty, facilities, and events. Clippings regarding the establishment of the College of Arts and Sciences at UC Riverside are also included.

This series is arranged sequentially by box and folder number.

Clippings from The Press-Enterprise, Riverside Daily Press, and other local newspapers regarding developments in the citrus and avocado industries, pest control, smog studies, and UC Riverside and CES faculty, events and research. 1904-1956.

Clippings from The Press-Enterprise, Riverside Daily Press, and other local newspapers regarding developments in the citrus and avocado industries, pest control, smog studies, and UC Riverside and CES faculty, events and research. 1956-1958.

Clippings from The Press-Enterprise, Riverside Daily Press, and other local newspapers regarding developments in the citrus and avocado industries, pest control, smog studies, and UC Riverside and CES faculty, events and research. 1959-1989, undated.

Clippings regarding the history of navel oranges and the citrus industry (oversize). 1899-1936.

This series contains project files regarding research and experiments conducted by Citrus Experiment Station (CES) faculty, staff, and associated members. Topics include plant physiology and anatomy, pest control, citrus diseases, soil management, studies involving citrus, walnuts, figs, avocados, and other plants, and other research related to citrus and subtropical agriculture. Project files are labeled by two separate notation systems: CES project number and project number.

This series is arranged by project file in ascending order according to project number or CES project number when applicable.

CES Project No. 1 entitled A Study of the Fertilizer Requirements of Citrus Fruits conducted by H. J. Webber, W. Mertz, and other staff. Includes photographs. April 1907-July 1934.

CES Project No. 2 entitled Green Manure Crops for Southern California with Special Reference to Their Use in Citrus Orchards conducted by J.H. Norton and W.M. Mertz. September 1909-June 1932.

CES Project No. 3-A entitled The Effect of Different Stocks on Commercial Species and Varieties of Citrus conducted by W. W. Bonns, W.M. Mertz, H.J. Webber, and F.F. Halma. April 1907-June 1937.

Note

Please consult CES Project No. 64 for related material.

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CES Project No. 3-B entitled Field Survey of Stocks and Their Reactions conducted by H.J. Webber and F.F. Halma. May 1926-January 15, 1937.

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Note

Project title revised to Influence of Various Rootstocks on the Growth, Yield, and Quality of Fruit of Various Citrus Varieties in April 1940.

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CES Project No. 3-D entitled Experiments with Citrus Varieties Propagated Upon Their Own Roots conducted by H.J. Webber and F.F. Halma. August 19, 1926-April 27, 1937.

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CES Project No. 3-E entitled Comparative test of Rootstocks and Buds from High and Low Yielding Trees to Obtain Evidence of the Extent of the Influence of the Stock on the Factor of Yield and Also to Discover Stocks Tending to Produce High Yield conducted by F.F. Halma, R.E. Caryl, and M.B. Rounds. September 1926-April 1940.

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CES Project No. 3-G entitled Studies of Means of Identifying by Root Characters the Different Kinds of Stocks Used conducted by H.J. Webber and F.F. Halma. September 1926-June 1936.

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Note

Please consult Project No. 1984 for related material.

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CES Project No. 5 entitled A Comparative Efficiency Test of Orchard Heating Devices conducted by W.W. Bonns and W.M. Mertz in cooperation with Dr. L.J. Briggs and J.W. McLane of the USDA. December 1, 1913-April 1914.

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CES Project No. 6 entitled the Histology of Citrus conducted by W.W. Bonns. April 1914.

shelf Unboxed

CES Project No. 7 entitled Study of the Comparative Infectiousness of Crown Gall Organism (Bacterium tumefaciens) with Special Reference to Finding Resistant Forms of Prunus Suitable as a Rootstock for the Various Stone Fruits conducted by C.O. Smith. Includes photographs. March 1910-March 1944.

shelf Unboxed

CES Project No. 8 entitled Lemon Decay Fungi, with Special Reference to Their Control by Wash Water Disinfection conducted by C.O. Smith and E.E. Thomas. Includes photographs. April 1911-May 1916.

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CES Project No. 9 entitled Black Pit of Lemons, a Bacterial Spot conducted by C.O. Smith. May 1912- July 1913.

**Note**

Project title revised to *Investigation of Citrus Diseases Not Included in Other Pathology Projects, with Special Regard to Brown Rot, Gummosis, Gumming of Trees in the Desert Area* in June 1937, and *Root Rot and Phytophthora-induced Diseases of the Citrus Tree* in November 1957. Please consult CES Project Nos. 21, 141, and 131, and Project Nos. 1377, 1383, and 1544 for related material.

CES Project No. 11 entitled *Investigations as to the Cause and Treatment of Melaxuma of the English Walnut* conducted by H.S. Fawcett. June 1913-November 1916.

CES Project No. 12 entitled *Routine Examination of Material Sent to the Citrus Experiment Station and Minor Studies in Bacteriology, Mycology, Pathology, and Virology* conducted by J.T. Barrett, C.O. Smith, H.S. Fawcett, L.J. Klotz and other staff. Includes photographs. 1909-January 1962.

CES Project No. 13 entitled *Some Studies on Mottling of Citrus Trees* conducted by J.T. Barrett. April 1914.

CES Project No. 14 entitled *Heart Rot of Citrus as a Result of the Freeze* conducted by J.T. Barrett. November 1913-November 1916.


CES Project No. 19 entitled *A Study of Enzymes in Connection with Plant Diseases* conducted by H.D. Young. October 1912-November 29, 1913.

CES Project No. 20 entitled *A Study of the Relative Influence of Different Factors on the Composition of Certain Fruits and Nuts* conducted by H.D. Young, January 1913-May 27, 1918.

CES Project No. 21 entitled *Breeding and Improvement of Citrus Fruit* conducted by H.J. Webber, H.B. Frost, R.K. Soost, and other staff in cooperation with A.D. Shamel of the USDA. July 1914-December 1961.

**Note**

Project title revised to *Genetic Investigation of Citrus and Breeding to Produce Superior Varieties in June 1931 and Genetics and Nucellar Embryony in Citrus and Breeding to Produce New Varieties* in March 1952. Please consult CES Project Nos. 10, 131, and 141, and Project Nos. 1377, 1383, and 1544 for related material.

CES Project No. 22 entitled *The Principles of Heredity in Certain Plants* conducted by H.B. Frost. October 1, 1913-June 1924, March 1943.

**Note**

Please consult CES Project No. 57 for related material.


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<td>Please consult CES Project Nos. 118-121 for related material.</td>
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<td>Pages 1-247 of this report are not included.</td>
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<td>31</td>
<td>CES Project No. 31 entitled <em>The Mealybugs of Southern California</em> conducted by C.P. Clausen.</td>
<td>May 1, 1914-April 11, 1917.</td>
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<td>32</td>
<td>CES Project No. 32 entitled <em>Survey of Situation of the Citrus Products and By-Products Industries in Southern California</em> conducted by C.S. Milliken and R.S. Vaile.</td>
<td>September 1914.</td>
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<td>34</td>
<td>CES Project No. 34 entitled <em>A Study of the Life History and Economics of the Scale and Aphid Feeding Coccinellids</em> conducted by C.P. Clausen.</td>
<td>March 1, 1915-May 25, 1916.</td>
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<td>35</td>
<td>CES Project No. 35 entitled <em>Study of Cost Accounting For Citrus Orchards with a View to Determining as Far as Possible the Actual Value of Cultural Practices</em> conducted by R.S. Vaile and C.S. Milliken.</td>
<td>February 3, 1915-August 23, 1923.</td>
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Note
Please consult CES Project No. 96 for related material.

CES Project No. 41 entitled *Walnut Rootstock Investigations* conducted by L.D. Batchelor. Fall 1915-June 30, 1936.

CES Project No. 42 entitled *A Study of Ammonification and Nitrification in the Soils of Southern California with Special Reference to the Fertilizer Plats of the Citrus Experiment Station* conducted by W.P. Kelley. January 1915-May 28, 1919.


CES Project No. 46 entitled *Fixation of Nitrogen and Nitrification of Legumes* conducted by W.P. Kelley and H.D. Young. September 1915-May 15, 1918.


CES Project No. 48 entitled *Cover Crop Breeding* conducted by L.D. Batchelor. September 1916-June 13, 1918.


Note
Please consult CES Project No. 151 for related material.


CES Project No. 52-C entitled *Limoneira Walnut Fertilizer Experiments* conducted by L.D. Batchelor and R.G. La Rue. February 26, 1919-March 7, 1927.

CES Project No. 53 entitled *Control of the Citrophilus Mealybug* conducted by H.J. Quayle, A.F. Swain, and C.R. Perrin. May 1, 1917-April 30, 1918.

CES Project No. 54 entitled *Commercial Growing and Breeding of Sugar Beet Seed in California* conducted by H.J. Webber. February 1918-February 9, 1920.

CES Project No. 55 entitled *The Codling Moth in Walnuts* conducted by H.J. Quayle and H. Knight. September 1, 1918-June 28, 1922.


Note
Please consult CES Project No. 22 for related material.
 CES Project No. 58 entitled *Conference of Growers to Discuss Fertilizer Experiments* reported by H.J. Webber. September 10, 1926-November 20, 1917.

Note

Only pages 1178-1188 of this report are available. Please consult Project Nos. 1630-1632 for related material.

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 CES Project No. 60 entitled *The Control of the Orange Tortrix* conducted by H.J. Quayle. March 12, 1920-June 30, 1922.

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 CES Project No. 61 entitled *Cooperative Field Trials of Fertilizers and Green Manure Crops with Citrus Trees* conducted by R.S. Vaile and J.G. Surr. December 1919.

Note

Please consult CES Project No. 26 for related material.

shelf Unboxed

 CES Project No. 61-A regarding fertilizer experiments conducted by R.S. Vaile and G. Surr at a tract in Naranjo, California. April 1919-December 1923.

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 CES Project No. 61-B regarding fertilizer experiments conducted by R.S. Vaile, L.D. Batchelor, and E.R. Parker at the Chaffey Union High School and Chaffey Grove plots. February 1920-September 1925.

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 CES Project No. 61-C regarding fertilizer experiments conducted by R.S. Vaile at the San Diego Land Corporation. August 1919-August 1920.

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 CES Project No. 61-D regarding fertilizer experiments conducted by R.S. Vaile, H.J. Webber, and G. Surr on Fontana Ranch. June 1917-March 1921.

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 CES Project No. 61-E regarding field trials conducted by R.S. Vaile on the Fontana Land Company grove. March 1912-March 1921.

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 CES Project No. 61-F regarding fertilizer and irrigation experiments conducted by R.S. Vaile, G. Surr, and L.D. Batchelor at the Ball-Emery Citrus Groves Company near Porterville, California. October 1919-January 1925.

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 CES Project No. 61-H regarding fertilizer experiments conducted by R.S. Vaile at the Emery-Magnolia grove. March 1921-June 1921.

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 CES Project No. 61-I regarding fertilizer experiments conducted by R.S. Vaile at the Emery-Magnolia grove. March 1921-June 1921.

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Note

Pages 301-526 of this report are not included. Please refer to CES Project Nos. 135-137 for related material.

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 CES Project No. 64 entitled *The Importance of Selection in the Improvement of Citrus Stocks* conducted by H.J. Webber, R. McBride, L.D. Batchelor, and other staff. June 1917-March 1944.

Note

Please consult CES Project No. 3-A for related material.

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 CES Project No. 64-B entitled *The Importance of Selection in the Improvement of Citrus Stocks* conducted by J.T. Barrett, H.J. Webber, L.D. Batchelor, and other staff. June 1923-March 1944.
CES Project No. 64-C entitled Studies on the Cause of Dwarfness and Decline of Citrus Trees on Variant Rootstocks conducted by H.J. Webber, R.E. Caryl, and L.D. Batchelor. October 1935-March 1944.


Note
Please consult CES Project Nos. 111, 114, and 115 for related material.


Note
Please consult CES Project No. 133 for related material.


CES Project No. 69 entitled Control of the Grape Leafhopper by the Use of Calcium Cyanide conducted by F.T. Bioletti and H.J. Quayle. March 1923-December 1924.

CES Project No. 70 entitled Control of the Root Knot Nematode by Application of Calcium Cyanide to the Soil conducted by H.J. Quayle and H. Knight. March 1923-December 1924.

CES Project No. 71 entitled The Irrigation of Bearing Walnut Groves conducted by L.D. Batchelor and R.G. LaRue. March 1924-October 1927.


CES Project No. 73 entitled Decay and Deterioration of Citrus Fruits conducted by H.S. Fawcett, J.T. Barrett, and other members of the Plant Pathology staff. Includes photographs. July 1926-April 1964.

Note
Please consult Project No. 1765 for related material.

CES Project No. 79 entitled A Study of Boron in Relation to the Growth of Citrus and Walnut Trees, Irrigation Supplies, and the Application of Certain Materials that are Used as Fertilizers conducted by W.P. Kelley and S.M. Brown. December 1927.

CES Project No. 80 entitled An Investigation of Peach Breeding with Special Reference to the Production of Strains Adapted to Subtropical Conditions conducted by J.W. Lesley and other staff. March 1, 1927- January 1954.

Project No. 851 entitled Studies on the Seasonal Fluctuations of Certain Constituents and the Chemical Composition of Subtropical Fruit Trees conducted by S.H. Cameron and D. Appleman. September 1, 1925- June 1937.

CES Project No. 81 entitled Date Fertilizer Trials conducted by L.D. Batchelor and J.G. Surr. June 1928-June 1932.


CES Project No. 83 entitled Morphological, Cytological, and Genetical Studies of the Fig- Ficus carica with Special Reference to Improvement of Commercial Varieties conducted by I.J. Condit. June 29, 1929-January 1954.

CES Project No. 84 entitled A Study of Flower Development and Behavior of the Factors Affecting Fruit Setting in the Avocado (Persea americana and P. drymfolia) conducted by H. Van Elden and R.W. Hodgson. September 1927-November 1937.

CES Project No. 85 entitled Cultural Studies of the Fig (Ficus carica) in California conducted by I.J. Condit. Includes photographs. February 1928-January 1954.


CES Project No. 89 entitled A Horticultural and Botanical Study of Fig Varieties in California conducted by I.J. Condit. Includes photographs. June 3, 1927-February 14, 1957.


Note

Please consult CES Project No. 152 and Project No. 1373 for related material.

CES Project No. 92 entitled Tomato Breeding Especially for Resistance to Disease and Improved Quality of Fruit Under the Conditions of Southern California conducted by J.W. Lesley, R.K. Soost, and other staff. July 1, 1922-January 1958.

CES Project No. 93 entitled A Study of the Physiological Effects of the External Application of Petroleum and Other Oils Upon Plants and of the Subsequent Chemical Changes in These Oils Within the Plant conducted by E.T. Bartholomew, P.W. Rohrbaugh, and R.H. Smith. September 1, 1928-February 1937.


Note
Please consult CES Project No. 112 and Project No. 799 for related material.


CES Project No. 96 entitled *Study of Miscellaneous Species of Nuts with Special Reference to the Value of Filberts, Chestnuts, and Pecans as Commercial Crops in California* conducted by R.G. LaRue and O.L. Braucher. 1930-March 1944.

Note
Please consult CES Project No. 40 for related material.

CES Project No. 97 entitled *InVESTigation of the Physiochemical Properties of Spray Oils and Oil Spray Mixtures with Regard to Their Functioning as Insecticides* conducted by R.H. Smith. August 1931-January 1937.

Note
Please consult CES Project Nos. 122-125 and 164 for related material.

CES Project No. 98 entitled *Control of the Walnut Husk Fly, Rhagoletis completa (Cress.)* conducted by A. M. Boyce. August 1931-March 1953.

Note
Please consult Project No. 1419 for related material.

CES Project No. 99 entitled *A Study of the More Important Diseases of the Avocado in California with Especial Reference to the Control of Which are of Greatest Economic Importance* conducted by W.T. Horne, H.S. Fawcett, G.A. Zentmyer, and other staff. Includes photographs. 1926-January 5, 1959.

Note
Project title revised to *Diseases of the Avocado* in February 1949 and *Diseases of Avocado and Other Subtropical Fruits* in March 1951.


CES Project No. 101 entitled *Studies on the Nature of the Resistance and the Effect of Insecticides on the Strain of Red Scale That has Developed an Increased Tolerance to Hydrocyanic Acid* conducted by H.J. Quayle, R.H. Smith, Walter Ebeling, and other staff. February 1931-January 18, 1937.


CES Project No. 103 entitled *Efficacy of Synthetic Cryolite, Barium Fluosilicate, Nicotine Tannate, Magnesium Arsenate, and Basic Lead Arsenate in Controlling the Codling Moth in Walnuts with Special Reference to the Relationship of Various Spreaders and Stickers in Combination with the Latter Material and Improved Methods of Applying the Various Materials Both as Sprays and Dusts* conducted by A.M. Boyce. May 1932-March 2, 1953.

Note
Project title also referred to as *Control of the Codling Moth, Carpocapsa pomonella (Linn.) on Persian Walnuts Through the Use of Finer Particle Size Cryolite and Barium Fluosilicate that has Recently Become Available as a Substitute for Basic-Lead Arsenate*. Please consult Project No. 1419 for related material.

Note

Project title also referred to as *Lysimeter Investigations of the Gains, Losses, and Transformation of Mineral Elements in Irrigated Soils*.


Note

Project title also referred to as *Lysimeter Investigations of the Gains, Losses, and Transformation of Mineral Elements in Irrigated Soils*.

CES Project No. 106 entitled *Studies on the Influence of Biotic Factors on Population Densities of Insects* conducted by H.S. Smith, S.E. Flanders, Paul DeBach, and other staff. Includes photographs. June 1, 1934-February 1, 1953.

Note


Note

Project title revised to *Study of Ecology and Control of the Citrus Red Mite* in July 1935. Please consult CES project Nos. 126 and 127 for related material.


CES Project No. 109 entitled *Investigation of Peach Mosaic Disease with Special Reference to Its Transmission and Spread in California* conducted by H.S. Fawcett, H.S. Reed, H.H. Thornberry, and other staff. Includes photographs. June 6, 1934-November 1965.

Note

Project title revised to *Investigations of Peach Mosaic and Other Virus Diseases of Stone Fruits in California* in December 1957.


Note

Project title revised to *The Growth of Citrus and Other Crops as Affected by Minor Elements* in August 1950.


CES Project No. 111 entitled *Biological Control of Scale Insects Injurious to Citrus in California* conducted by H.S. Smith, Harold Compere, S.E. Flanders, and A.J. Basinger. April 15, 1936-July 1947.

Note

Please consult CES Project Nos. 65, 114, and 115 for related material.

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<td>conducted by E.T. Bartholomew and W.B. Sinclair.</td>
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<td>conducted by E.T. Bartholomew, W.B. Sinclair, and D.L. Lindgren.</td>
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<td>114</td>
<td>Biology and Economic Significance of the Invertebrate Enemies of the Citrus Mite, Paratetranychus citri McG.</td>
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<td>conducted by Lawrence Jones and H.S. Smith.</td>
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<td>115</td>
<td>Biological Control of Miscellaneous Insect Pests in California</td>
<td>April 15, 1936-February 1, 1952</td>
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<td>conducted by H.S. Smith, Harold Compere, S.E. Flanders, A.J. Basinger, and other staff.</td>
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<td>118</td>
<td>Fumigation with Hydrocyanic Acid and Carbon Disulphide in Relation to Temperature and Humidity with Reference to Both the Insect and the Plant</td>
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<td>conducted by H.J. Quayle, D.L. Lindgren, and F.G. McCarty.</td>
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<td>119</td>
<td>Atmospheric HCN Fumigation for Latania Scale on Avocado Fruits</td>
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<td>conducted by D.L. Lindgren, H.L. McKenzie, and H.J. Quayle.</td>
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<td>120</td>
<td>Hydrocyanic Acid Gas Concentration Under Fumigation Tents</td>
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<td>conducted by H.J. Quayle, D.L. Lindgren, and F.G. McCarty.</td>
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<td>121</td>
<td>Types of Concentration Curves as Influencing the Kill of California Red Scale</td>
<td>March 1936-July 10, 1941.</td>
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<td>conducted by D.L. Lindgren, F.G. McCarty, and H.J. Quayle.</td>
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<td>122</td>
<td>Investigation of Petroleum Oil Sprays with Special Reference to the Amount of Oil Deposited by Various Emulsifying, Wetting, and Spreading Agents, and with Different Grades of Heaviness and of Different Concentration of Oil</td>
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<td>conducted by A.M. Boyce, W.Ebeling, J.P. LaDue, and H.J. Quayle.</td>
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<td>Please consult CES Project Nos. 28 and 119-121 for related material.</td>
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<td>Please consult CES Project Nos. 97, 123-125, and 164 for related material.</td>
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Note
Please consult CES Project Nos. 97, 122, 124-125, and 164 for related material.

CES Project No. 124 entitled A Comparison of Fumigation and Spraying in Reference to the Quantity and Quality of Oranges and Lemons conducted by Walter Ebeling and H.J. Quayle. April 27, 1936-March 8, 1943.

Note
Please consult CES Project Nos. 97, 122-123, 125, and 164 for related material.

CES Project No. 125 entitled The Addition of Paraffin Wax Emulsions to Oil Sprays to Increase the Insecticidal Efficiency of the Latter conducted by Walter Ebeling, H.J. Quayle, and J.P. LaDue. April 27, 1936-January 16, 1948.

Note
Please consult CES Project Nos. 97, 122-124, and 164 for related material.

CES Project No. 126 entitled A Bio-ecological Study of the Citrus Red Mite, Paratetranychus citri McG. from the Laboratory Standpoint with the Air Conditioning Equipment and from the Field Standpoint by an Intensive Study of Key Field Plots in Different Environmental Localities Fully Equipped with Climatological Apparatus conducted by A.M. Boyce, D. Prendergast, and H.J. Quayle. May 4, 1936-April 21, 1939.

Note
Please consult CES Project Nos. 107 and 127 for related material.

CES Project No. 127 entitled A Laboratory and Field Study of the Control of the Citrus Red Mite, Paratetranychus citri McG. conducted by A.M. Boyce, D. Prendergast, H.J. Quayle, L.R. Jeppson, and other staff. May 11, 1936-December 20, 1962.

Note
Project title revised to Biology and Control of the Citrus Red Mite and Other Species of Tetranychid and Related Mites Attacking Citrus in August 1948. Please consult CES Project Nos. 107 and 126 for related material.

CES Project No. 128 entitled Collection of Economic Insects of Southern California conducted by H.L. McKenzie and H.J. Quayle. April 27, 1936-June 30, 1937.


Note
Please consult CES Project No. 10 for related material.

CES Project No. 132 entitled Investigation of Petroleum Oils with the Inclusion of Toxic Materials as Insecticides conducted by A.M. Boyce, J.P. LaDue, W. Ebeling, and H.J. Quayle. May 11, 1936-March 9, 1943.

Note
Please consult Project No. 1268 for related material.
CES Project No. 133 entitled *Study of the Control of the Orange Tortix, Argyrotaenia citrina (Fern.), Holcocera iceryacella (Riley), and Platynota stultana (Wals)* conducted by A.M. Boyce, H.J. Quayle, C.O. Persing, and E.L. Atkins. 1935-November 30, 1959.

Note
Project title revised to *Biology and Control of the So-called Orangeworms Attacking Citrus with Particular Reference to Orange Tortix, Pyrodexes, and Holcocera* in November 1947. Please consult CES Project No. 67 for related material.


Note
Project title revised to *Investigations of Vegetable Diseases in Southern California* in July 1941.


Note
Please consult CES Project Nos. 63 and 136-137 for related material.


Note
Please consult CES Project Nos. 63, 135, and 137 for related material.


Note
Please consult Project Nos. 64 and 135-136 for related material.


Project No. 1129-R entitled *Studies of the Mineral Nutrition of Vegetable Crops in Relation to Composition and Quality* conducted by O.A. Lorenz, Frank Takatori, R.F. Kasmire, and other staff. August 8, 1956-December 1962.


Note
Project title revised to *Clonal Strains of Citrus Varieties in Relation to Longevity of Trees, Yields, and Quality of Fruit* in June 1952. Please consult CES Project Nos. 10, 21, and 131, and Project Nos. 1377, 1383, and 1544 for related material.

CES Project No. 142 entitled *Investigation of Toxic Aqueous Solutions as Insecticides with Special Reference to Their Effect on the Red Scale* conducted by W. Ebeling, H.J. Quayle, and W.M. Hoskins. October 1937-April 20, 1940.

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CES Project No. 148 entitled Diseases of Ornamental Plants in Southern California conducted by P.A. Miller. March 1937-July 1, 1941.

shelf Unboxed

CES Project No. 149 entitled Spoilage of Date Fruit in Relation to Microorganisms conducted by D.E. Bliss, W.B. Sinclair, F.M. Turrell, and other staff. Includes photographs. January 20, 1938-June 14, 1961.

shelf Unboxed

CES Project No. 150 entitled Biochemical Study of the Composition of Citrus Tissues in Relation to Different Environmental Conditions and Various Rootstocks conducted by E.T. Bartholomew and W.B. Sinclair. Includes photographs. April 1938-June 1963.

Note

Project title revised to Pactin in Relation to the Soluble and Insoluble Carbohydrates of Immature and Mature Citrus Fruits in October 1952.

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Note

Please consult CES Project No. 52 for related material.

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Note

Please consult CES Project No. 91 and Project No. 1373 for related material.

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CES Project No. 153 entitled Insect Pests of Lawn Grasses in California conducted by R.M. Bohart. 1938-March 9, 1943.

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CES Project No. 159 entitled Platynota stultana (Walsh.) and its Control on Carnations conducted by R.M. Bohart and R.H. Smith. December 12, 1940-April 5, 1945.

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CES Project No. 160 entitled The Value of High Dosages of HCN in the Control of Red Scale conducted by D.L. Lindgren, R.C. Dickson, and H.J. Quayle. 1940-March 9, 1943.

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CES Project No. 161 entitled Life History of the Red Scale conducted by R.C. Dickson and D.L. Lindgren. 1940-April 5, 1945.

shelf Unboxed

CES Project No. 162 entitled Protective Stupefaction as a Factor in the Control of California Red Scale conducted by D.L. Lindgren. 1940-April 5, 1945.

shelf Unboxed

CES Project No. 163 entitled Laboratory Determination of Organic Compounds to be Used as Fumigants for the Control of Citrus Scale Insects conducted by D.L. Lindgren and P.D. Gerhardt. 1940-February 27, 1953.

Note
Project title revised to HCN and Other Fumigants in Control of Citrus Insects and Mites in September 1948.

shelf Unboxed

CES Project No. 164 entitled Laboratory and Field Studies of Petroleum Oils for Insecticide Use conducted by Walter Ebeling, L.A. Riehl, J.P. LaDue, and other staff. July 1940-January 16, 1956.

Note
Please consult CES Project Nos. 97 and 122-125 for related material.

shelf Unboxed

CES Project No. 165 entitled Biology and Control of Miscellaneous Insects and Mites conducted by R.C. Dickson, A.M. Boyce, Walter Ebeling, and other staff. March 1940-February 28, 1952.

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CES Project No. 167 entitled Black Scale Fumigation Investigations conducted by D.L. Lindgren. 1940-March 9, 1943.

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Note
Please consult CES Project No. 1382, Plant Pathology Project Nos. 252, 255-A, and 944, Agricultural Chemistry Project Nos. 881, 978, and 1234, and Orchard Management Project 1025 for related material.

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Note
Project title revised to Resistance of Citrus Insects to HCN and Other Fumigants in September 1948.

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Note
Project title revised to Laboratory and Field Studies of the Chemical Control Other than Tent Fumigation of the Armored Scale Insects on Citrus with Particular Reference to Red, Yellow, and Purple Scale in November 1948, and Biology and Control of the Armored Scale Insects on Citrus in October 1949. Please consult CES Project No. 132 for related material.

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<th>Project No.</th>
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<td>1327</td>
<td>Biological Control of Codling Moth conducted by R.L. Doutt. February 25, 1947-March 5, 1948.</td>
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<td>1346</td>
<td>Effects of Plant Growth Regulators and Plant Hormones on Quality and Production of Citrus Fruits conducted by W.S. Stewart, L.C. Erickson, R.T. Wedding, and other staff. December 1945-January 8, 1963. Note: Project title revised to Plant Growth Regulators in Relation to the Physiology of Citrus in April 1954.</td>
</tr>
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Note
For other notes concerning orange tree quick decline, please consult Project No. 1263.


Note
Project title revised to Cachexia, Exocortis, Stubborn Disease, Vein Enation, Wood Pocket, Xyloporesis, and Other Virus and Virus-like Diseases of Citrus Not Specifically Included in Other Projects in May 1955. Please consult CES Project No. 10, 21, 131, and 141, and Project Nos. 1134, 1377, and 1544 for related material.


shelf Unboxed Project No. 1411 entitled Biology, Ecology, and Control of Fruit Flies (Trypetidae) in the Hawaiian Islands conducted by H.S. Smith, P.S. Messenger, W. Ebeling, C.P. Clausen, and other staff. Includes photographs. October 1, 1949-February 1, 1953.


shelf Unboxed Project No. 1419 entitled Biology and Control of Insects and Mites Attacking Walnuts in Southern California conducted by J.C. Ortega, and M.M. Barnes May 1949-December 31, 1962.

Note
Please consult CES Project no. 98 for related material.


Project No. 1441 entitled *Biology and Control of Insects and Mites on Sweet Corn, Cucurbits, Crucifers, Potatoes, Tomatoes, Lettuce, Carrots, Melons, and Other Vegetable Crops in Southern California* conducted by L.D. Anderson, H.T. Reynolds, F.A. Gunther, P.D. Gerhardt, and other staff. February 1948-December 28, 1962.

Note
Project title revised to *Biology and Control of Insects and Mites on Vegetable Crops in Southern California* in October 1954.


Project No. 1444 entitled *Biology and Control of the Codling Moth, the Two-spotted Mite, and Other Insects and Mites on Apples and Pears in Southern California* conducted by M.M. Barnes, F.A. Gunther, April 1946-December 31, 1962.

Project No. 1445 entitled *Biology and Control of the Western Grape Leaf Skeletonizer, the Grape Bud Mite and Other Insects and Mites on Grapes in Southern California* conducted by M.M. Barnes and F.A. Gunther. May 1946-December 31, 1962.

Note
Project title revised to *Biology and Control of the Grape Leafhopper and Other Insects and Mites on Grapes in Southern California* in October 1954.


Note
Project title revised to *Physiological Studies on Weeds and Weed Control in Southern California* in October 1961.

Project No. 1487 entitled *Biological Control of the Sod Webworm and Other Lawn Posts by Use of Disease-producing Organisms* conducted by I.M. Hall. December 18, 1953-January 2, 1958.


Note
This project replaces subprojects within Project Nos. 1319, 1321-1323, and 1326.


Note
This project replaces subprojects within Project Nos. 1319, 1321-1323, and 1326.


Note
This project replaces subprojects within Project Nos. 1319, 1321-1323, and 1326.


Project No. 1500 entitled *Biological Control Survey of Field and Truck Crop Pests* conducted by Robert Van Den Bosch. April 24, 1952-July 24, 1956.


Note
Please consult CES Project Nos. 10, 21, 131, and 141, and Project Nos. 1134, 1377, and 1383 for related material.


Note
Please consult Project No. 745-A for related material.


Note
Project title revised to *Research into the Possibilities of Controlling Insect and Arachnid Pests Through the Use of Disease Producing Microorganisms* in July 1961.


Project No. 1597 entitled The Effect of Fungistats and Fungicides Upon the Quality and Storagability of Citrus Fruits conducted by I.L. Eaks. November 18, 1953-March 27, 1959.


Project No. 1611 entitled Effect of Fungistats and Fungicides Upon the Quality and Storagability of Citrus Fruits conducted by I.L. Eaks. November 18, 1953-March 27, 1959.


Project No. 1626 entitled Development of Nematocides and Methods of Their Application to Pre-planting and Living Plant Sites as Influenced by Physical and Chemical Properties of Fumigant, Nematode Species Involved, Physical Structure of Soil, and Environmental Factors as Soil Type, Moisture, Compactness, and Temperature conducted by Bert Lear, R.C. Baines, L.H. Stolzy, and N.B. Akesson. December 1, 1953-January 1959.


Note
This project was previously reported under CES Project No. 58. Project title revised to Field Studies of Macro and Micro-Nutrient Nutrition and Fertilization of Avocados in January 1957.


Note
This project was previously reported under CES Project No. 58.


Note
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<td>1650</td>
<td>Biological Control of Yellow Clover Aphid and Other Aphid Pests of</td>
<td>O.J. Smith, Robert van den Bosch. I.M. Hall, E.I. Schlinger, and other staff.</td>
<td>April 28, 1955-December 31, 1960</td>
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<td>1718</td>
<td>Biological Control of Plant Parasitic Nematodes</td>
<td>R.C. Baines, O.F. Clarke, and R. Mankau.</td>
<td>1954-December 1963</td>
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<td>1726</td>
<td>Enzyme Relations in the Maturation and Ripening of Citrus Fruit</td>
<td>R.C. Bean and W.B. Sinclair.</td>
<td>May 2, 1956-December 1964</td>
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Note
Please consult Project No. 2001 entitled *Labor Efficiency in Citrus and Other Horticultural Crops* for related material.


Note
Please consult Project No. 2156 entitled *Influence of Environment, Chemical Additives, and Air Pollutants on Apparent Photosynthesis and Respiration by Intact Horticultural Plants* for related material.


Reports regarding research conducted in soils and plant nutrition, agricultural engineering, and biochemistry conducted by J.J. Oertli, T.W. Embleton, R.M. Perkins, N.G. Pon, and other staff. December 1964.


Series Scope and Content Summary
This series contains 35mm slides, black-and-white photographs, and lantern slides, as well as nitrate, glass plate, and black-and-white negatives. Images document Citrus Experiment Station (CES) facilities, land, staff, faculty, orchards, and crops. Materials pertaining to experiments and fieldwork conducted in fields and orchards located on and around CES land are also included.

For preservation and safety concerns, the use of nitrate negatives in Sub-series 8.5. is restricted. Please contact Special Collections & Archives for additional information regarding this material.

Series Arrangement
This series is arranged into five sub-series:
Sub-series 8.1. 35mm slides. 1937-1960s, undated.
Sub-series 8.3. Lantern slides. 1904-1938, undated.

35mm slides. Sub-series 8.1. 1937-1960s, undated.

Sub-series Scope and Content Summary
This sub-series contains 35mm slides of exterior views of Citrus Experiment Station (CES) buildings, portraits of CES faculty and staff, and documents regarding fruit experiments.

Sub-series Arrangement
This sub-series is arranged sequentially by box and folder number.

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<td>Color portrait of Homer D. Chapman (five copies). undated.</td>
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<td>53</td>
<td>47</td>
<td>Exterior views of the CES main building (color). circa 1960s.</td>
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<td>53</td>
<td>48</td>
<td>Color portraits of CES secretaries. Includes one photograph. circa 1955.</td>
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Sub-series Scope and Content Summary
This sub-series contains black-and-white photographs of Citrus Experiment Station (CES) buildings, faculty, staff, equipment, orchards, and crops. Images primarily show exterior, interior, and aerial views of the CES main building, entomology laboratory, barns, and other CES facilities, including the original CES laboratory at Mt. Rubidoux. Images originally housed in Kodak nitrate negative albums created or collected by E.R. Parker depict avocado, walnut, and citrus crops with injuries, deficiencies, and diseases. Images created or collected by E.E. Thomas show barley, cowpea, and alfalfa fields and other crops. Other images depict experiments conducted in CES orchards and fields and Riverside landmarks, including the parent Washington navel orange tree. Staff and faculty portraits are also included. A CD-ROM containing digital images originally taken by James Theophilus Barrett depict the CES garden, the house of Louis Rubidoux, and other Riverside landmarks.

For glass plate negatives created or collected by E.E. Thomas, please consult Sub-series 8.4, Lantern slides.

Sub-series Arrangement
This sub-series is arranged sequentially by box and folder number.
Box 50, Folder 1  Exterior and interior views of CES and USDA greenhouses. Includes photographs of the entomology annex greenhouses and laboratories. 1921-1963, undated.

Box 50, Folder 2  Exterior views of the main CES building’s north wing, also referred to as the chemistry wing. Includes construction photographs. 1930-1932, undated.

Box 50, Folder 3  Exterior views of the CES director’s residence. 1917-1926, undated.

Box 50, Folder 4  Exterior views of CES pump houses. Includes one photograph taken from the top of a pump house. 1917-1929.

Box 50, Folder 5  Exterior views of CES barns. 1917-1928.

Box 50, Folder 6-7  Exterior front views of the main CES building. 1917-1932, undated.

Box 50, Folder 8  Exterior side views of the main CES building. 1916-1938, undated.

Box 50, Folder 9  Exterior back views of the main CES building. 1916-1921, undated.

Box 50, Folder 10  Exterior views of the main CES building’s south wing. 1921-1938, undated.


Box 50, Folder 13  View of land for prospective CES sites. 1907-1917, undated.

Box 50, Folder 14  View of CES buildings under construction. 1930-1949, undated.

Box 50, Folder 15  View of the CES Rubidoux Tract prior to planting (four copies). 1907.

Box 50, Folder 16  Exterior views of the former CES building located on Mt. Rubidoux. Includes photographs of a farmers’ meeting on Mt. Rubidoux and field day celebration. 1912-1917.

Box 50, Folder 17  View of the CES dedication ceremony (four copies). 1918.

Box 50, Folder 18  Images chronicling the construction and completion of the CES entomology and insectary buildings. Includes photographs of completed buildings. 1930-1937, undated.

Box 50, Folder 19  Exterior view of the CES irrigation reservoir. 1927-1929.

Box 50, Folder 20  Views taken in hallways and archways of CES buildings. 1931-1938, undated.

Box 50, Folder 21  Exterior and interior views of lath houses on CES property. 1929, undated.

Box 50, Folder 22  Exterior views of headhouses used for library work by the subtropical horticulture summer session. undated.


Box 50, Folder 24  Exterior view of cottages on CES property. 1929.

Box 50, Folder 25  View of roads next to CES. 1932, undated.

Box 50, Folder 26  Exterior view of the Agricultural Extension Service. circa 1965.

Box 50, Folder 27  Exterior and interior views of the CES entomology building. circa 1932.

Box 50, Folder 28  Interior views of a CES fumigation laboratory (two copies). undated.

Box 50, Folder 29  Interior views of the spray laboratory at CES (two copies). 1932.

Box 50, Folder 30  Interior view of the plant pathology laboratory. circa 1935.

Box 50, Folder 31  Images from the 50th anniversary of CES library exhibit. February 14, 1957.

Box 50, Folder 32  Interior view of a desk possibly located in a CES office (two copies). undated.

Box 50, Folder 33  Images of metalworkers manufacturing equipment in a machine shop. undated.

Box 50, Folder 34  Images of draft horses in CES orchards. Includes photographs of the original CES site on Mt. Rubidoux. 1916-1929, undated.

Box 50, Folder 35  Views of citrus orchards located in Riverside and other surrounding locations. 1914-1944, undated.

Box 50, Folder 36  Interior view of a chemistry laboratory in Whittier, California. undated.

Box 51, Folder 1  Images of tractors, heaters, grading machines, and other equipment used for growing, producing, and maintaining citrus fruits. 1962, undated.

Box 51, Folder 2  Images of smog and air pollution experiments. 1954, undated.

Box 51, Folder 3  Images of experiments being conducted in biological control, entomology, soils, and other areas of citrus research. 1934-1958, undated.

Box 51, Folder 4  Images of fieldwork on walnut trees and a plan for a fertilizer walnut experiment. 1920, undated.

Box 51, Folder 5  Views of soybean, clover, and black eyed pea fields. 1919-1922, undated.

Box 51, Folder 6  Views of the parent Washington navel orange tree in Riverside, California. 1898-1916, undated.

Box 51, Folder 7  Images of crates filled with oranges and lemons. 1915, undated.

Box 51, Folder 8  Views of alfalfa, wheat, and other fields with crops. 1918-1926, undated.
| Box 51, Folder 9 | Views of the oldest sweet orange trees located in Butte County and East Highland, California. 1915, 1944. |
| Box 51, Folder 10 | Images of CES faculty, staff, and visitors planting trees and touring orchards and CES buildings. 1928-1955, undated. |
| Box 51, Folder 11 | Images of CES plant physiology staff and experiments. 1926-1955. |
| Box 51, Folder 12 | Images of CES summer class students. 1913-1932. |
| Box 51, Folder 13 | Images of a tractor management class at CES. 1918. |
| Note | To view additional copies of this image, please consult Subseries 8.3, Lantern slides: Box 62 and Series 9, Citrus Experiment Station anniversary celebrations. |
| Box 51, Folder 14 | Images of a Rubidoux stock experiment involving Washington navel and sweet orange trees. undated. |
| Box 51, Folder 15 | Portraits of Dr. Leon D. Batchelor. 1938, undated. |
| Box 51, Folder 16 | Portraits of Dr. W.P. Kelley. undated. |
| Box 51, Folder 17 | Images of Dr. Alfred M. Boyce in his office and conducting fieldwork. 1930s-1959, undated. |
| Box 51, Folder 18 | Images of Homer and Daisy Chapman, and CES soils annex events. Includes correspondence, applications to the Consulate General of the United Arab Republic regarding a request to travel to Egypt and Syria, and other material. 1952-1986, undated. |
| Box 51, Folder 19 | Image of Dr. Howard S. Reed in front of a CES building. 1935. |
| Box 51, Folder 20 | Images of CES faculty, students, and administrative staff attending CES functions, conducting fieldwork, and sitting in offices. 1924-1947, undated. |
| Box 51, Folder 21 | Group portraits of CES faculty and staff. Includes an autographed portrait from 1931. 1914-1954, undated. |
| Box 51, Folder 22 | Portraits of CES faculty and staff. circa 1920-1990. |
| Box 51, Folder 23 | Group portraits from CES related conferences and meetings. 1936-1969. |
| Box 51, Folder 25 | Image of a Riverside Daily Press article regarding the approval for a citrus station in Riverside. December 23, 1914. |
| Box 51, Folder 26 | Images of Howard S. Fawcett. 1930, undated. |
| Box 52, Folder 1 | Views of Al Boyce, Jim Kendrick, Joe Eckard, and L. Joe Clotz touring the CES fruit packing room. undated. |
| Box 52, Folder 2 | Group portrait of CES staff and faculty (framed). undated. |
| Box 52, Folder 3 | Journal of E.R. Parker regarding photographs of avocado, walnut, fig, and citrus trees. 1940-1947. |
| Box 52, Folder 4-5 | Images created or collected by E.R. Parker of avocado trees affected by sunblotch and other diseases. 1929, undated. |
| Box 52, Folder 6 | Images created or collected by E.R. Parker of Mr. George Westcott and Concord walnut trees. 1938. |
| Box 52, Folder 7 | Images created or collected by E.R. Parker of walnut trees with injuries and diseases. 1927-1942. |
| Box 52, Folder 8 | Images of citrus leaves and branches. 1926, undated. |
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| Box 52, Folder 11 | Images of orange leaves and trees with zinc deficiency from Cactus Ave. in Bloomington, California. December 1, 1942. |
| Box 52, Folder 12 | Images of citrus heaters and trees with oil injury. 1932. |
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| Box 52, Folder 14 | Images and kodacrome slides of citrus trees at Hope Ranch in Santa Barbara, California. 1943. |
| Box 52, Folder 15 | Images created or collected by E.R. Parker of citrus trees and leaves located at CES. 1934-1943, undated. |
| Box 52, Folder 16 | Images of lemon leaves treated with nitrate and soda from the orchards of W.H. Montgomery in San Dimas, California. December 26, 1940, undated. |
| Box 52, Folder 17 | Images of citrus trees with manganese deficiency from the Felsenthal Orchard in Fillmore, California. 1942-1950. |
| Box 52, Folder 18 | Images of wilted avocado trees at the San Joaquin Fruit Company. undated. |
| Box 52, Folder 19 | Images of diseased, injured, and deficient lemon leaves. 1941, undated. |
| Box 52, Folder 20 | Images created or collected by Dr. Coit of a Valencia orange tree and a Eureka lemon tree raised from mottled bud. 1911. |
| Box 52, Folder 21 | Photographs and kodachrome slides created or collected by U.E. Smith of lemon and walnut trees with manganese deficiency at Tepusquet Canyon in Santa Barbara. September 15, 1943. |
| Box 52, Folder 22 | Images of lemon leaves with signs of yellowing from the Leffingwell Planting Company. March 26, 1941. |
| Box 52, Folder 23 | Images of cross sections of lemons. undated. |
| Box 52, Folder 24 | Images of olive trees treated with fertilizer in Tulane County, California. 1940. |
| Box 52, Folder 25 | Images created or collected by E.R. Parker of lemon leaves, branches, and trees from Dr. Fawcett’s lemon experiment. July 23, 1941. |
| Box 52, Folder 26 | Images created or collected by E.R. Parker of avocado trees infected with decline at the Oscar Ellis Orchard Vista. January 26, 1943. |
| Box 52, Folder 27 | Images of persimmons. undated. |
| Box 53, Folder 1 | Images of nitrate nitrogen line graphs. 1938-1940. |
| Box 53, Folder 2 | Images of prints used at the conference of the California Fertilizer Association regarding yields of phosphorus and potassium when used with Urea and cover crops. 1948. |
| Box 53, Folder 4 | Images created or collected by E.R. Parker of orange tree roots located at CES. May 1941. |
| Box 53, Folder 5 | Images created or collected by E.R. Parker of avocado leaves with possible sunblotch. March 28, 1941. |
| Box 53, Folder 6 | Images of Valencia orange tree twigs (addressed to E.R. Parker). February 1949. |
| Box 53, Folder 7 | Images of peach leaves with manganese deficiency from Ojai Road in Ventura County. July 1940. |
| Box 53, Folder 8 | Images of Washington navel orange leaves, fruit, and trees. 1941, undated. |
| Box 53, Folder 9 | Image by C.O. Smith of a tree and thermometers indicating the outside temperature at CES. January 1937. |
| Box 53, Folder 10 | Image of brittle and normal guava leaves after being subjected to temperatures below freezing. 1937. |
| Box 53, Folder 11 | Images of Eureka lemons treated and untreated with zinc from M.C. Warren’s ranch. April 27, 1935. |
| Box 53, Folder 12 | Views of Eureka lemon trees before pruning. October 1915. |
| Box 53, Folder 13 | Views of Eureka lemon trees after pruning. October 22, 1915. |
| Box 53, Folder 14 | View of an Eureka lemon tree with albino limbs. May 1915. |
| Box 53, Folder 15 | Views of lemon trees that have been pulled out by their roots at the Temescal Water Company in Riverside, California. August 20, 1925. |
| Box 53, Folder 16 | Image of a farmer recording the weight of Eureka lemons produced during a regular monthly pick. May 17, 1915. |
| Box 53, Folder 17 | View of a tent covering 7 acres of lemon trees at Flagler Ranch in Corona, California. May 17, 1915. |
| Box 53, Folder 18 | Cluster of 7 Eureka lemons from the Chase Plantation in Corona, California. March 1916. |
| Box 53, Folder 19 | Views of marsh seedless grapefruit trees in Highgrove and Oasis, California. 1911, 1925. |
| Box 53, Folder 21 | Image of a typical fruit bearing bud stick of a Marsh grapefruit. undated. |
Box 53, Folder 22 Images of Valencia orange bud sticks with fruit attached and detached. April 15, 1916.
Box 53, Folder 23 Images of unproductive and abnormal Valencia orange trees at Box Springs Variety Orchard. June 18, 1925.
Box 53, Folder 24 Images of Valencia oranges with navel orange fruit spots. August 25, 1925.
Box 53, Folder 25 View of Valencia tree buds from the Rubidoux station nursery. October 1918.
Box 53, Folder 26 Views of Valencia orange trees located in Laguna Beach, California. 1934.
Box 53, Folder 28 Views of Washington navel trees before topping. October 1915.
Box 53, Folder 29 Views of Washington navel trees after topping. October 1915.
Box 53, Folder 30 Images of Tahiti sweet seedlings top-worked to Washington navel orange trees at Randall Ranch in Highland, California. May 26, 1925.
Box 53, Folder 31 Images of top-worked Washington navel orange trees in Highgrove, California. September 12, 1925.
Box 53, Folder 32 View of pump lanes used for raising irrigation water to a higher level. May 17, 1915.
Box 53, Folder 33 Image of a shelter containing instruments used to record climate conditions. May 17, 1915.
Box 53, Folder 34 View of a tangerine tree at Vivienda Ranch in Riverside, California. 1911.
Box 53, Folder 36 Image of an abnormal ear of corn. August 27, 1925.
Box 53, Folder 37 Inarches of sour and sweet oranges, and rough lemons installed by Glenn Blackman, W.M. Mertz, and Dr. H.J. Webber. 1918.
Box 53, Folder 38 Images of a nematode and other insects. undated.
Box 53, Folder 39 Image of some double flowers of Prunus mume (plum blossom). June 18, 1932.
Box 53, Folder 40 Images created or collected by E.E. Thomas of cowpea fields. October 19, 1922.
Box 53, Folder 41 Images created or collected by E.E. Thomas of barley fields. 1920-1922, undated.
Box 53, Folder 42 Images created or collected by E.E. Thomas of alfalfa fields. 1924-1926, undated.
Box 53, Folder 43 Images created or collected by E.E. Thomas of Hubam clover fields. September 22, 1924.
Box 53, Folder 44 Image of Mt. Rubidoux on Easter Sunday. 1913.
Box 53, Folder 45 CD-ROM containing images taken by James Theophilus Barrett of Mt. Rubidoux, the CES garden, residences, and buildings, and landmarks in Riverside including Riverside Cement Works and the house of Louis Rubidoux. 1913-1914, undated.
Box 53, Folder 46 Negatives collected by John Gabbert for the Lawton Project on the history of CES. undated.

Lantern slides. Sub-series 8.3. 1904-1938, undated.
Sub-series Scope and Content Summary
This sub-series contains lantern slides documenting the main Citrus Experiment Station (CES) building and other facilities, the original CES laboratory on Mt. Rubidoux, CES faculty and staff, and CES land, fields, and orchards. Slides used by Leon D. Batchelor for his address at the CES 50th anniversary celebration are also included.
Sub-series Arrangement
This sub-series is arranged sequentially by box and folder number.

Box 62 Exterior views of the main CES building. undated.
Box 62 Exterior views of the former CES building located on Mt. Rubidoux. Includes image of a farmers’ meeting on Mt. Rubidoux. circa 1914.
Box 62

Image of a tractor management class at CES. 1918.

Note
To view additional copies of this image, please consult Sub-series 8.2, Black-and-white photographs: Box 53, Folder 13 and Series 9, Citrus Experiment Station anniversary celebrations.

Box 62

Views taken from Mt. Rubidoux of CES experimental groves and orchards. undated.

Box 62

Views of CES land. undated.

Box 62

Group portrait of CES faculty. 1914.

Box 62

Exterior views of the main CES building. 1921-1938, undated.

Box 62

Group portraits of CES faculty and staff. 1929-1933.

Box 62

Image of Eureka lemons fertilized with potash and blood. undated.

Box 62

Images of fertilized and unfertilized trees in an orchard. undated.

Box 62

View of a CES barn. undated.

Box 62

Image of a horse and carriage. undated.

Box 62

Aerial view of CES land. undated.

Box 62

Views of CES fields and orchards at Mt. Rubidoux. circa 1908-1910.

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Sub-series Scope and Content Summary
This sub-series contains glass plate negatives with views of crops, groves, orchards, buildings, and the original Citrus Experiment Station (CES) laboratory located on Mt. Rubidoux. Other images pertain to fieldwork and experiments conducted by CES staff and students. Images created or collected by E.E. Thomas depict orange and lemon trees, and alfalfa, barley, Hubam clover, and cowpea fields. Images pertaining to experiments with Eureka lemon, marsh grapefruit, Valencia orange, and Washington navel orange trees are also included.

For black-and-white photographs created or collected by E.E. Thomas, please consult Sub-series 8.2, Black-and-white photographs.

Sub-series Arrangement
This sub-series is arranged sequentially by box and folder number.

Box 54

Images created or collected by E.E. Thomas of Valencia trees located at CES and in Whittier, La Habra, and Garden Grove, California. 1916-1919.

Box 54

Views of Hubam Clover fields. 1924-1928.

Box 54

Images created or collected by E.E. Thomas of alfalfa fields. 1924-1928, undated.

Box 55

Images created or collected by E.E. Thomas of alfalfa fields. 1924-1928, undated.

Box 56

Images created or collected by E.E. Thomas of alfalfa fields. 1924-1928, undated.

Box 56

Views created or collected by E.E. Thomas of treatment plots showing growth of barley and other crops located at Kearney Vineyard in Fresno, California. 1920.

Box 56

Views created or collected by E.E. Thomas of cowpea fields. October 19, 1922.

Box 56

Views of crops. Envelope labeled "imperial exht". January 17, 1929.

Box 57

Images created or collected by E.E. Thomas of barley fields and barley plants in pots. 1920-1928.

Box 58

Images created or collected by E.E. Thomas of barley fields and barley plants in pots. 1920-1928.

Box 58

Images created or collected by E.E. Thomas of orange trees at Eureka Grove, Oakley Grove (Riverside), and East Whittier, California. 1917-1924.

Box 58

Images created or collected by E.E. Thomas of lemon trees at Leffingwell Ranch, Arlington Heights, and Rubidoux, California. 1916, 1919.

Box 58

View of a plot filled with water. September 9, 1927.

Box 58

Image created or collected by E.E. Thomas of a box created for the study of citrus root fungus. April 9, 1914.

Box 58

Images created or collected by E.E. Thomas of trees at Gafford's Grove and J.M. Mylne's Grove. 1924.

Exterior views of the original CES laboratory located on Mt. Rubidoux. 1909-1912.

Exterior and interior views of CES lath houses. 1911.

Image of a worker weighing fruit picked from experiment trees at CES. Spring 1912.

View of navel orange blossoms. 1910.

View of flowers. undated.

Image of CES summer class students conducting fieldwork. 1913.

View of Woodson's Orange Orchard in Corning, California. May 24, 1914.

Images of a yuba tractor and plow station orchard. March 1915.

View of Limoneira Company lemon trees. April 22, 1915.

Exterior views of the Limoneira Ranch. 1915.

Exterior view of the original CES building on Mt. Rubidoux. March 1915.

View of the oldest sweet orange tree in Northern California. 1915.

Exterior views of the CES main building. 1917-1920, undated.

Exterior view of the director's residence at CES. January 1920.


Image of men conducting fieldwork in an orchard. undated.

Image of a horse and carriage on a field. undated.

Group portrait of three men. undated.

View of CES land from Riverside highlands. undated.

Portrait of Thomas A. Garay. undated.

Interior view of a CES building. undated.

Views of Eureka lemon trees before pruning. October 1915.

Views of Eureka lemon trees after pruning. October 22, 1915.

View of a tent covering 7 acres of lemon trees at Flagler Ranch in Corona, California. May 17, 1915.

Cluster of 7 Eureka lemons from the Chase Plantation in Corona, California. March 1916.

View of a lemon curing and pickling house at Flagler Ranch in Corona, California. May 17, 1915.

Image of an employee picking lemons from a tree under a tent at Chase Plantation in Corona, California. May 17, 1915.

Image of an employee recording the weight of Eureka lemons produced during a regular monthly pick. May 17, 1915.

Views of marsh seedless grapefruit trees in Highgrove, California. 1916.


Images of Valencia orange bud sticks with fruit attached and detached. April 16, 1915.


View of the parent Washington navel orange tree in Riverside, California. May 17, 1915.

Views of Washington navel trees before topping. October 1915.

Views of Washington navel trees after topping. October 1915.

View of pump lanes used for raising irrigation water to a higher level. May 17, 1915.

Image of a shelter containing instruments used to record climate conditions. May 17, 1915.

View of a tangerine tree at Vivienda Ranch in Riverside, California. 1911.

Sub-series Scope and Content Summary
This sub-series contains nitrate negatives of Citrus Experiment Station (CES) staff, faculty, and students, aerial and exterior views of CES buildings, and CES land and orchards. Images created or collected by E.E. Thomas show alfalfa, cotton, oat, and other crops. Loose materials and negatives in the Kodak nitrate negative albums that were created or collected by E.R. Parker depict avocado, walnut, and citrus crops, some of which show injuries, deficiencies, and diseases. Kodak nitrate negative albums with images of trips to Italy and France are also included. Negatives created by C.S. Pomeroy and A.D. Shamel show marsh grapefruit, Washington navel orange, date palm, and Valencia orange trees. Filmstrips depict images of land and trees in Santa Barbara, avocado seed mutations, and Capistrano weather records. [Boxes 44-47]

For preservation and safety concerns, the use of nitrate negatives is restricted. Please contact Special Collections & Archives for additional information regarding this material.


Series Scope and Content Summary
This series contains correspondence, memorabilia, programs, clippings, and other material regarding the 20th, 50th, 75th, and 100th anniversaries of the Citrus Experiment Station (CES). Materials regarding the Citrus Research Center and Agricultural Experiment Station (CRC-AES) anniversaries reflect the official name change instituted in 1961. Topics include the history of CES, past and future research projects, achievements, and celebration events. Materials regarding the 100th anniversary of the Agricultural Experiment Station (AES) are also included.

Series Arrangement
This series is arranged sequentially by box and folder number.

Box 1, Folder 21
Speeches delivered at the 197th meeting of the Synapsis Club on June 5, 1933 commemorating the 20th anniversary of CES (three copies); Riverside Daily Press clipping regarding CES 20th anniversary. 1933.

Box 2, Folder 1
Correspondence, memorandums, and meeting notes regarding the 50th anniversary of CES. 1956-1957.

Box 2, Folder 2
Committee and invitation lists regarding the 50th anniversary celebration of CES. circa 1956-1957.

Box 2, Folder 3
Reviews and typescripts of speeches given at the CES 50th anniversary celebration. February 14, 1957.

Box 2, Folder 4
Program (three copies), articles, invitations, and twenty-five congratulatory letters addressed to T.A. Lombard regarding the CES 50th anniversary celebration. 1957.

Box 2, Folder 5

Box 2, Folder 7
Special program, invitation, flier, and 75 Years of Citrus Research informational packet (three copies of each). 1982.

Box 2, Folder 8
Press-Enterprise article and audiocassette regarding the 75th anniversary of CES. 1982.

Box 19, Folder 27
Assembly concurrent resolution congratulating CES on its 50th anniversary. January 21, 1957.

Box 41
Tote bag (two) from the 100th anniversary celebration of the AES. circa 2007.

Box 41
T-shirt (three) from the 100th anniversary celebration of the AES. circa 2007.

Box 41
Hat (two) from the 100th anniversary celebration of the AES. circa 2007.

Box 41
Flier regarding a series of lectures being held in honor of the 100th anniversary of CRC-AES. circa 2007.

Box 41
Poster regarding the CRC-AES 100th anniversary gala and symposium. February 2007.

Box 41
Poster regarding the AES 100th anniversary kickoff BBQ and open house. April 22, 2006.

Box 42, Folder 1
Special edition of the Chronicle of the University of California regarding the 100th anniversary of the CRC-AES (three copies). Fall 2006.
| Box 42, Folder 2 | Press kit regarding the 100th anniversary celebration of the CRC-AES. Contains brochures, pamphlets, programs, pins, and other material. circa 2007. |
| Box 42, Folder 3 | CD-ROM created by the UC Riverside Office of Strategic Communications regarding the 100th anniversary of CES. February 2007. |
| Box 42, Folder 4 | Folder bearing the CRC-AES 100th anniversary celebration logo (two copies). circa 2007. |
| Box 42, Folder 5 | The Advantage, Vol. 1, No. 1 published by the UC Riverside College of Natural and Agricultural Sciences. Includes an article regarding the CRC-AES centennial gala (two copies). Summer 2007. |
| Box 42, Folder 6 | Article entitled AES Centennial 100, UC Riverside Marks a Century of Agricultural Innovation - Still Thriving in an Urban Empire from California Agriculture, Vol. 6, No. 4 (two reprints). 2006. |
| Box 42, Folder 7 | Program from the CRC-AES centennial celebration (three copies). 2007. |
| Box 42, Folder 8 | Timeline regarding key events in the history of the CRC-AES from 1907-2007 (three copies). 2007. |
| Box 42, Folder 9 | Invitation and program (two copies) for the CRC-AES Centennial Symposium and Gala. 2007. |
| Box 42, Folder 10 | Brochure regarding past and future endeavors of the Agricultural Experiment Station (two copies). circa 2007. |
| Box 42, Folder 11 | Flier for the UC Riverside Agricultural Experiment Station 100th anniversary open house celebration (two copies). April 21, 2007. |
| Box 42, Folder 12 | Program for the AES 100th anniversary kickoff BBQ and open house (two copies). April 22, 2006. |
| Box 42, Folder 13 | Bookmarks from the CRC-AES 100th anniversary celebration. circa 2007. |


Series Scope and Content Summary

This series contains oversized photographs, floor and site plans, blueprints, and topographical maps and surveys pertaining to Citrus Experiment Station (CES) buildings, facilities, and land. Materials primarily relate to prospective CES laboratory sites and proposals for the construction and improvement of CES buildings. Oversized photographs depict CES buildings, aerial views of CES land, watercolor illustrations regarding citrus and subtropical fruit, and a tractor management class.

For additional blueprints and topographical surveys related to CES facilities, buildings, and prospective land sites, please consult Sub-series 1.3, Facilities.

For additional black-and-white photographs, please consult Sub-series 8.2, Black-and-white photographs.

Series Arrangement

This series is arranged sequentially by box and folder number.

Box 69 | Black-and-white photograph of the CES main building. 1917. |
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**Note**
To view an additional copy of this image and other photographs of the CES main building, please consult Sub-series 8.2, Black-and-white photographs: Box 50, Folder 6.

Box 69 | Black-and-white photograph of a tractor management class at CES. 1918. |
**Note**
To view additional copies of this image, please consult Sub-series 8.2, Black-and-white photographs: Box 51, Folder 13 and Sub-series 8.3, Lantern slides: Box 62.

Box 69 | Photographic reproductions of watercolor illustrations of subtropical fruits of Southern California painted by USDA artists (framed). undated. |

Box 69 | Photographic reproductions of watercolor illustrations of navel oranges painted by USDA artists (framed). undated. |

Box 69 | Black-and-white photograph of an airplane view of CES land and buildings taken by the US Army Air Corps (two copies). 1928. |

Black-and-white photograph of tank experiments and greenhouses at CES. 1928.

Note
To view an additional copy of this image and other photographs of CES greenhouses, please consult Sub-series 8.2, Black-and-white photographs: Box 50, Folder 1.

Black-and-white photograph of a tree with brown rot fruit. February 20, 1913.

Black-and-white aerial photographs of CES buildings and land. undated.

Site plan of Valencia Heights tract no. 2371. July 1913.

Site plan of the North East Pomona tract and surrounding areas. undated.

Site plan of lot 23 and a portion of lot 24 on tract no. 2371 in Los Angeles County. December 1, 1913.

Topographical survey of the Riverside Improvement Company lands within boundaries of Rancho La Sierra (blueline print). 1888.

Black-and-white aerial photographs of CES and UC Riverside buildings and surrounding land. undated.

Site plans and correspondence regarding proposed CES greenhouses for the Division of Soils and Plant Nutrition. Includes lists of specifications for construction and equipment. February 1924-August 26, 1949, undated.

Site plan of the Southern Pacific Company lot 22 located in Highgrove, California. June 1915.

Topographical survey of proposed overhead irrigation and drainage development located west of the CES main building. undated.

Site plan of land at Box Spring Station near Riverside. September 1934.

Topographical survey of the CES overhead irrigation system on field 6. February 2, 1939.

Topographical map regarding soil at the Riverside tract. undated.

Blueprint of the furniture for the CES greenhouse laboratory. February 19, 1924.

Blueprints of the CES insecticide building and laboratories. March-April 1946.

Development plans of the UC Riverside Graduate School of Tropical Agriculture and CES. April 4, 1931.

Blueprints regarding proposed improvements for CES for the domestic water supply and derrick and bridge of the pump house and the reinforced concrete reservoir. February-March 1916.

Blueprint regarding the plan and elevation of CES head houses. February 14, 1924.

Topographical survey of the CES site (two copies). undated.

Topographical maps of CES. undated.

Topographical survey regarding proposed improvements for the CES irrigation and water supply systems. 1915-March 1916.

Floor plan of the main floor of the CES main laboratory building (two copies). April 1916.

Floor plan regarding alterations to the basement floor plan of the CES administrative building (two copies). August 1952.

Floor plan of the basement floor of the CES main laboratory building (three copies). April 1916.

Floor plan regarding alterations to the lower and upper floors of the south wing of the CES building. August 1952.

Floor plan of the south wing of the CES laboratory building (two copies). April 1916.
map-case A13, Folder 3
Floor plan regarding alterations to the first and second floor of the CES administrative building. August 1952.

Floor plan of the north and south wing of the CES laboratory building. April 1916.

shelf : Vault
Thacher's calculating instrument used by former CES staff member and emeritus professor of soil science and chemistry Dr. Albert Page. undated.

Box 49
35mm metal slide frames and a wood box used for projection slide storage. undated.