

Guide to

MSCIT 004

Dr. O.C. Bryan Papers,
1924-1969

8 linear inches

Processed by: Amy Skillen, Archives Technician
Spring 2021

Preferred citation: Dr. O.C. Bryan Papers, 1924-1969, MSCIT 004, Box # Folder #, McKay Archives, Florida Southern College, Lakeland, Florida.

Sarah D. and L. Kirk McKay, Jr. Archives Center
Florida Southern College, Lakeland, Florida

Biographical Sketch:

Dr. Ollie Clifton "O.C." Bryan was born in 1894 in Alabama. He earned his Bachelor of Science from the Alabama Polytechnic Institute and his Master of Science and PhD from the University of Wisconsin. After earning his PhD, Dr. Bryan joined the University of West Virginia as an Assistant Soil Chemist. In 1923, Dr. Bryan joined the University of Florida as an Assistant Professor of Agronomy. By 1927, he had become a Professor as well as the Head of the Department. In 1937, he left the University of Florida for Dolomite Products, Inc. in Ocala to become the Research Director. In 1939, he became the Technical Director of the newly formed Soil Sciences Foundation, which was originally located at Florida Southern College; Dr. Bryan held this position until his death on January 2, 1970. In 1972, he was posthumously inducted into the Florida Citrus Hall of Fame.

Dr. O.C. Bryan was known for his studies into chemistry, nutrition, and soil technology as well as land appraisal. He made discoveries such as the nutritive properties of copper in crop growing and that the disease Bronze Leaf was due to a magnesium deficiency in citrus. He also wrote numerous articles and bulletins on citrus and soil related topics, including multiple editions of "Malnutrition Symptoms of Citrus with Practical Methods of Treatment" and "The Soils of Florida and Their Utilization."

Scope and Content Note:

The materials in this collection reflect Dr. O.C. Bryan's time as a researcher at both the University of Florida and the Soil Sciences Foundation. In addition to biographical information from newspapers, and some notes, the collection is arranged in two series – **Publications** and **Research Projects**.

The **Publications** series includes writings that span his career from 1924 to 1969. Dr. Bryan wrote bulletins and magazine articles focused on his citrus and soil research. This series is arranged chronologically.

The second series of **Research Projects** consists of documentation reflecting his work primarily during his time at the University of Florida from 1923 to 1937. The files, arranged chronologically, contain project proposals as well as research findings and notes.

Permission to Publish:

Permission to publish material from the Dr. O.C. Bryan Papers must be obtained from Sarah D. and L. Kirk McKay, Jr. Archives Center. Please inquire if you have questions at 863-680-4453.

Provenance Statement:

It is unknown when the Dr. O.C. Bryan Papers were donated to the Thomas B. Mack Citrus Archives. The Thomas B. Mack Citrus Archives were transferred to the Roux Library in 2005 then to the McKay Archives Center in 2009.

Notes to Researchers:

When received from the Thomas B. Mack Citrus Archives, the materials in this collection were comingled with three other collections: Soil Science Foundation Records, Dr. James R. Iley Papers, and Polk County Fertilizer Company Records. Every effort has been made to return materials to their respective collections.

For Research Projects, when there was a not a title for a project, the topic of the project was given instead.

Box	Folder	Title	O.C. Bryan 4
1	1	Biographical Information	
1	2	Correspondence, 1930, 1964	
		Publications and Written Works	
1	3	"Chemical Analyses and Fertility of West Virginia Soils," July 1924	
1	4	"The Soils of Florida," May 1925	
1	5	"The Soils of Florida and Their Utilization," October 1930	
1	6	"The Accumulation and Availability of Phosphorus in Old Citrus Grove Soils," December 1932	
1	7	"Genesis and Morphology of the Red Soils in the Southeastern United States," November 1934	
1	8	"The Mineral Content of Soil Types as Related to 'Salt Sick' of Cattle," February 1935	
1	9	"The Soils of Florida and Their Utilization," August 1935	
1	10	"The Scope of Soil Surveys," September 1935	
1	11	"Deficiency Symptom Patterns in Citrus," March 1938	
1	12	"Deceptive Nature of Soil pH Analyzed and Explained," ca. post-1939	
1	13	"Malnutrition Symptoms of Citrus with Practical Methods of Treatment," ca. post-1939	
1	14	"Course in Conservation of Florida Soils for Florida High Schools: Soil," ca. 1930s	
1	15	"Malnutrition Symptoms of Citrus with Practical Methods of Treatment," March 1940	
1	16	"How to Feed Citrus Trees for Production and Profit; The New Grower Sponsored Bulletin," May 1940	
1	17	"Soils of Florida and Their Utilization," July 1940	
1	18	"Soils of Florida and Their Utilization," November 1946	
1	19	"What Becomes of Citrus Fertilizer?," November 1946	
1	20	"Agricultural Conservation," July 1948	
1	21	"Malnutrition Symptoms of Citrus with Practical Methods of Treatment," September 1950	
1	22	"Fertilizer and Soil Amendment Studies with Pineapple Oranges on Lakeland Sand," December 1951	
1	23	"Acid Fertilizers, Sulphur Sprays," October 1955	
1	24	"Fertilizer and Soil Amendment Studies with Pineapple Oranges on Lakeland Sand," September 1956	
1	25	"Malnutrition Symptoms of Citrus with Practical Methods of Treatment," November 1957	
1	26	"Soils of Florida and Their Crop Adaptation," June 1958	
1	27	"The Struggle for a Scientific Use of Magnesium in Fertilizer," July 1958	
1	28	"Iron Is Needed by Many Soils," August 1958	
1	29	"Major Trace Elements in Florida Agriculture," September 1958	
1	30	"Lime and Dolomite in Florida During the Past 50 Years," October 1958	
1	31	"The Discovery of the Nutritive Value of Trace Elements in Florida," November 1958	
1	32	"The Mysterious Role of Potassium in Plant Growth and Citrus Fertilizer Practices," March 1959	
1	33	"Soils of Florida and Their Crop Adaptation," June 1960	

1	34		"Malnutrition Symptoms of Citrus with Practical Methods of Treatment," August 1961
1	35		"Pros and Cons of Soil Testing (Analysis) as a Guide to Citrus Fertilization," August 1961
2	1		"The Response of Young Citrus Trees to Lime Mixed with the Soil Profile (Including Hardpan) in Leon-Immoklee Fine Sands," August 1962
2	2		"Soils of Florida and Their Crop Adaptation," November 1962
2	3		"The Story of Nitrogen in Citrus Production on Lakeland Sand Showing an Annual Leaching Loss of Several Million Dollars," ca. 1966-1970
2	4		"Some Major Contributions to Plant Nutrition and Florida Agriculture," July 1968
2	5		"The Phosphate Story in Florida Sands," October 1969
			<i>Unpublished Writings</i>
2	6		Notes, 1969, n.d.
2	7		Notes on Soil Surveys, ca. 1960s
			Research Projects
2	8		The Influence of Method of Applying Phosphorus and Potash Fertilizers on the Production of Citrus, ca. 1923-1937
2	9		The Influence of Time of Turning and Method of Treating Green Manure Crops on the Accumulation of Nitrate Nitrogen in Some Florida Soils, ca. 1923-1937
2	10		Peanuts and Water Table, 1927-1928
2	11		The Production and Quality of Grapefruit as Affected by (A) A Single Source of Nitrogen Compared with a Combination of Sources and (B) The Time and Rate of Applying Nitrate of Soda. (C) The Time of Applying the Phosphate and Potash, 1928
2	12		The Effect of Varying Amounts of Potash on the Yield and Quality of Potatoes, 1928, 1930
2	13		Chilean Nitrate of Soda Educational Bureau Fellowship, 1930
2	14		The Growth and Production of Tung Oil Trees as Affected by Different Fertilizer and Cover Crop Treatments, 1931
2	15		Soil and Climatic Adaptation of Brotex, 1931
2	16		The Influence of Soil Type on the Production and Quality of Citrus, 1932
2	17		The Comparative Value of Water Soluble and Insoluble Organic Nitrogen Fertilizers, ca. 1934-1937
2	18		The Growth and Behavior of Different Crops as Affected by the Impurities in Natural Nitrate of Soda, 1936
2	19		Chilean Nitrate of Soda Educational Bureau Fellowship, ca. post 1939
2	20		The Comparative Value of Crotalaria and Nitrogen Fertilized Grasses as a Means of Growing Soil Organic Matter, and the Resultant Effect of These Sources of Organic Matter on the Behavior of Citrus, n.d.
2	21		General Projects, n.d.
2	22		The Growth and Response of Citrus Trees as Affected by Minimum Concentrations of Phosphorus and Potassium in the Soil Solution, n.d.
2	23		The Influence of Colloidal Phosphate on the Yield and Mineral Content of Certain Fruit and Vegetable Crops, n.d.