

COLLECTIONS OF CORRESPONDENCE AND MANUSCRIPT DOCUMENTS

NAME OF COLLECTION: Earl I. SPONABLE PapersSOURCE: Gift of Alex Alden, 1981SUBJECT: Sound on film; color cinema, television; theatre television, CinemascopeDATES COVERED: 1928 - 1968 NUMBER OF ITEMS: ca. 75,000

STATUS: (check appropriate description)

Cataloged: Listed: Arranged: Not organized:

CONDITION: (give number of vols., boxes, or shelves)

Bound: Boxed: 125 Stored: 4 oversize folders; one package of nitrate filmLOCATION: (Library) Rare Book and Manuscript Library CALL-NUMBER Ms Coll/SponableStack 14, Range 12RESTRICTIONS ON USE None. (Access to nitrate film samples stored inReprography Department freezer (Room 110 Butler Library) requires several days advance notice)

DESCRIPTION:

Correspondence, memoranda, reports, laboratory notebooks, technical drawings, film samples, screen samples, photographs and printed material of Earl I. Sponable (1895-1977), Chief Engineer and Director of Research for Twentieth Century Fox Film Corporation and its subsidiaries from 1926 to 1962. Sponable, who received a bachelors degree in chemistry from Cornell University in 1916, was active in many aspects of research and development in broadcast and movie media, particularly in early sound film. The collection, which is almost entirely technical and commercial in nature, relates especially to Movietone News and to the Fox laboratories' work with color film, television, theatre television and the Eidophor system, and Cinemascope. Also included are files relating to the Society of Motion Picture and Television Engineers, of which Sponable was a member and an officer. There is cataloged correspondence from Sir Edward Gordon Craig, Lee deForest, Samuel Lionel Rothafel, Spyros P. Skouras and Darryl F. Zanuck.

For complete list of collection, see the following pages.

mbb
3 June 1983

THE EARL I. SPONABLE PAPERS

Fox Corporations Research and Development Division

Biography

Earl I. Sponable was born in Plainfield, N.Y., 18 September 1895, attended public schools and in 1916 received the degree of Bachelor of Chemistry from Cornell University. Following his graduation he established, with Theodore W. Case, the Case Research Laboratory at Auburn, N.Y., holding the position of Chief Research Chemist. During World War I he was a civilian consultant to the Naval Experimental Station at New London, Connecticut, working on secret infra-red signalling systems. He remained at Case Laboratories until 1925, working primarily on electrical and mechanical components of sound-on-film recording and reproducing; in the early 1920s he achieved successful television transmission on a closed-circuit system.

Sponable joined the Fox Film Corporation in 1926, and was their Chief Engineer and Director of Research until 1962. He held approximately twenty patents, primarily relating to sound on film, and was the primary developer of the Movietone News newsreels. He was an active member of the Society of Motion Picture Engineers (later the Society of Motion Picture and Television Engineers) and served as its president in 1949-1950. He died on 16 November 1977.

For further biographical information see: 1) Sponable Papers Box 61, Exhibit 22, and 2) Society of Motion Picture and Television Engineers Journal, February 1978, page 95.

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Earl I. Sponable

Earl I. Sponable, an Honorary Member of the Society, died on 16 November 1977 at the age of 82 following a short illness.

Born in Plainfield, New York, 18 September 1895, he was graduated from Cornell University in 1916 with the degree of Bachelor of Chemistry. Immediately after graduation, he joined with T. W. Case in establishing the Case Research Laboratory in Auburn, New York, and spent the next ten years in pure research and development work on audion amplifiers and on photo-active materials, particularly of infrared sensitive types. Noteworthy among the developments of these years were the first Thalofide cells, used as the basis of an infrared signalling system during the First World War. These war years were spent as a civilian consultant at the Naval Experimental Station in New London, Conn.

After the war, Sponable returned to the Case Research Laboratory, and actively interested himself in the problems of recording sound-on-film. Under his direction, Case developed the gas discharge lamp known as the Aeolight for recording and the Thalofide cell for the reproduction of sound. The Aeolight was used in the Fox Movietone system as well as in the Fox West Coast studio recording systems during the 1931-33 period. This early work on sound recording was made with the Thermophon microphone designed and built by Earl Sponable, an unique utilization of heated platinum wires resulting in a very high quality record. He designed most of the electrical and mechanical units required for a complete system of sound-on-film recording and reproducing, which constituted the basis for the sound motion-picture industry of today.

Among these and subsequent developments was a single-system sound and picture camera which permitted recording the sound directly on the sprocket, theater reproducing equipment, portable amplifying equipment, and a sound screen of woven material that allowed the sound waves to pass through and thus enabled theaters to install the speakers directly behind the screen.

In the early twenties, Earl Sponable became interested in television and succeeded in transmitting 20-line pictures using a modified Nipkow scanning drum.

In 1926, he joined the Fox Film Corporation and assisted in the development of commercial sound motion pictures, and in the same year designed and built the first sound motion-picture studio — soundproofed, acoustically treated and air conditioned.

In 1927, he participated in the creation of the first sound newsreel and organized it into a worldwide news coverage medium.

Peter Carl Goldmark

Peter Carl Goldmark, one of the great inventors of this age, was killed 7 December 1977 in an automobile accident on the Hutchinson River Parkway in Westchester County. He was 71 years old.

Only two weeks before his death he received the National Medal of Science from President Carter at a White House ceremony honoring Dr. Goldmark together with 14 other top scientists.

A man of vision, one of his plans for the future was the New Rural Society. Under this far reaching plan, new applications of communications technologies would result in a more even distribution of the population by a move away from the congested urban centers to underdeveloped rural regions. Dr. Goldmark's concern for the future of this country — and the world — had been frequently expressed. At one time he had said, "Unless we plan for a radical change, by the year 2100 the depletion of our nonrenewable resources will probably bring about a rapid end to our civilization."

Under his technical direction, Movietone News was equipped, running to over fifty crews in all parts of the world. Among some of the notable news items recorded by Earl Sponable was the report on the Lindbergh flight and Lindbergh's reception by President Coolidge.

From 1926 to 1962, he held the position of Technical Director in charge of research and development work of Fox Film Corporation, subsequently Twentieth Century-Fox Film Corporation. During the Second World War, he served on the Film Conservation Committee of the War Production Board and represented Twentieth Century-Fox Film Corporation in the Television Broadcasters Association.

During the early thirties, Earl Sponable made a survey of every color process known to literature, or covered by patent; the more promising ones were actually set up in the laboratory and experimentally checked. This led to the development of the lenticular color process which, with the cooperation of John Capstaff of Eastman Kodak Co., was successfully demonstrated at the Roxy Theater in New York City.

In addition to his contributions to the development of sound-on-film and the extensive program of color investigation (which has added substantially to the fund of knowledge of the commercial problems entering into the production of motion pictures in color), he has been responsible for many detailed developments in the motion-picture field, such as the development of a system of wide film (35mm) sound motion pictures called *Fox Grandeur*. The first picture, *Fox Movietone Follies*, opened in the New York Gaiety Theater in September 1929. This was followed by *Happy Days* and *The Big Trail* at the Roxy Theater in 1930.

Some twenty years later, he supervised the development of CinemaScope, including the use of magnetic stereophonic sound on 35mm film with an anamorphic picture. Launched in 1953 with the showing of *The Robe*, the system achieved worldwide acceptance. Over 50,000 theaters were equipped for showing wide screen motion pictures.

Then came the design and building of equipment for the use of a large anamorphic picture negative area (53mm film). Two releases, *Carnegie* and *The King and I*, were exhibited in 1956 as 35mm reductions.



Among Dr. Goldmark's revolutionary inventions are the long-playing record (introduced in 1948); the first successful color television broadcast system; Electronic Video Recording (EVR); field sequential color television; and the high-resolution readout and ground recording system used in the U.S. Lunar Orbiter Program. The field sequential system, miniaturized by

cont. on p. 96

Earl Sponable had been among the foremost in recognizing the relationship between motion pictures and television, particularly with respect to large screen theater presentation of televised program material.

This was clearly reflected in his sponsorship of the Swiss-developed Eidophor large screen color television system (described in a paper by E. Labin in the April 1950 issue of the *Journal*) which bids fair to influence the creation of providing television-distributed entertainment in the theater with ample illumination.

Earl Sponable can be characterized as one who throughout the years always strove vigorously to improve the quality of the motion-picture industry. Recognition of his personal and professional achievements is evident in the many honors and awards presented to him.

A member of the Society since 1926, he was President for the 1949-1950 term. He was also a member of the Association for the Advancement of Science, a member of the American Chemical Society, Alpha Chi Sigma and Sigma Xi.

In 1953 he received recognition from the Academy of Motion-Picture Arts and Sciences being awarded an Oscar for heading up the development of the CinemaScope system which was accepted internationally.

In addition, he received three SMPTE awards in 1951: Honorary Membership for a lifetime's work in the advancement of engineering in motion pictures and television, the Progress Medal Award for outstanding technical contributions to the motion-picture and television industries, and the Samuel L. Warner Memorial Award for outstanding contributions in the development of sound-on-film.

Additional evidence of the technical contribution is an impressive list of some 20 patents issued to Earl Sponable and a number of published papers on various subjects including newsgathering, film processing, sound recording and theatrical production of television.

Earl Sponable is survived by his wife, Marie, and a daughter, Kathryn (Mimo), both living in Lake Forest, New York, where the family has resided a home for the past fifteen years. The members of the SMPTE will mourn the loss of one of the great pioneers of the motion-picture and television industries. — John G. Frayne

THE EARL I. SPONABLE PAPERS

Fox Corporations Research and Development Division

Box 1 CATALOGED CORRESPONDENCE

Craig (Sir) [Ernest] Gordon
deForest, Lee
Rothafel, Samuel Lionel
Skouras, Spyros P.
Zanuck, Darryl F.

GENERAL FILES

- 2 A, 1930-1931 Shelved off-site
Academy of Motion Picture Arts and Sciences, 1930-1932
Accounting Department, 1930-1931
Accounting Department, 1932
Acoustic control data
Acoustic data, 1932
Acoustic material, 1930-1931
Address lists, 1932
Aeo Light data, 1930-1931 (SEE ALSO: Photo-electric cell calculations; Hotcats)
*Aeo Light tests (Hoffman), 1931
- 3 *Aeo Lights
Aeo Lights, 1932 Shelved off-site
Aeo Lights, 1933
Aeo Lights, 1939-1941
Air conditioning
Amplifier Data, 1930-1931 (2 folders)
Aperture data, 1932
Assignment data
Astro-Gesellschaft
*B, 1930-1931
B, 1932
- 4 Battery data, 1930-1931 Shelved off-site
Bausch & Lomb Optical Company, 1930-1931
Bausch & Lomb Optical Company, 1932
Belts, 1930-1931
Biased recording, 1930-1932
Blueprint list
Blueprints, 1930-1931
Bragg, Herbert E.
Bragg, Herbert E. (L-Z)
C, 1930-1931
C, 1932
Cable data
Camera data, 1930-1932
Camera Equipment
Cartoon data
Case, Theodore W., 1944-1945
Case Research Laboratory, 1930-1931

*Film removed; SEE FILM SERIES/Nitrate

**Film removed; SEE FILM SERIES/Safety

Screen material removed; SEE FILM SERIES/Screen Material

Box 5 Case Research Laboratory, 1932
 Case Research Laboratory, 1933 **Shelved off-site**
 Clarke, Harley L., 1930-1932
 Construction, Building - data
 Construction of Research and Development Division
 Correspondence, Departmental, 1952
 Curves
 D, 1930-1932
 Denison & Thompson (E.A. Thompson)
 Developer, 1930-1931
 Developer data, 1932
 Developing machines, 1931
 Diary, 1931
 Diary, 1932
 Disc, Stroboscopic
 Drawings - Academy, Cinemascope, Magoptical camera and Projector apertures (418-C)
 DeLuxe Labs Western Avenue lot; TCF TV studios - floor plans
 Double-track system, 6-track reproduction (048)
 Fifty-five mm Cinemascope - H.E. Bragg West Coast notes
 Film dimensions (Project 23A - 55mm programs)

6 Drawings - Magnetic track dim.; 6-track recording and reproduction/35mm film
 Magoptical and optical and 6-track magnetic film/Cinemascope
 Printer drawings, etc. - Leslie
 Printer systems, proposed compression - 70-35mm film (No. 833-1)
 Miscellaneous

Duplex Developing reports, 1932 **Shelved off-site**
 E, 1929-1921
 E, 1932
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 Educational Films, 1930-1932
 E-J Electric Installation Company
 Electrical Research Products, Inc.
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 Emulsion tests, 1930-1931
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 * Circulars. . .

7 Equipment - Loaned, on trial or purchased
 miscellaneous lists **Shelved off-site**
 * outside companies, 1930-1931
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8 F, 1930-1932
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 Fahlbusch, H.G.
 Field outfit - instructions, 1930-1931
 specifications, 1930-1931
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- Box 8 Field outfit data, 1932
 (cont'd) No. 62, A. Tice, 1 June 1932
 No. 69, J. Lillie and A. Tice, 1930-1931
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 *Fifty millimeter and stereophonic film, 1944, 1946
- 9 Filing system, 1932
 Film - miscellaneous, 1930-1932 **Shelved off-site**
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 *Film data
 Film Processing
 *Film Processing data, 1930-1931
 * duplicate newsreels, 1930-1931
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 Five Friends Plan
 Foreign data
 Forrest Hotel - cases and two-door Buick
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 Fox Athletic Club, 1931
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- 10 Frequency spectrum
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 G., 1930-1932 **Shelved off-site**
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 Germany - Paris Agreement, 1930
 *Grandeur, 1928-1930
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 * 1942-1947
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 Grandeur (History - 1960)
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 **Grandeur - The King and I
 Grandeur - Mitchell Camera Corporation, 1929-1930
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- 11 H, 1930-1932
 Hearst Metrotone News, 1932
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- 12 History, various dates (1)
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 *Hoffman, Louis B.
 Hotcats, 1941-1943
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- Box 12 I, 1930-1932
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 International Projector Corporations, 1932
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- 13 J, 1930-1932
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 K, 1930-1932 **Shelved off-site**
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- 14 Miscellaneous, 1930-1931
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 Movietone - illustration - printing plate
 N, 1930-1932
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 *Negative half cycles, 1932
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 Nicholson, R.F.
 Noise reduction data
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- 15 P, 1930-1932
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 *Photo-electric cell calculations: oscillograph on Aeo Lights, A.C. Dickieson's file
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- Box 16 Projects: General correspondence, 1928-1932
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 Amplifier
 Amplifier (Project 5A, Fox Film Laboratory)
 Apparatus lists, assembly (Project 247)
 Buick recording car
 Buick sedan (Job 247C)
 "B" battery investigation
 Color photography (Project 1)
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- 17 Projects: Field outfits - No. 43
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 Schematics and wiring diagrams of 247D
 Schematics and wiring of 247C
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- 19 Projects assigned, 1931
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 Reports, general
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 Papers Committee, 1959-1961
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 Publicity, 1951-1953
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 Standards Committee, 1932
 Standards and Nomenclature Committee, 1930-1931
 Standards Subcommittee: 16mm film, 1932
 Television
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 Television, Overseas, 1960
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 Theatre television, 1950
 Theatre Television Committee, 1947-1955
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Box 25 Splices and splicing, 1930-1931 Shelved off-site
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 June - October 1931

*Sprockets, 1932
 Stage data, 1932
 Stage and studio data, 1930-1931
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 Stereoscopic data
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 Theatres, Newsreels, etc., 1932
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 Tinker, Edward R., 1932
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 Transformer data, 1930-1931
 *Transmission records and readings, 1930-1931
 Transmitter data, 1930-1931
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 Weeks, H. Keith
 West Coast (General), 1932
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 West Coast data, 1930-1931
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 Work Books, 1930-1932 (related material
 *X-Y-Z

Laboratory Workbooks
Volume # Engineer's Name

Dates Covered

Shelved off-site

Primary Subject(s)

<u>Volume #</u>	<u>Engineer's Name</u>	<u>Dates Covered</u>	<u>Primary Subject(s)</u>
28 *2	White	11/17/1930 - 4/22/1932	various
3	C.L. Klink	11/26/1930 - 3/1/1932	primarily developers
3	R.F. Nicholson	11/12/1929 - 9/24/1930	primarily Aeo Lights
4	C.L. Klink	11/12/1929 - 11/24/1931	developers; Aeo Lights
4	R.F. Nicholson	11/7/1930 - 5/22/1931	"; biased recording
5	?	11/18/1930 - 1/11/1932	various

	<u>Volume #</u>	<u>Engineer's Name</u>	<u>Dates Covered</u>	<u>Primary Subject(s)</u>
Box 29	*6	L.B. Hoffmann	11/10/1930 - 7/28/1931	various
	7	J.R. Parnin	11/11/1930 - 10/19/1931	various equipment
	8	Lloyd	11/13/1929 - 12/17/1929	various equipment
Shelved off-site	8	Lloyd	11/10/1930 - 10/24/1931	project supervision
	9	Arthur J. Sanial	11/7/1930 - 9/25/1931	sound equipment
	10	H.G. Koenig	11/7/1930 - 3/30/1932	electrical engineering
	11	A. Coles, Jr.	11/12/1929 - 4/9/1930	mechanical engineering
	30	J.R. Grandfield	11/7/1930 - 4/28/1931	amplifiers
	12	M.P. Frutchey, Jr.	11/6/1930 - 5/1/1931	equipment cases
	12	Edwin D. Smith	11/14/1929 - 10/6/1930	electrical engineering
Shelved off-site	13	L.H. Terpening, J.R. Parnin	11/8/1929 - 9/10/1930	electrical engineering
	13	L.W. Davee & H.F. Jermain	11/18/1930 - 4/21/1932	various
	14	H.F. Jermain	4/8/1931 - 12/9/1931	amplifiers; biased recording
	31	D.F. Whiting	11/22/1930 - 7/1/1931	electrical engineering
	18	R.M. Evans	11/12/1930 - 1/8/1932	developers; film
	23	J.G. Speer	8/21/1931 - 4/14/1932	various
Shelved off-site	32	W.R. Hicks	12/28/1932 - 12/31/1933	lamps; news titles
	33	Movietonews - Sound Recording Department	1/11/1934 - 1/18/1938	lamps; news titles
	**35	?	6/12/1934 - 7/8/[1935]	color film development
	32	H.E. Bragg	7/8/1935 - 12/10/1937	color film developing & order book
	38	H. Heitzner	1/11/1937 - 8/1/1940	order book
Shelved off-site	39	?	1/30/1937 - 2/15/1938	film processing
	40	?	8/18/1937 - 10/18/1937	film processing
	41	?	6/1/1937 - 8/18/1937	reversal process
	*44	E.J.G. White	11/19/1943 - 5/3/1944	reversal process
	33	E.J.G. White	8/30/1943 - 11/16/1943	film clearing, coating
	**47	?	12/14/1937 - 3/20/1940	timing (developing)
	48	?	11/25/1937 - 5/5/1940	order book
Shelved off-site	49	?	2/16/1938 - 5/4/1938	developers
	*, **50	Chemistry Division	5/18/1938 - 2/20/1942	color lab
	51	Formulae Reversal Lab	5/24/1938 - 7/21/1939	bath formulae
	34	"O.A.W."	1/1939 - 5/1/1939	color processes
	53	?	6/6/1938 - 4/7/1939	film processing log
Shelved off-site	*54	E.J.G. White	4/22/1944 - 7/13/1945	color processes
	*, **55	?	5/22/1945 - 12/10/1948	various
	57	"Agy"	1/10/1946 - 3/7/1947	screens
	35	Robert R. Haagenson	2/21/1946 - 3/14/1951	film processing
	59	Alex Alden	5/28/1946 - 10/9/1951	printers
Shelved off-site	#60	Hurd, Agy	1/3/1947 - 9/28/1949	screens
	**62	?	4/10/1939 - 3/25/1941	film processing log
	63	?	1/4/1939 - 6/3/1940	film processing log
	36	?	10/3/1939 - 7/17/1942	developers; toners
	65	?	1/2/1941 - 9/9/1946	order book
	66	?	4/1/1939 - 6/10/1940	various
Shelved off-site	*67	Fred Leslie	11/8/1942 - 12/27/1950	projectors
	*69	L.D. Grignón	8/9/1948 - 12/16/1948	film processing
	**70			television

	<u>Volume #</u>	<u>Engineer's Name</u>	<u>Dates Covered</u>	<u>Primary Subject(s)</u>	
Box 37	**73	?	1/3/1949 - 4/13/1951	various	
	#74	Yorick G. Hurd	10/5/1949 - 1/16/1951	screens	
	#75	?	12/1949 - 12/31/1952	project log	
	#76	Yorick G. Hurd	7/27/1950 - 7/5/1951	screens	
<u>Shelved off-site</u>	38	77	Fred Leslie	1/1/1951 - 10/31/1956	projectors
	**78	?	4/16/1951 - 8/15/1953	various	
	#79	Yorick G. Hurd	7/9/1951 - 11/17/1953	screens	
<u>Shelved off-site</u>	80	Fred Leslie	11/19/1952 - 2/1960	Eidophor	
	#81	Yorick G. Hurd	1/29/1957 - 4/24/1961	screens; Eidophor	
	39	82	?	1/19/1954 - 12/30/1958	various
** , * , #83		Yorick G. Hurd	12/4/1953 - 1/14/1957	screens	
	**90	?	2/24/1942 - 8/20/1942	film processing	
<u>Shelved off-site</u>	91	Alex Alden	10/23/1951 - 11/3/1955	Cinemascope	
	95	Fred Leslie	1/11/1961 - 9/20/1961	various	
	96	H.E. Bragg	1/1958 - 9/1962	various	
	40	98	Yorick G. Hurd	3/1/1961 - 9/25/1961	screens
	105	Alex Alden	10/21/1955 - 10/23/1959	printers; Cinemascope	
<u>Shelved off-site</u>		Misc. vols. Alex E. Alden	9/17/1958 - 3/30/1961	general lab journal (typescript)	
		?	1927 - 1931	parts ledger	
		Earl I. Sponable	2/6/1930 - 10/8/1931	projects, parts and memos	
41	Patent books:	Stereoscopic Equipment Volumes 1 & 2		<u>Shelved off-site</u>	
42	Patent books:	Stereoscopic Equipment Volumes 3 & 4		<u>Shelved off-site</u>	
	<u>COLOR</u>				
43	Alfa Colour				
	Amacolor, 1956			<u>Shelved off-site</u>	
	Ament, R.S.				
	American Natural Color Company				
	Anscolor (Agfa) 1934-1945				
	*Anscolor, 1946-1952				
	*Anscolor - Drs. F. Dersch and H. Duerr - ". . .Dry Hypersensitization. . ."				
	*Auerbach Educational Productions				
	Bell, K. Lansing				
	Bellier Color				
	Berthon Color Process - Opticolor vs Eastman Kodak Patent Suit, 1940-1942				
	Berthon-Siemens Color (Kislyn, Keller-Dorian) 1930-1945				
44	*Berthon-Siemens Color (Kislyn, Keller-Dorian) 1945-1948				
	Berthon-Siemens Color (Kislyn, Keller-Dorian) 1949-1952				
	Berthon-Siemens Process				
	Bocca, Carlo			<u>Shelved off-site</u>	
	*Brewster Color Film Corporation				
	Brock (Gustav) Color				
	Bryan Development Labs (Osborne Bryan)				
	Bundy Color				
	Cerrococolor				
	Chemicolor, 1950				
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- Box 44 *Chromart
 (cont'd) Chromatone-type toning process
 *Cinecolor
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 *Cinemachrome Corporation
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 *Colorfilm Corporation
 *Colortone
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 **Cox Color
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- 45 *, **Dufay Color (1)
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 Dunnincolor
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 *Eastman Color
 Eastman Kodak Lenticular Color, -1945 (Capstaff)
- 46 *Eastman Kodak Lenticular Color, 1946-1947 (Capstaff) **Shelved off-site**
 Eastman Kodak Lenticular Color, 1948-1949 (Capstaff)
 *Eastman Kodak Lenticular Color, 1950
- 47 **Eastman Kodak Lenticular Color, 1951 **Shelved off-site**
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- 48 *Farroll Color
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 *Furman, A. Peter
 *Gaspar, Dr. Bela
 General Precision Lab
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 Goodpasture, Lurton
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- Box 48 I.B. Corporation
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 **Jensen, Viggo - system
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 **Lechner Color, 1959
- 49 Leiden Color
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- 50 LeRoy, Dr. Adrian
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- 51 Mondiacolor, 1954
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 *Nu-Color (E.F. Sorg)
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 *Pan Chrom Film
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- Box 51 Raycol Color
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 *Roehrich, C.
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 Schwartz, Mort - recording studios (folder received empty)
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 *Sirius Color
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- 52 *Technicolor, 1941-1942
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- 53 Technicolor - agreement, contracts and prices
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 *, **Trimble Laboratories ("Fullcolor")
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 *Vericolor
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- 54 Academy of Motion Picture Arts and Sciences **Shelved off-site**
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- 62 San Francisco broadcasting facility - Exhibits (33 folders)
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- 63 Skiatron (SEE ALSO: Scophony) 1953-1960
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- 64 Theatre - Dynamic Theatre Network, Inc., 1962 **Shelved off-site**
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- 65 Theatre TV - FCC hearing, 1951
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- 66 Theatre TV - FCC hearing, 1952 (2)
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- 67 Theatre TV - FCC hearing, 1952 - 12 volumes
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- 68 *Theatre TV - "Los Angeles Plan" of large-screen TV network, 1949 (includes PHOTOS)
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- 69 TCFFC - Experimental station KE2XKA (formerly (KA-2461) 1951-1952
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- 70 TCFFC - Theatre television, West Coast, 1950-1951
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- 71 Twentieth Century Fox of Missouri, Inc. (Kansas City) **Shelved off-site**
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- 72 Twentieth Century Fox of St. Louis
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- 73 General Files, 1949 - 1958 **Shelved off-site**
- 74 **General Files, 1958 - 1964
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- 75 Ciba - promotional materials **Shelved off-site**
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- 77 Davis, John (Rank Organization)
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- 79 General Electric, 1951-1952 (general)
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- 80 General Precision Corporation **Shelved off-site**
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- 81 Japan - Toho International, Inc.
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- 82 Patents - CBS, 1952-1957
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- *, **Photographs (equipment, demonstrations and individuals, including E.I. Sponable)
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- Box 83 Projector and SuperVentarc (shipping) - 1954
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- 84 Reports
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- 85 Teleprompter Corporation, 1959 **Shelved off-site**
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- 86 A
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- 89 Bausch & Lomb Optical Co.-Lens modification, 75mm, 1959
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- 90 Bell & Howell Co., 1953-1957
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- 91 *Chretien, Henri, 1952-1957
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- 99 Lenses -Miscellaneous - various dates (2 folders)
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 **Minnesota Mining and Manufacturing Co., 1953-1954
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- 102 Norwegian Cinemascope, 1956 **Shelved off-site**
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- 103 Patent Copies, Index **Shelved off-site**
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- Box 104 Philips (sound) 1956-1959 **Shelved off-site**
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- 105 **Prints and printing, 1956-1969; 1962
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- 106 **Publications and papers, technical, 1953-1957
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- 107 Publicity - "The Cinema" (booklet, 1955, by E.H. McFarland) **Shelved off-site**
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- 108 Publicity - outside, 1953 and n.d.
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- 109 Publicity - Photographic Techniques (booklet) **Shelved off-site**
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- 110 Rider, L.F. (London) 1953-1962
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Smith, Robert (London) 1953-1954

Shelved off-site

**Sound, Magnetic and optical and miscellaneous, 1956-1957
**Sound, MagOptical, 1956-1957

- Box 113 Sound - MagOptical Bulletins, 1957 **Shelved off-site**
 On/Off control effects, 1953-1954
Peyton Place and other films, 1958
 ** Six-track 55mm composite release, etc., 1956-1959
 Standards, 1959
 Surround Sound
 ** Westrex, Altec, RCA, GPL, etc., 1956-1959
 Soundheads - general, 1953-1954 (includes PHOTOGRAPHS)
 Alfenol, Thermenol, Permalloy, 1954
 ferrite magnetic, 1953-1954
 Splicing machines
 Spoerri & Co., E.H. (screen) 1953-1954
 Sprockets, 1955-1959
 Stan White, Inc., 1955
 Stancil-Hoffman, 1956-1957
 Standards, 1955
 Stellini (screen)
 Stone, Thomas & George M. (screen) 1953-1954
 **Striping, 1953-1954
 Strong Electric Corporation, 1954-1957
 SuperCinemascope, 1955
 Sylvania Electric Products, 1956-1957
 T
 Taylor, Taylor & Hobson, Ltd. (lenses) 1953-1954
 Technicolor Corporation, 1953-1962
- 114 Teleprompter Corporation
 Terrytoons, 1955
 Test film - general, 1953-1954 **Shelved off-site**
 ** 1956-1964
 drive-ins, 1953-1954
 Theatre and equipment companies, and stockholder inquiries, 1953-1954
 Theatre installations - domestic (U.S. and Canada) 1953-1957
 foreign, 1953-1955
- 115 Theatre installations - foreign, 1956-1957
 inspections, 1953-1954 **Shelved off-site**
 miscellaneous, 1953-1954
 **Theatre projection (sprockets, leaders, lenses, etc.) 1953-1955
 Theatres - drive-ins, 1953-1955
 1956-1957
 Theatres, miscellaneous
There's No Business Like Show Business, 1954
 Trademark, 1953-1957
 Twentieth Century Fox Films - feature pictures, 1961-1962
- 116 U
 UFA (Mr. Kemna) 1953-1954
 Universal - International, 1953-1954
 Unsqueezing for television **Shelved off-site**
 V
 Ventarc lamps
 Vurpillot, M. George, 1956
 W
 Wallace, T.M. (Tim) 1953-1954
 Warner Brothers, 1953-1957
 (continued on next page)

Box 116 Webb, Jerry, 1953-1957
 (cont'd) Welker, W., 1953-1957
 Westrex Corporation, 1953-1957
 Whitmore, R.D., 1954
 Wilding Pictures, 1953-1954
 Wollensak (lenses) 1953-1954
 X-Y-Z
The Young Lions, 1958
 Zanuck, Darryl F., 1953-1960
 *Zeiss lenses and sound (Opton, Icon, Carl Zeiss) 1953-1954
 Zonal Film Facilities, Ltd., 1953-1954

WIDE SCREEN

- 117 **ARC 120
 Arenas and Arcocha, 1964 **Shelved off-site**
 B
 **Bronesky, Leon J., 1957
Bwana Devil (3D) 1953
 C
 Cinema 160°
 CinemaGraf, 1960
 Cinema-Reflex, 1962
 Cine-Miracle, 1955
 Cinepanoramic
 Cinerama, 1953-1959
 Cinerama, 1962
 Cinerama - South Africa
 Cinetarium, 1956-1962
 Circlorama
Cleopatra - general, 1962-1964
 domestic
 *
- 118 **Cleopatra - openings
 publicity
 South America - E.O. Wilschke
 Cooper, Merriam and Winton C. Hoch, 1958
 Copland and Eckhert, Messrs. - 3D, 1953
 **Cyclorama, 1960 (Jean Bourguignon)
 Dimension 150 and TODD-AO
 E
 Equipment
 F
 Falium, J. - 3D, 1954
 G
 Giant Scope - 3D
 Giordano, Rinaldo
 Goldofsky, E.M., 1959
 Gottschalk, Robert E. - Panavision, 1955
 **Grandeur 70, 1961-1962 (SEE ALSO: General Files/Grandeur)
- 119 Heraclorama
 Hispanoscope, 1959
 India (Bombay, etc.)
 Lenses **Shelved off-site**
 (continued on next page)

Box 119 M
 (cont'd) Magic Lantern, 1961
 Multiplane Pictures, Ltd. - 3D, 1953
 Multivision - 3D, 1953
 **Naturama, 1956
 Norwayscope, 1957
 O, P
 Palmer, B.J. - 3D
 Panavision (Gottschalk)
 **Panorama
 Paramount Pictures Corporation - 3D
 Perfectone, 1953
 **Perspecta
 Perivision Intrascope Skinopter
 Picturama
 Piercy, Denzel, 1960
 Plastorama process
 Polaroid - 3D
 Polyvision (Magirama) 1962
 Projectors
 Publicity and articles
 R
 Raibaud, Paul "Promoteurs et Realisateurs. . ." 1955
 Rank Precision Industries, 1958
 Republic
 Rollamo, 1958
 S
 Seventy millimeter - general
 conversion, 6th Floor Theatre
 Russian
 **
 **Sinoscope
 Society of Motion Picture and Television Engineers
 Sound (Kostas Evangelou) - 3D
Sound of Music, 1965
 Spacearium (70mm) - Seattle World's Fair
 Spoor-Bergman
 Standards (film sizes) 1962
 Stereovision (L.E. Thomas) 1961
 Super-Heraclorama
 **Super-Scope - 3D

120 T
 **Technirama, 1957
 **Technirama 70, 1961
 TODD-AO - general, 1953-1960 **Shelved off-site
 1961-1963
 DeLuxe Lab printing, 1959-1960
 TCFE Corp., 1959-1960
 Ultravision 100, 1962
 Veri-Vision - 3D
 Vidoscope
 **Vistarama (Carl Dudley)
 **VistaVision
 Vitarama Corporation
 W
 Wide film and 3D processes - miscellaneous

PHOTOGRAPHS

- Sup
©
RLL
- 121 Aeo Light
Boat
Building, 1938
Building entrances, Twentieth Century Fox Film Corporation and Movietone News
Camera
Camera, photographed by Kirby, 23 March 1945
Camera, 70mm
Case, Theodore W.
Cinemascope, 1953-1954 and n.d.
Paris
Eidophor (contains GLASS - Handle with care)
Equipment - general (3 folders)
- 122 Equipment - Fox Case Corporation
1930-1931
1949 **Shelved off-site**
Fame Award, 1956
Gray scale
Kislyn patent application pictures and specification photographs
Outdoor filming, September 1938
Society of Motion Picture and Television Engineers - general
convention, October 1950
paper, 17 October 1946
paper, 21 April 1955
Television Committee
- Sponable, Earl I. - Portraits and photographs with equipment
Television - Coty roof and Montclair roof
Television laboratory
Topographical models
Miscellaneous
Related envelopes (empty)
SEE ALSO: specific subject folders
NOTE: Negatives have been removed from most of the folders in the PHOTOGRAPHS Series; therefore no specific notes have been made on this list.
(see box 124)

FILM SERIES

- 123 Safety film - 35-70mm flat film (Code: **) **Shelved off-site**
3 reels
- 124 Safety film - oversize flat film **Shelved off-site**
- 125 Screen material (Code: #)
- Nitrate film - one package, stored in freezer in Reprography Section,
110 Butler Library. (Code: *)

(Materials in this series were removed from all preceding series to prevent further damage to paper, and to prevent damage to film and vinyl-based materials from thymol treatment of the paper.)

SPONABLE PAPERS - OVERSIZE

- FLATBOX 534** **Fox Research & Development: Television, Sanfransisco Broadcasting Facility: Employee Flow Chart**
- FLATBOX 534** **Fox Research & Development, Television-Eidophor -Equipment-Drawings, etc. Business Chart in German**
- FLATBOX 534** **Fox Research & Development -Cinimascap. Newcomer, It Sidney 1953-1954: Blueprints/Industrial Design**
- FLATBOX 534** **Fox Research and Development: Cinimascap; anon Camera Co. LTD: Blueprints/Schematics**