

**Extent:** 3 cu. ft., 20 photographs, 4 negatives

**Inclusive dates:** 1940 - 1980    **Bulk dates:** 1955 - 1965

**Provenance:** The records originated in the office of the Director of Research. They were transferred to the archives in 1988 along with other records of the College of Industrial Management and Textile Science. This series incorporates accession 88-70.

**Restrictions:** There are no restrictions on access.

**Processing:** Jamie D. Minick, student assistant, March 1999.

**Administrative history note:**

- 1927 Textile Testing and Textile Research Center created
- 1958 Department of Research established, William Rainey, Head.  
The department, which was administered by the School of Textiles and the Office for Development, was formed in response to industry needs. The Southeastern Regional Ginning Laboratory, Department of Agriculture Fiber Testing Laboratory, and American Cotton Manufacturers Institute Laboratory were all located at Clemson.
- June 1959 Thomas Efland named Head, Textile Research Department
- October 1963 Efland named Associate Dean and Director of Research

**Scope and content:**

This series contains the records of the Director of the Textile Research Department, Thomas D. Efland. The records include correspondence, publications, photographs, and research reports. The records span the years 1955-1969; they are arranged alphabetically by subject.

The correspondence documents the operation and activities of the department under Rainey and Efland. Principal correspondents include executives of textile companies in the southeast, for example, J.P. Stevens and Deering Milliken; chemical companies such as Dow Chemical, Dupont, and Proctor and Gamble; officials with the United States Department of Agriculture; officers of professional societies and associations such as American Association of Textile Chemists, National Cotton Council, and the National Council for Textile Education; and

University faculty and staff. Some files relate to Efland's service as the treasurer and chair of the American Association for Textile Technology. Many of the research reports within the records pertain to relationships between fabrics and color, fabrics and the chemicals exposed to them, and techniques of material fabrication (natural and synthetic).

For a complete listing of subjects and correspondents, please see the "Folder Inventory" that follows.

**Subject headings:**

- Clemson University--Curricula
- Clemson University--School of Industrial Management and Textile Science
- Clemson University--School of Textiles
- Cotton--Grading
- Cotton Manufacture--South Carolina
- Cotton--Research--United States
- Cotton Spinning
- Cotton--Testing
- Dyes and Dyeing -- Cotton
- Textile Fabrics -- Analysis
- Textile Fabrics -- Testing

**Added entries:**

- American Association for Textile Technology
- American Cotton Manufacturers Institute
- American Enka Corporation
- Edwards, Robert C.
- Efland, Thomas D.
- Gentry, David
- Heyn, A. J.
- Olson, Edward S.
- Rainy, William T.
- United States Department of Agriculture

**Folder inventory**

Box	Folder	Folder title
1	1-9	A--General, 1959-1969

10	Accounts, 1960-1961
11	Adams, L.C., 1959-1960
	A.E. Staley Manufacturing Company
12	[chelating study], 1960-1961
13	[correspondence], 1960-1961; 1963
14-16	Air Conditioning, 1960-1963
17-20	American Association for Textile Technology, 1960-1968
21-24	American Cotton Manufacturers Institute, 1959-1960
	American Enka Corporation
25	1960-1961
26	1968-1969
27	American Gas Association, 1962-1963
28	American Society for Testing Materials, 1959-1960
29	American Society of Mechanical Engineers, 1960-1961
	American Textile Manufacturer's Institute
30	1962-1963
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	1966-1969
2	Amerstron Corporation, 1960-1961
3	Applications, 1962-1963
4	Armour and Company, 1958
5-9	B-General, 1959-1960
10	Beloit Corporation, 1965
	B.O.D.[Biological Oxygen Demand] Study,
11	Clinton Corn Products, 1961-1961
12	Warwick (Goldenmberg), 1963
13	Board of Trustees, 1958-1962
14	Borg Fabrics, 1967
15	Buckeye Cellulose Corporation, 1960
16	Business and Finance, 1974-1977
17	Butterworth Manufacturing, 1967
18-22	C-General, 1959-1967
23	Catlin Farish Co., 1964-1965
24	Ceramic Fiber, 1960-1961
25	Charleston Rubber Co., 1964
26	Chemical Laboratories, 1961-1962
27	Chemical Projects Under Construction, 1959
28	Chemistry Laboratories, 1968
29	Chemstrand Corporation, 1961-1965
30	Clemson College, 1963
31	Clinton Corn Processing Co., 1960-1961
32	College Research Council, 1960-1961
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	2	Computers, 1960-1961	
	3-6	Conferences, Symposiums [sic], Meetings	
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	7	Cotton-Zephran Analysis, 1960-1961	
	8	Cotton Classing Course, 1960	
	9	Cotton Stretch Yarn Inquiries, 1959	
	10	Curriculum Committee, 1961-1962	
	11-12	D-General, 1959-1969	
	13	Deering Milliken, 1964-1977	
	14	Dow Chemical, 1959	
	15	Draper Corporation, 1960-1961, 1964-1965	
		DuPont	
	16	[Camden, SC], 1958-1959	
	17	[Wilmington, Delaware], 1959-1961	
	18	1964-1965, 1969	
	19-21	E-General, 1959-1968	
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	22	1959-1960	
	23	1961-1968	
24-25	Efland, T.D.		
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		AATT, Treasurer	
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	1974-1980		
	10	Equipment, 1964-1965	
	11	Equipment Needs, 1966-1969	
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	14-15	Faculty Basic Research Committee, 1961-1963	
	16	Fancourt (Inactive), 1962-1963	
	17	Fort Hill Presbyterian Church, 1960-1962	
	18	Fiber Identification, 1959-1960	
	19	Fiber Science Program, 1963	
	20	Fiber Society, Inc., 1959-1963	
	21	Financial Statement-Research Accounts, 1962-1963	

	22	Flax, 1964
		G-General
		1960-1963
5	1	1964-1965
	2	1968-1969
	3	Gaston Gage, 1959-1963
		David Gentry
		1960-1965
		AATT Secretary
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	13, 14	General Electric Computer, 1968-1969
	15	General Tire and Rubber Company, 1960-1961
	16	Gifts, 1965-1967
	17	Graham, John, 1959
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	19	Harris Research Laboratories, 1960
	20	Heyn, A.J., 1959
	21	Hunter Plastic Sales, 1963
	22	I-General, 1962-1973
	23	I.B.M., 1963-1964
	24	Industry Letters, 1958
	25	Institute of Textile Technology, 1959-1960
	26	J-General
		1960-1964
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	2	Jervey, Frank J., 1959
	3	Joanna Mills, 1958-1960
	4	Job Descriptions, 1967
	5	J.P. Stevens, 1960-1961
	6	K-General, 1959-1965
	7-10	Keegan, Harry- Color Measurement Seminar
		1965
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		Color Measurement Workshop, 1967
		Correspondence, 1968
	11	Knitting (Joyce Farr), n.d.
	12	Kress Committee, 1960-1961
	13	L-General, 1960-1968, 1974-1980
	14	Liberty, E.S. (Purchasing), 1960-1961
	15	Linen, 1964
	16	Loans of Equipment, 1966
	17-19	M-General
		1959-1962
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	20	Macaulay, Hugh, Dean of Graduate School, 1962-1963
	21	Mayfair Mills, 1967
	22	Mayco, Inc., 1965
	23	Meetings, 1959
	24-30	Memoranda 1964 1965 1966-1967 1968 (Jan.-Aug) 1968 (Sept. -Dec.) 1969 (Jan. - Aug.) 1969 ( July- Dec.)
7	1	Mills, 1958-1960
	2	Miscellaneous, 1959-1960
	3	Morton Chemical Co., 1966
	4-5	N-General 1959-1964 1966-1969,1976
	6	National Association of Hosiery Manufacturers, 1957
	7-10	National Cotton Council 1958-1962 1963 1963 1964-1969
	11-12	National Council for Textile Education 1964-1965 1966-1969
	13-14	National Science Foundation 1964-1966 1967, Undergraduate Equipment
	15	National Textile Manufacturers Society, 1959
	16	Newell, William A., 1957-1959
	17	Nordson Southern, Inc., 1960-1964
	18	North Carolina State College- Textile Research, 1959-1960
	19	O-General, 1962-1964
	20	Ocone Mills, 1959-1963
	21-23	Olson, Edward S. 1959-1961 1962
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		1963-1964
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	7	Orlon, 1960-1961
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		1960-1964
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	11	Pabst Brewing Co., 1961-1963
	12	Patent Committee, 1963-1964
	13	Patent Policy, 1963
	14	Patents, 1957-1960
	15	C.H. Patrick Chemical Co., 1967-1968
	16	Perkins, Henry, 1963-1964
	17-18	Personnel
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	19-22	Pilot Plant
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	23-26	Pilot Plant Agreement
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	27-28	Pilot Plant, Fiber Results
		1963
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9	1	1964
	2	Pilot Plant Research, 1957-1958
	3	Pittsburgh Glass Co., 1961
	4	Proctor and Gamble, 1964
	5-15	Projects, 1964-1965
		No. 46, n.d.
		No. 60 -Dying Data, n.d.
		No. 61- Analysis of Data, 1962
		No. 74, 1962
		No. 76 - Dow Chemical Co., 1963
		Cohesion Tests, J.P. Stevens, 1962
		USDA Lint Cleaner Study, 1962
		No. 60- Special Weaving Methodology, 1963
		No. 201- Roller Ginning vs. Saw ginning, 1964
		No. 201- Weaving of Yarns, 1964

	16-22	Proposal Stretch type cotton, 1962 Development of weather, 1962 Slashing, 1964-1965 Investigation of the reaction, 1964 New Orleans, 1964 "Determination of Optimum Yarn", 1964 1967-1968
	23	Purchase Requisitions [10% sample], 1960s
	24	Q-General, 1958-1962
10	1-3	R-General 1960-1962 1963-1964 1965-1969
	4	Radoisotope Seminar, 1958
	5	Ralph E. Loper Co., 1965
	6	Reeves, Wilson, 1968
	7	Research Establishments, 1958
	8	Research Equipment, 1963
	9	Research Faculty Council and Faculty Senate, n.d.
	10	Requests for Reprints, 1963-1964
	11-12	Robbins, Paul E. 1960-1964 1965-1966
	13	Rock Hill Printing and Finishing, 1965-1966
	14-20	S-General 1960-1961 1962 1963 1964 1965 1966 1967-1969
	21	Scholarships and Fellowships, 1967
	22	Shell Chemical Company, 1964
	23-24	Sirrine Foundation 1959-1960 1961-1962
	25	Sirrine Hall Floor Plans, n.d.
	26-27	Sirrine Library 1959-1961 1965
	28	Sirrine Hall Renovation, 1969
	29	Sirrine Hall Report, 1964
11	1	Southern Textile Association, 1965-1966, 1979



	2	Southern Utilization Research and Development Div., 1958-1960
	3	Special Instruments, 1963
	4	Speech Reprints (William A Newell), n.d.
	5	Speech Reprints (assorted), 1956-1958
	6	Speech Reprints, 1961
	7	Staff Memorandum, 1960-1964
	8	Stanford Research, 1963
	9	Stevens, J.P. and Co., 1964-1965
	10	Summer Textile Chemistry Program, 1964
	11	T-General, 1959-1969, 1980
	12	Teaching File, n.d.
	13	Texize Chemicals, 1963
	14	Textile Research Institute, 1962-1969
	15-16	Textile Research Institute Notes on Research 1958-1959 1960
	17	Textile Yarns, 1960-1961
	18-20	Trevillian, Wallace D. Dean 1963-1964 1965 1966-1967
	21	Trip Reports, 1967-1969
	22-24	U-General 1960-1962 1963 1964-1969
	25	UBS Chemical Corporation, 1958
	26	United Merchants and Manufacturers, 1960-1966
	27	U.S. Navy Clothing and Textile Research Laboratory, 1958
	28	U.S. Air Force Proposal, 1965
	29	U.S. Army Proposal, 1963-1966
	30	U.S. Atomic Energy Commission, 1958
	31-32	USDA 1963-1966 1967-1969
12	1	USDA- Calvin Golumbic, 1961
	2-4	USDA Pilot Spinning Committee 1963 1965
	5	USDA Pilot Spinning Lab, 1959
	6	USDA Slashing, 1959
		USDA- Southern Utilization Research and Development Division
	7	1960-1962
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	10	1965-1966 U.S. Dept. of Commerce
	11	1959
	12	1962
	13	1963-1964
	14	Civilian Industrial Program, 1964-1965
	15	Civilian Industrial Technology Division, 1963
	16	United Shoe, 1964
	17	University of Virginia, 1964-1965
	18	Uster Instruments, 1960
	19	V-General, 1961-1963 Visitors
	20	1958
	21	1965
	22	1966-1967 W-General
	23	1958-1961
	24	1962-1963
	25	1964-1966
	26	1967-1969
	27	Weaving Proposal, 1964
	28	Whitin Machine Works, 1960-1964 Williams, Jack K.
	29	1959-1960
13	1-3	1961 1962-1963 1964-1965
	4	Woodside Mills, 1958
	5	Y-General, 1965
	6	Yarn Department, 1962-1964
	7	Z-General, 1964

### Photographs

These photographs were separated to ensure their preservation.

Folder 8 Individuals (all 5"x7," undated)

John Birkhead, Jr.

Joseph Brice

Steven Bundy

Archie Davis

John L. Fancourt

Walter L. Fancourt, Jr.

Walter L. Fancourt III

Robert Froeber

George Gallico

Gordon Hanes  
C. Norris Rabold  
Ray Reubel  
John Sherill

Folder 9 Subjects

Burlington Display, State College, 1963

Cotton Classing Course, 1960

Oresearch, Owen Richards Co., 1962 (4 prints, 4 negatives, all 4"x5,"showing  
microscopic views of fibers)

Radioisotope Seminar, 1958 (2, 8"x10")

**Publications**

Folder 10 Report

"A Half-Century of Textile Research at Clemson - Contribution and Need", n.d.