Guide to the Frederick F. Halma papers

Processed by Hollie Johnson, 2010.
Processing of this collection was funded by the Andrew W. Mellon Foundation, and administered by the Council on Library and Information Resources (CLIR), Cataloging Hidden Special Collections and Archives program.
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Descriptive Summary
Title: Frederick F. Halma papers
Date (inclusive): 1919-1963, undated.
Date (bulk): 1933-1955
Collection Number: UA 040
Creator: Halma, Frederick F., 1887-1963
Extent: 1.75 linear feet (3 document boxes and 1 lantern slide box)
Repository: Rivera Library. Special Collections Department.
Riverside, CA 92517-5900
Abstract: This collection contains project files, publications, photographs, and other material regarding the career of Dr. Frederick F. Halma, professor of subtropical horticulture at the University of California, Los Angeles (UCLA) and research scientist at the Citrus Experiment Station in Riverside, California. Includes lecture notes, examinations, photographs and other material from Halma's Horticulture 102 class as well as handwritten field notes and publications regarding his citrus/avocado research. The bulk of Halma's research focused on citrus rootstock experiments and avocado rootstock trials. Additionally this collection contains press clippings and other material regarding the Riverside Parent Navel Orange Tree.
Languages: The collection is in English.
Access
This collection is open for research.
Publication Rights
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[identification of item]. Frederick F. Halma papers, UA 040. University of California, Riverside Libraries, Special Collections & Archives, University of California, Riverside.
Acquisition Information
Information regarding this acquisition is unavailable.
Processing History
Processed by Hollie Johnson, 2010.
Processing of the Frederick F. Halma papers 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 2010-2012, "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).
Related Material
The following related item is cataloged and available in the UCR Libraries.
Citrus Culture Scrapbook. Collection of articles, clipped from various newspapers, June 1883 to November 1893, concerning the citrus industry in California and Florida (From F.F. Halma, previous owner J.E. Coit). [SB369.2 C2 C58 1883]
Biography
Frederick F. Halma was born on January 31, 1887 in Vienna, Austria. He immigrated to the United States to attend college and earned a Bachelor of Science degree from the University of Florida. In 1918, he relocated to Southern California and began working at the Citrus Experiment Station in Riverside, California as an assistant plant physiologist. In the early 1920s he moved to Berkeley, California to further his education and earned a doctorate from the University of California, Berkeley. Early in his career, Dr. Halma co-authored several leading publications on the chemical identification of citrus rootstock
with Dr. Albert Haas. In 1935, he transferred to UCLA and became a professor of subtropical horticulture there in 1946. One of Halma's most significant contributions to the citrus industry was the discovery of the relationship between sour orange rootstocks and the citrus quick decline disease. He was also well known for the network of partnerships he formed with Southern California citrus growers to create specific plots for citrus experiments and trials. These plots became an integral part of his research and the partnerships he established with growers would continue until his retirement from UCLA in 1954. After he retired Halma moved to San Diego, California, but continued his avocado research at the Citrus Experiment Station. Frederick F. Halma died in San Diego, California in 1963.

1887: Frederick F. Halma was born in Vienna, Austria.
1915: Halma graduated from the University of Florida with a Bachelor of Science degree.
1918: Halma began working at the Citrus Experiment Station in Riverside, California as an assistant plant physiologist.
1925: Halma earned his Ph.D. from the University of California, Berkeley.
1929: Halma co-authored several leading publications on the chemical identification of citrus rootstock with Dr. Albert Haas.
1932: Halma formed partnerships with citrus growers to create specific plots for citrus experiments and trials.
1935: Halma transferred to UCLA.
1944: Halma discovered the relationship between sour orange rootstocks and the citrus quick decline disease.
1946: Halma became a professor of subtropical horticulture at UCLA.
1955: Halma retired from UCLA and moved to San Diego, California.
1963: Frederick F. Halma died in San Diego, California.

Collection Scope and Content Summary
This collection contains project files, publications, photographs, and other material regarding the career of Dr. Frederick F. Halma, professor of subtropical horticulture at UCLA and research scientist at the Citrus Experiment Station in Riverside, California. Includes lecture notes, examinations, photographs and other material from Halma's Horticulture 102 class as well as handwritten field notes and publications regarding his citrus/avocado research. The bulk of Halma's research focused on citrus rootstock experiments and avocado rootstock trials. Additionally this collection contains press clippings and other material regarding the Riverside Parent Navel Orange Tree.

Collection Arrangement
This collection is arranged into three series. The contents of each series are arranged sequentially according to box and folder number. The series arrangement of this collection is as follows:


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

Subjects
Avocado.
Citrus.
Horticulture.

Uncovering California's Environmental Collections Project
University of California Riverside. Citrus Research Center and Agricultural Experiment Station.

Genres and Forms of Materials
Photographs.
Project files.
Publications.
Series 1. **Academic career. 1925-1955, undated.**

Series Scope and Content Summary
This series contains lecture notes, correspondence, photographs, and other material related to Dr. Frederick F. Halma’s career as a scientific researcher at the University of California. Includes lecture notes and exam questions from his Horticulture 102 class, research papers regarding horticulture, and correspondence related to his retirement in 1954.

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

| Box 1, Folder 1 | Typescript titled "Lecture on Tropical Fruit" by Dean Merrill. 1925. |
| Box 1, Folder 2 | Research papers written by colleagues and students regarding horticulture. 1944-1950. |
| Box 1, Folder 3 | Lecture notes from Horticulture 102 class. 1950-1952. |
| Box 1, Folder 4 | Lecture notes from Horticulture 102 class. 1953-1954. |
| Box 1, Folder 5 | Examinations from Horticulture 102 class. 1951-1954. |
| Box 1, Folder 6 | Photographs and negatives of Horticulture 102 class field trip to San Diego, California. 1946. |
| Box 1, Folder 7 | Correspondence of Frederick F. Halma regarding his retirement. 1954-1955. |
| Box 1, Folder 8 | Photographs and negatives of cherimoya fruit, kei apples and pistachio trees. 1938-1940. |
| Box 1, Folder 9 | Press clipping from the *California Citrograph* (August 1954) regarding the retirement of Frederick F. Halma. 1954. |
| Box 1, Folder 10 | Lantern slides of cherimoya fruit. undated. |

Series 2. **Citrus research and industry. 1919-1956, undated.**

Series Scope and Content Summary
This series contains publications, project files, photographs, and other material regarding citrus research conducted by Dr. Frederick F. Halma at the Citrus Experiment Station in Riverside, California and throughout Southern California. Includes project files regarding Citrus Project 193-D, press clippings and correspondence regarding the Riverside Parent Navel Orange Tree, and publications regarding the citrus industry.

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

| Box 1, Folder 8 | Documents written by Frederick F. Halma to the Dean about research projects, expenses, and World War II activities. 1944-1954. |
| Box 1, Folder 11 | Annual reports and summaries regarding citrus projects and experiments conducted by Frederick F. Halma. 1926-1932. |
| Box 1, Folder 12 | Annual reports and summaries regarding citrus projects and experiments conducted by Frederick F. Halma. 1933-1954. |
| Box 1, Folder 13 | Correspondence between Frederick F. Halma, citrus growers, and colleagues regarding citrus projects and citrus plots. 1950-1956. |
| Box 1, Folder 14 | Research conducted by Frederick F. Halma regarding citrus fruit and trees. 1952-1954, undated. |
| Box 1, Folder 15 | Press clippings regarding Frederick F. Halma and his citrus research. 1945-1946, undated. |
| Box 2, Folder 1 | Publications written by Frederick F. Halma regarding citrus research and the citrus industry. Includes a numbered bibliography that lists both citrus and avocado publications in chronological order (Note: avocado publications are located in Series 3). 1919-1929. |
| Box 2, Folder 2 | Publications written by Frederick F. Halma regarding citrus research and the citrus industry. 1931-1941. |
| Box 2, Folder 3 | Publications written by Frederick F. Halma regarding citrus research and the citrus industry. 1942-1952. |
| Box 2, Folder 4 | Project files regarding Citrus Project 193-D, a comparative study of oranges and lemons propagated by cuttings and budding. 1933-1937, undated. |
Box 2, Folder 5  Project files regarding the J.W. Wing plot of citrus trees that were part of Citrus Project 193-D. 1933-1946, undated.
Box 2, Folder 6  Project files regarding the Citrus Experiment Station S1, Block C Plot of citrus trees that were part of Citrus Project 193-D. 1932-1952.
Box 2, Folder 7  Press clippings and correspondence regarding an orange tree that Frederick F. Halma donated to the City of Riverside that was produced from the cuttings of the Riverside Parent Navel Orange Tree. Includes press clippings about Eliza Tibbets and the origins of the Riverside Parent Navel Orange Tree. 1934-1936.
Box 2, Folder 8  Photographs and negatives of white sapote fruit and of wooden frames built around orange trees where soil temperatures were recorded. 1938-1940.
Box 2, Folder 9  Photographs of an unidentified citrus experiment station. undated.
Box 2, Folder 10  Photographs of the 1928 St. Francis Dam disaster that occurred near Santa Clarita, California. 1928.


Series Scope and Content Summary
This series contains publications, project files, photographs and other material regarding avocado research conducted by Dr. Frederick Halma at UCLA and throughout Southern California. Includes documents regarding avocado rootstock trials/experiments, project files on avocado variety studies, and photographs of avocado trees during the freeze of January 1937.

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

Box 3, Folder 1  Report (1943-1953) on the progress and findings of Frederick F. Halma’s avocado rootstock experiments. 1953.
Box 3, Folder 2  Documents regarding avocado rootstock trials conducted in California by Frederick F. Halma. 1944-1953.
Box 3, Folder 3  Annual reports and summaries regarding avocado rootstock investigations. 1945-1963.
Box 3, Folder 4  Documents and correspondence regarding avocado rootstock investigations and the avocado plots/trees involved in the investigations. 1944-1961.
Box 3, Folder 5  Documents regarding the California avocado plots involved in avocado rootstock investigations, trials, and experiments. 1948-1953.
Box 3, Folder 6  Project files regarding an avocado variety project conducted by Frederick F. Halma. 1949-1954.
Box 3, Folder 7  Documents and photographs regarding the effect of low temperatures on avocado trees during the freeze of January 1937. 1937-1939.
Box 3, Folder 8  Publications written by Frederick F. Halma regarding avocado research and the avocado industry. Includes a numbered bibliography that lists both citrus and avocado publications in chronological order (Note: citrus publications are located in Series 2). 1937-1952.
Box 3, Folder 9  Press clippings about Frederick F. Halma and his avocado research. 1948-1949.
Box 3, Folder 10  Photographs and negatives of avocado fruit, avocado trees, and of Frederick F. Halma and his wife working with young avocado trees. 1940-1954.