



Smithsonian

National Museum of American History Kenneth E. Behring Center

Guide to the Arthur d'Arazien Industrial Photographs

NMAH.AC.0314

David E. Haberstich

2002

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Table of Contents

Collection Overview	
Administrative Information	1
Biographical / Historical	1
Scope and Contents	3
Arrangement	3
Names and Subjects	
Physical Characteristics and Technical Requirements	4
Container Listing	
Series 1: Paper Documents	5
Series 2: Photographs	6
Series 3: Oversize Prints	42

Collection Overview

Repository:	Archives Center, National Museum of American History
Title:	Arthur d'Arazien Industrial Photographs
Date:	circa 1930-2002
Identifier:	NMAH.AC.0314
Creator:	d'Arazien, Arthur
Extent:	11 Cubic feet (30 boxes)
Language:	English .

Administrative Information

Acquisition Information

Collection donated by Arthur d'Arazien, December 24, 1988.

Provenance

These photographs have been in the photographer's collection since their creation, although frequently out of his custody for reproduction purposes. The mounted color enlargements were shown in a number of exhibitions.

Processing Information

Collection processed by David Haberstich.

Preferred Citation

Arthur d'Arazien Industrial Photographs, ca. 1930-2002, Archives Center, National Museum of American History.

Restrictions

Collection is open for research but the majority of the collection is stored off-site and special arrangements must be made to work with it. Contact the Archives Center for information at archivescenter@si.edu or 202-633-3270.

Conditions Governing Use

Collection items available for reproduction, but the Archives Center makes no guarantees concerning copyright restrictions. Other intellectual property rights may apply. Archives Center cost-recovery and use fees may apply when requesting reproductions.

Biographical / Historical

Arthur d'Arazien began his photographic career as an assistant to a famous theatrical photographer, documenting Broadway shows. A distinctive emphasis on dramatic lighting in his later work suggests the heavy influence of the

theater. He did fashion and commercial photography, as well as photographing the 1939 World's Fair, for Underwood & Underwood Illustration Studios, East 44th St., New York City, in 1938 1939. He was described in a U.S. Camera Annual article as an architect whose interest in photography has caused him to make a profession of it.

D'Arazien taught aerial photography for the U.S. Air Corps Technical Training Command at Lowry Field, Denver, during World War II. He began his career in industrial photography with the De Laval Separator Company, New York City. His energy and creativity led to assignments which often were judged too difficult for lesser photographers. His growing reputation as an industrial photographer kept pace with the dynamic growth of the industrial and technological activities he was photographing during the 1950s through the 1980s.

Robert Vogel, former Curator of Mechanical and Civil Engineering for the National Museum of American History, wrote that d'Arazien: "...became internationally known for his dramatic color views of the American industrial scene at a time when our industry can be said to have been at the height of its powers....He was commissioned by the giants of steel, paper, chemicals, machinery, transportation, automobiles, mining, metal refining, textiles, and the other heavy (and medium) industries. ...He developed a number of special techniques for obtaining the grand, sweeping views that became his trademark, including multiple exposures to achieve dramatic lighting effects, elaborate lighting setups involving multiple flashes from several vantages employing a number of assistants intercommunicating by radio, complex arrangements with transportation lines and the various departments of the subject organization to produce the desired juxtaposition of elements in the photograph, and the like. His MO was anything but that of simply walking onto the scene and snapping the shutter; for many of his breathtaking views he appears to have been more producer and impresario than photographer.

Arthur d'Arazien describes the growth of his spectacular style as an eager response to new subjects, challenges, and photographic materials:

...knowing that color was the coming thing in corporate advertising, I pursued that line. I did lots of experimenting; every assignment gave me an opportunity to try something new, such as combination day and night exposures on a single sheet of film, multiple flash bulbs to light large interiors, multiple exposures on the same film, such as...moving objects ...automobiles, trains...to build up excitement in a picture. Colored gels to change colors. I even used old fashioned flash powder to light ...steel mills, because there were no flashbulbs powerful enough to light these dark, cavernous interiors: this idea was borrowed from the Air Corps night time aerial photography with magnesium flash powder.

A skilled painter and metal sculptor as well as photographer, d'Arazien came from a family of artists. His photographs were made primarily on assignment from industrial corporations for advertising, editorial, and public relations purposes, but have been exhibited and collected as works of art in the Smithsonian Institution (Division of Photographic History), the Metropolitan Museum of Art, and the Cleveland Museum. His work was included in the Photography in the Fine Arts exhibitions organized by Ivan Dimitri, and he was a founding faculty member of the Famous Photographers School, Westport, Connecticut, in the early 1960's.

D'Arazien married Margaret Scott and has two sons. He had a studio in Waterside Plaza, New York, and made his home in New Canaan, Connecticut, until moving to Naples, Florida, upon his retirement in 1988. The collection was brought to the Smithsonian's attention by his son Steven, and was donated to the Archives Center before this move. In anticipation of this gift, Mr. d'Arazien spent several months inspecting his collection, eliminating duplicate and technically unsuccessful images, and captioning photographs.

Sources American Aces, U.S. Camera Annual 1939. Clipping in scrapbook no. 1, box 24, first page.

Robert M. Vogel, memorandum, undated, but written after a December 1987 visit to d'[Arazien's home. In Archives Center collection control file.

Letter to the author, 26 February 1992, in collection control file.

Scope and Contents

The collection includes Arthur d'Arazien's professional work in industrial photography from the late 1940's through about 1981; personal creative photography and other types of professional work were retained by Mr. d'Arazien or placed elsewhere. Thus this collection is a very cohesive, unified body of work, which documents primarily American (and some Canadian) business and industry during a period of expansion a golden age of American industry. Although it represents the photographer's creative and artistic style and skill, the subject matter is appropriate to the National Museum of American History from several viewpoints the visual documentation of industry and technology, as well as advertising, public relations, and business history.

The photographs include black and white negatives and prints from the negatives, as well as color negative and transparency materials, up to 8" x 10" in size. Probably the majority of the transparencies were made in the large size. The black and white materials include pictures of d'Arazien at work some made by famous Life magazine photographer Alfred Eisenstaedt, a colleague at the Famous Photographers School. A number of Dye Transfer prints mounted on illustration board were made by master color printer Don Browning.

In addition to frequently extensive caption information on all of d'Araziens original envelopes and enclosures, many enclosures for color negatives and transparencies bear d'Arazien labels with technical information or instructions for color printing, such as filter pack designations and local printing controls. These enclosures therefore have been retained in the collection, although usually they are not of archival quality.

Of secondary significance are 62 large color prints, mostly Type C, with a few Cibachromes, which were made from the original transparencies for exhibition purposes. Most were made either by K & L laboratories, New York City (stickers on back) or Eastman Kodak professional laboratories, Rochester, N.Y., and have been wet mounted to non archival Masonite. At the time of acquisition, several had faded and/or changed color. These are available for research and exhibition purposes, but are not expected to survive as long as the original transparencies.

The collection contains Mr. d'Arazien's files of printed materials. These include reproductions which indicate how his photographs were used by clients. Included are annual reports, promotional pieces, magazine tearsheets from advertising and editorial uses, and other biographical items.

Series 1: Professional industrial photographs.

Photographs document primarily American business and industry (including some taken in Canada). Black-and-white negatives with prints from these negatives, also color negative and transparency materials. Most transparencies are 8" x 10". The photographs demonstrate the photographer's reputation as a master of dramatic lighting and the coordination of large-scale, complex industrial setups in factories, steel mills, and even outdoor settings. Also 65 color prints, mostly Type C with a few Cibachromes, made from the original transparencies for exhibition purposes, mostly wet-mounted to Masonite. Black-and-white photographs include pictures of d'Arazien at work--some by Life magazine photographer Alfred Eisenstaedt.

Series 2: D'Arazien's files of printed materials, some of which include photomechanical reproductions of his work, indicating how the photographs were used by clients; also annual reports, magazine tearsheets from advertising and editorial uses, and other promotional items, in addition to biographical materials.

2007 addendum: Transparencies, slides, prints and negatives of additional photographs by Arthur d'Arazien, including industrial subjects as well as travel, architectural, agricultural, portrait, art, still life and personal photographs. Also included are miscellaneous papers, mostly relating to d'Arazien's photographic work.

Arrangement

The collection is divided into three series.

Series 1: Paper Documents

Subseries 1.1: Publications and Reproductions.

Subseries 1.2: Photographer's Labels, Envelopes, Etc.

Series 2: Photographs

Subseries 2.1: Color Phototransparencies

Subseries 2.2: Color Photonegatives and Color Photoprints

Subseries 2.3: Black and White Photonegatives and Photoprints

Subseries 2.4: Color Photoprints: Enlargements Mounted on Masonite

Material is arranged in each sub-series primarily by client names, in alphabetical order.

Series 3: Oversize prints

Physical Characteristics and Technical Requirements

Gloves must be worn when handling unprotected photographs and negatives. Special arrangements required to view negatives due to cold storage. Using negatives requires a three hour waiting period. Contact the Archives Center at 202-633-3270.

Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

Subjects:

- Agriculture -- Photographs -- 20th century
- Industry -- Photographs -- 1940-1980 -- Canada
- Industry -- Photographs -- 1940-1980 -- United States
- Steel industry and trade -- 1940-1980
- Travel -- Photographs -- 1930-2000

Types of Materials:

- Chromogenic processes
- Cibachrome (TM)
- Color negatives
- Color prints (photographs)
- Color prints (photographs) -- 20th century
- Dye destruction photoprints
- Dye destruction process
- Photographic prints
- Photographs -- Black-and-white negatives -- Acetate film
- Photographs -- Chromogenic -- 1900-2000
- Silver-dye bleach process
- Tear sheets
- Transparencies
- Type C color prints

Places:

- Canada -- Industry -- 1940-1980

Container Listing

Series 1: Paper Documents

Subseries 1.1: Publications and Reproductions, 1860-1863, undated

Box 1, Folder 1	Alcoa through General Electric Company (7 total), 1862
Box 2, Folder 2	Hercules, Inc., through Texasgulf Chemicals Corp.
Box 3, Folder 1-10	Union Camp through VOP; plus miscellaneous magazines and brochures.
Box 4	Oversize items (large rolled reproductions (4) are unboxed., undated
Box 23, Folder 1	Portfolio, "Scenes from J and L Steel: Makers of Modern Steels." 6 color photomechanical reproductions, copyright 1953., 1900, 1910-1915
Box 27	1 large scrapbook of tear sheets and reproductions of d'Arazien's work. Clipping about d'Arazien's work for Underwood and Underwood includes much info about the firm., 1939-1953
Box 25	2 large scrapbooks: (1) 1954 1967; (2) 1967 1984., 1950 Notes: Page size 23" x 18-7/8". They include magazine covers (Industrial Photography Technical Photography, others), advertising illustrations, newspapers clippings, awards, etc. 1954-1967 includes press releases, reviews,

Subseries 1.2: Photographer's Labels, 1950

Box 3, Folder 11	Samples of original kraft paper envelopes, labelled in photographer's hand., 1950
Box 3, Folder 12	Xerographic copies of photographer's box labels, typed and hand written (original boxes, from film and photographic paper, were discarded)., 1950

[Return to Table of Contents](#)

Series 2: Photographs

Subseries 2.1: Color Phototransparencies, 1950

Box 5, Folder 1	Abstract compositions, enlarged from 35mm (7), 1950
Box 5, Folder 1	"Paint in a Bucket", 1950s
Box 5, Folder 2	Allegheny Ludlum Steel Co. (19), 1960s
Box 5, Folder 2	Cupola Furnace (electric?). Pouring specialty steel. Bagdad, Pa., 1967 [14]., 1950
Box 5, Folder 2	Cold Rolling Steel. West Leechburg, Pa., 1967 [14A]., 1950
Box 5, Folder 2	Oxygene Furnace. Brackenridge, Pa., 1977 [14B]., 1950
Box 5, Folder 2	Cupola furnace, making specialty steel. Breckenridge, Pa., 1968., 1950
Box 5, Folder 3	Aluminum Corporation of America (ALCOA) (8), 1951
Box 5, Folder 3	Golden Gateway Plaza, San Francisco, 1968 [2A]., 1952
Box 5, Folder 3	Washington Plaza Hotel, Seattle, 1969 [2B]., 1953
Box 5, Folder 4	American Cyanamid, Stamford, Conn. (4), 1953
Box 5, Folder 4	Research on chemi luminescence (producing light with chemicals) [6]., 1953
Box 5, Folder 4	Research on pesticides, 1949 [6A]., 1953
Box 5, Folder 5	AMF (American Machine and Foundry Co.) (16)
Box 5, Folder 5	Making basketballs and volleyballs. Voit Div., Los Angeles, 1959 [27].
Box 5, Folder 5	AMF leisure time products inspecting bicycle wheels, Indiana. Manufacturing bicycles and toys [28].
Box 5, Folder 5	AMF leisure time products golf carts, shipping area. Des Moines, Iowa [29].
Box 5, Folder 5	Manufacture of motorcycles, Harley Davidson. Milwaukee, Wis., 1960 [30].
Box 5, Folder 5	Wiring relays. Potter Bromfeld Div., 1959 [31].
Box 5, Folder 5	Welding storage tanks and storage, Baird Oil and Gas equipment div., 1959 [32].
Box 5, Folder 5	Manufacturing missile launcher parts. Buffalo, 1959 [35].

Box 5, Folder 5	Silver Springs, Fla., photographed for the Eastman Kodak Colorama at Grand Central Station with cooperation of AMF, Voit Div., manufacturer of scuba tanks, 1959 [36].
Box 5, Folder 6	AMF (American Machine and Foundry Co., cont.) (5)
Box 5, Folder 6	Titan missile turnkey operation. Silo and elevator built by AMF for the Air Force. Lowry Field, Denver, Colorado, 1960.
Box 5, Folder 7	American Metals Climax (formerly Climax Molybdenum Corp.) (8)
Box 5, Folder 7	Mine, Climax, Colorado, 1962 [24].
Box 5, Folder 7	Ball Mill, Climax, Colorado [24A].
Box 5, Folder 7	Potash Mine, Carlsbad, New Mexico [24B].
Box 5, Folder 7	Pouring molybdenum, Longleath, Pa. [24C].
Box 5, Folder 8	American Motors Co. (1)
Box 5, Folder 8	Stamping, Auto Fenders (American Motors).
Box 5, Folder 9	American Rolling Mills (3, 4" x 5")
Box 5, Folder 9	Teeming open hearth, Middletown, Ohio, 1949.
Box 5, Folder 9	Hot rolling steel, Middletown, Ohio, 1949.
Box 5, Folder 9	Tempering cold rolled sheet steel, 1949.
Box 5, Folder 10	American St. Gobaine Glass Co. (4)
Box 5, Folder 10	Tempering plate glass, Tennessee, 1960. [428F]
Box 5, Folder 11	Anaconda Copper Company (3, 8" x 10"; 9, 4" x 5")
Box 5, Folder 11	8x10 Spinning Cables (Aluminum and Copper 1950) [4B].
Box 5, Folder 11	8x10 Rolling Aluminum (1953) [4].
Box 5, Folder 12	Barium Steel Corp. (1)
Box 5, Folder 12	Rolling steel with old rolling mill, no safety rules, 1949 50. [428N]
Box 5, Folder 13	Bendix Corp. (3)

Box 5, Folder 13	Space technology. Satellite test for the first moon shot. For NBD (National Bank of Detroit).
Box 5, Folder 13	Space research. Moon missile space research for space program. For NBD (National Bank of Detroit),
Box 5, Folder 14	Brown Paper Company (1, 4" x 5")
Box 5, Folder 14	Pulling log apart by hand, Maine, 1949.
Box 5, Folder 15	Carrier Corporation (15 + 4 unrelated items, incl. negative)
Box 5, Folder 15	Research (2). Abstract design made with red yellow green lights moving vertically and horizontally, and activated by sound microphones in a dark room. Shutter open for duration of 30 minutes while lights moved.
Box 5, Folder 15	Air conditioner research lab. Making noise level tests on air conditioners. Syracuse, N.Y.,
Box 5, Folder 15	Air Conditioner Parts Carrier (1969) [209].
Box 5, Folder 15	Automatic Welding of Heat Exchangers [209].
Box 5, Folder 15	Gang Drilling Carrier, Syracuse [209].
Box 5, Folder 15	Multiple Cutting Carrier, Syracuse [209].
Box 5, Folder 15	La DeFrance, Paris [209C].
Box 5, Folder 15	Olympics- BLDG, Munich [209I].
Box 5, Folder 15	Cite DeLa Defence, Paris [209B].
Box 5, Folder 16	Celanese Corp., Bishop, Texas (5) [217]
Box 5, Folder 16	Chemicals (1967).
Box 5, Folder 16	Hortensphere (1966).
Box 5, Folder 17	Champion Paper Co. (23, 8" x 10" and 2, 4" x 5")
Box 5, Folder 17	Stacking pulpwood (loblolly pine) for paper mill. South Carolina,
Box 5, Folder 17	Paper Coating Machine.
Box 5, Folder 17	Cutting Loblolly Pine for Paper Making, S.C.

Box 6, Folder 1-2	Ciba Geigy plants around the world (22)
Box 6, Folder 1-2	Dusk, time exposure with streaks from headlights of cars. Tom's River, N.J.,
Box 6, Folder 1-2	Pilot Film Coating Lab for CibaChrome, Switz [223].
Box 6, Folder 1-2	Research Dyes- Switzerland [220E].
Box 6, Folder 1-2	Mexico City- pharmaceuticals CIBA, Bombay Research.
Box 6, Folder 1-2	Switzerland [220E].
Box 6, Folder 1-2	Brussels [221B].
Box 6, Folder 1-2	Ciba- Stein Switz, coating pills [220].
Box 6, Folder 1-2	Chemical Plant, N.J. [220B].
Box 6, Folder 3	Cone Mills (14)
Box 6, Folder 3	Silkscreen printing of fabric, N.C. [210B].
Box 6, Folder 3	Cone Mills Dye Lab [210A].
Box 6, Folder 3	Textile Mill Printing- Ink Mix Room, N.C. [210B].
Box 6, Folder 3	Textiles Final Inspection, N.C. [210C].
Box 6, Folder 3	Textile Mill, N.C. [210].
Box 6, Folder 4	Consolidated Natural Gas Corp. (10)
Box 6, Folder 4	Cooking Glass [241C].
Box 6, Folder 4	Laying Pipeline, Ohio [241B].
Box 6, Folder 4	Ford Foundry [241A].
Box 6, Folder 4	Alcan CNG, Buffalo [241].
Box 6, Folder 4	Automobile Shredding for Scrap [241G].
Box 6, Folder 4	Limestone Quarry [241F].
Box 6, Folder 4	Textured Glass Pouring, W.VA. [241E].
Box 6, Folder 4	Glass Blowing, Seneca W.VA. [241D].

Box 6, Folder 5	Continental Can Company, Augusta, Ga., 1966 (16)
Box 6, Folder 5	Paper mill, wood chip pile.
Box 6, Folder 5	Log Debarking Machines.
Box 6, Folder 5	Paper Storage.
Box 6, Folder 5	Cutting Trees.
Box 6, Folder 5	Paper Making.
Box 6, Folder 5	Paper mill at night. Conveyors, digestors, storage tanks and chemical cars.
Box 6, Folder 5	Fordenier, paper making machine.
Box 6, Folder 6	Corning Glass Co. (1)
Box 6, Folder 6	Ceramic heating elements for industrial use. Lighting with colored lights.
Box 6, Folder 7	Corn Products Corp. (7)
Box 6, Folder 7	Foundry- AE Smith Co. N.J. [237].
Box 6, Folder 7	Corpus Christie, TX. [237A].
Box 6, Folder 7	Ft. Lee, N.J. [237C].
Box 6, Folder 8	Croppton Richmond, Charlottesville, Va. Textile Mill (16)
Box 6, Folder 8	Processing Velveteen [242].
Box 6, Folder 8	Bobbin Rewinders [242E].
Box 6, Folder 8	Inspecting Fabrics [242CC].
Box 6, Folder 8	Dying Velveteen [242B].
Box 6, Folder 8	Printing Fabrics [242C].
Box 6, Folder 8	Finishing [242D]
Box 6, Folder 8	Cutting Pile Fabrics [242A].
Box 6, Folder 9	Delaval (3) [Note: transparencies damaged by old sleeves.]
Box 6, Folder 9	Dairy herds. Poughkeepsie plant.

Box 6, Folder 9	Milking machines. Walker Rotolactor milking system at New York World's Fair, 1939. Cows get on carousel to be milked.
Box 6, Folder 9	Delco Remy (4) [Transparencies damaged.]
Box 6, Folder 9	Corn picking, Minnesota.
Box 6, Folder 9	Wheat harvesting, Montana.
Box 6, Folder 11	Eastman Kodak Co. (24)
Box 6, Folder 11	<p>Fire engines [chromogenic color transparency], 1958 1 Item (8" x 10".) Image(s): Fire engines. Staged in Lynbrook, L.I., N.Y. 1958. Pictures made as film tests. Image(s) Photographer: d'Arazien, Arthur Advertiser: Eastman Kodak Company Notes: AC0314-0000001.tif (AC Scan) Dye on film. From Box 6, folder 11. Photographs must be handled with cotton gloves unless protected by sleeves. High view of seven vehicles, including fire trucks and an ambulance, with firemen climbing a ladder and fire hoses spraying. Label on plastic sleeve: "... Ad for Eastman Kodak Co. Staged in Lynbrook, L.I., N.Y. 1958." "286" in white ink on transparency. Donated by Arthur d'Arazien.</p> <p>Topic: Fire fighters Fire engines Genre/Form: Photographs -- 1950-1960 -- Color transparencies -- Acetate Chromogenic processes Advertising</p>
Box 6, Folder 11	New York City skyline photographed with soft portrait lens from Astoria, L.I., N.Y.,
Box 6, Folder 11	Seagram's building (left). Park Avenue, N.Y.C., circa 1955. [286B].
Box 6, Folder 11	Chicago skyline with freight trains. Setup for Eastman Kodak ads for the U.S. Bicentennial. Photographed in 1975 with the cooperation of Burlington Northern Railroad. Partly finished Sears Tower in background. [486A].
Box 6, Folder 11	Scuba, Sliver Springs, FL.
Box 6, Folder 11	Chicago in General [286A].
Box 6, Folder 11	Kids swimming underwater / Cyprus Gardens Fla [sic] [chromogenic color transparency], 1979

1 Item (8" x 10".)

[Image\(s\): Kids Swimming Underwater, FL. \[286D\]](#)

[Image\(s\)](#)

Photographer: d'Arazien, Arthur

Notes: AC0314-0000002.tif (AC Scan)

Dye on film.

From Box 6, folder 11.

Photographs must be handled with cotton gloves unless protected by sleeves.

Four figures. One girl apparently is using an underwater camera. Title and date in label on transparency. "286D" in white ink on transparency.

Reproduced in article by Allan Shulman on the "click! Photography Changes Everything" web site, Feb. 2010.

Topic: Underwater photography

Cameras

Swimmers

Swimming

Place: Florida -- 1960-1980 -- Photographs

Cypress Gardens (Fla.)

Genre/Form: Photographs -- 1970-1980 -- Color transparencies -- Acetate film

Chromogenic processes

Box 7, Folder 1	Emery Worldwide Air Freight [290] (10 color plus 1 b and w print)
Box 7, Folder 1	290. Men loading two Emery planes, 1 item.
Box 7, Folder 1	290A. Fleet of small planes for overnight letters at Smyrna, Tennessee, 1979. Annual report cover. Multiple flash bulbs and long time exposure used. (2 transparencies, one with caption on sleeve.)
Box 7, Folder 1	290B. Line of Emery planes with trucks, 1 item.
Box 7, Folder 1	290C. Three delivery trucks at Phoenix Airport. For annual report cover, 1985, 3 transparencies. Captions: Time exposure for duration of truck motion from start to finish, then strobe lights at end of trip, for the trucks. Exposure timed to cover the trucks motion from start to finish, then strobes were fired as the trucks backed up a few feet three times.
Box 7, Folder 1	290D. 2 similar images: Emery plane at night.
Box 7, Folder 1	Unlabeled image of large group of Emery personnel in red coats.
Box 7, Folder 1	Print: Emery planes with men on scaffold.
Box 7, Folder 2	Empire State Building, Dentsu [?] [295] (7) Day and night views, no captions.
Box 7, Folder 3	Esso [439] (1)

Box 7, Folder 3	Tug and oil barge. West side New York, Hudson River, 1946-47, photographed from the top of Holland Tunnel ventilator towers that exhaust the fumes from the tunnel / 1946-47 Kodachrome film.
Box 7, Folder 4	FAS International [428J] (1)
Box 7, Folder 4	After merger with Bowline Steel Company, 1971. Uncaptioned.
Box 7, Folder 5	Firestone Tires advertisement (1)
Box 7, Folder 5	George Washington Bridge, New York City, 1958. Dusk exposure.
Box 7, Folder 6	Ford Motor Co.: Thunderbirds, 1963 [476] (13).
Box 7, Folder 6	Open hearth floor with '63 Thunderbird, River Rouge [476].
Box 7, Folder 6	Blast furnaces and loading docks (ore) with Thunderbirds [476A].
Box 7, Folder 6	Steel mill with teeming open hearth [476B].
Box 7, Folder 6	Ford steel mill, soaking pits [476C].
Box 7, Folder 6	Thunderbird assembly line, final inspection, Wixom, Mich. [476 D].
Box 7, Folder 6	1963 Thunderbirds in foreground. River Rouge plant, Michigan. Photographed for J W Thompson Agency for promotion advertising of Thunderbirds, 1962 [476A].
Box 7, Folder 7	French Lines [304].
Box 7, Folder 7	France interiors. N W Ayer advertising agency (6 transparencies, 2 color negatives). Includes lounge, restaurant, swimming pool.
Box 7, Folder 8	Fruehauf Company [428A] (1)
Box 7, Folder 8	Sandblasting the hull of the SS Hope at shipyard in Baltimore. For division of Fruehauf Company, 1962. Enlargement from 35mm transparency.
Box 7, Folder 9	General Electric (36) [311, 315, 317]
Box 7, Folder 9	Wiring Large Generators.
Box 7, Folder 9	Jacksonville Airport 1965.
Box 7, Folder 9	GE Plastics Plants, St. Louis.
Box 7, Folder 9	San Francisco.

Box 7, Folder 9	Dallas Power and Light Co. For GE 1968.
Box 7, Folder 9	Independence Hall, Philadelphia.
Box 7, Folder 9	Ultra Cold Research, GE Chicago, 1967.
Box 7, Folder 9	Hydro Electric Power Station.
Box 7, Folder 9	Biosatellite Snap 21 Under Test, Valley Forge, PA.
Box 7, Folder 9	General Electric [311]
Box 7, Folder 9	Cutting ship's gear. Lynn, Mass., 1961
Box 7, Folder 9	Machining turbine rotor fins for electric turbines, General Electric, Schenectady, N.Y., 1960 [311]
Box 7, Folder 9	Assembling gas turbines, 1979 [311-B]
Box 7, Folder 9	Wiring large generators, Jacksonville airport for G.E., 1965 [311H] (2)
Box 7, Folder 9	G.E. Plastics Plant, St. Louis [311K]
Box 7, Folder 9	General Electric [314] (17)
Box 7, Folder 9	Nimbus meteorological satellite in test chamber. G.E., Valley Forge Space Center, Pa.,
Box 7, Folder 9	Research. Missile earth re-entry heat tests, General Electric Space Center research labs at Valley Forge, Pa. 1961, for annual report [314B]
Box 7, Folder 9	GE transformers, Philadelphia, 1963 [314C]
Box 7, Folder 9	Anachoic test chamber, ERTS satellite, Valey Forge, Pa.
Box 7, Folder 9	General Electric. For G.E. Annual Report Cover [313 314]. (30B26 on 4/??)
Box 7, Folder 9	Nuclear reactor under construction by G.E. Co. for Jersey Central Power and Light Co., Oyster Creek, N.J.,

[\[Nuclear reactor under construction : color photoprint\]](#), ca. 1960-1980

1 Item (7" x 10".)

Photographer: d'Arazien, Arthur

Language: English.

Notes: 03031403.tif (AC Scan)

Dye on paper.

In Box 7.

Unrestricted research use on site by appointment. Photographs must be handled with cotton gloves unless protected by sleeves.

Topic: Nuclear reactors
Nuclear energy

Genre/Form: Chromogenic color prints
Photographs -- 1960-1980 -- Color photoprints

Box 7, Folder 9	Marina City and transit system, Chicago, 1964. Combination day night exposure
Box 7, Folder 9	Marina City and transit system, Chicago, 1964. Dusk exposure with flashbulbs on bridge to light side of train.
Box 7, Folder 9	First National City Band Building, Chicago, 1971. According to G.E., the first building in the country to use electric lights to air condition the building in the daytime.
Box 7, Folder 9	Salt Lake City skyline, 1971. Combination day night exposure from top of grain silo.
Box 7, Folder 9	G.E. transformers, Philadelphia, 1963.
Box 7, Folder 10	General Electric [315]
Box 7, Folder 10	Snow scene [315-D]
Box 7, Folder 10	Chicago, Marina City and transit system, about 1964 / Dusk exposure with flashbulbs on bridge to light side of train, 4 images [315F]
Box 7, Folder 10	Salt Lake City skyline photographed from top of grain silo. Combination day-night exposure; G.E. annual report cover, 1971 [315-G]
Box 7, Folder 10	[315-G: illuminated building from top, 1]
Box 7, Folder 10	[discrepancy? G-H is lighted dome?]
Box 7, Folder 10	[315-H--exterior with lights and fountains, 2]
Box 7, Folder 10	Lincoln Center at night [315-Q]
Box 7, Folder 10	Paul Revere sculpture with fireworks. [315R]
Box 7, Folder 10	Research: equipment to make man-made lightning for research on electrical components manufactured by General Electric. G.E. facility in Erie, Pa.,
Box 7, Folder 10	Pouring Steel at Ford Foundry, 1979??
Box 7, Folder 10	Chicago, from John Hancock Building??
Box 7, Folder 10	General Electric [316]

Box 7, Folder 10	316-B, Motors and Drives for Steel Rolling Mill, Bethlehem Steel
Box 7, Folder 10	316-D [2 items--is supposed to be the SEFOR reactor near Fayetteville, Ark., circa 1970, according to Steve Dawson. Caption from Nation's Business, Jan. 1980: Protective gear shields two technicians from radiation exposure as they descend into the core of a nuclear reactor.
Box 7, Folder 10	Chicago skyline [316F]
Box 7, Folder 10	General Electric [317]
Box 7, Folder 10	Chicago, First National City Bank Building, 1979 [317C]
Box 7, Folder 10	Hydroelectric power station, the Dalles, Oregon, Bonneville Dam [317J]
Box 7, Folder 10	Ultra-cold research, Schenectady, 1960 [317B]
Box 7, Folder 11	General Electric Co. Photographs for G.E. research. (33) ????
Box 7, Folder 11	<p>Chicago Transit System [chromogenic color transparency], 1971 or 1972 1 Item (8" x 10".)</p> <p>Image(s): Chicago transit system, 1971 72, train and skyline of Chicago. Multiple exposures. For G.E. computerized rapid transit system.</p> <p>Image(s)</p> <p>Photographer: d'Arazien, Arthur</p> <p>Notes: 03031401.tif (AC Scan)</p> <p>Dye on film.</p> <p>In Box 7, Folder 11.</p> <p>Unrestricted research use on site by appointment. Photographs must be handled with cotton gloves unless protected by sleeves.</p> <p>Photograph with a long exposure taken at night in Chicago, Illinois, showing train and streaks of light.</p> <p>Topic: Mass transit -- Illinois -- 1970-1980</p> <p>Place: Chicago (Ill.)</p> <p>Genre/Form: Time exposures Photographs -- 1970-1980 -- Chromogenic Transparencies</p>
Box 7, Folder 11	Making turbine rotor fin for electric turbines. General Electric, Schenectady, N.Y.,
Box 7, Folder 11	Missile. Earth reentry heat tests. G.E. Space Center research labs, Valley Forge, Pa., 1961. For annual report.
Box 7, Folder 11	Electric turbine motors being built. General Electric, Schenectady, N.Y.,
Box 7, Folder 11	Equipment to make man made lighting for research on electrical components manufactured by G.E. G.E. facility, Erie, Pa.,

Box 8, Folder 1	Herculese (4) [323]
Box 8, Folder 1	Chemical plant.
Box 8, Folder 1	Twisting and warping yarn.
Box 8, Folder 1	Plastic coating wires.
Box 8, Folder 1	Chemical plant, South Carolina, 1966. Combination day night exposure
Box 8, Folder 2	IBM (16) [328]
Box 8, Folder 2	New building, Armonk, Fishkill.
Box 8, Folder 2	Testing system 360, Poughkeepsie, N.Y.,
Box 8, Folder 3	Indian Head, O'Neil Nester Glass (8) [321].
Box 8, Folder 4	International Nickel, Canada, etc. (39, 8" x 10"; 1, 4" x 5") [335].
Box 8, Folder 4	Close up, nickel smelter in converter mill. Nickel furnace pouring hot nickel. Sudbury, Ont., 1966.
Box 8, Folder 4	Nickel converter melter aisle, Sudbury, Ont., 1966.
Box 8, Folder 4	Nickel miners coming out of skip car that takes them down to and up from the mine (streaks are from their helmet lights), Sudbury, Ont., 1966.
Box 8, Folder 4	Group portrait of nickel miners before going down to mine, Sudbury, Ont.,
Box 8, Folder 4	Ore crushing plant, Sudbury, Ont., 1966.
Box 8, Folder 4	Nickel mine, nickel ore crushing plant, Sudbury, Ont.,
Box 8, Folder 4	Nickel ore flotation mill. Ore sludge is floated to top, then it goes down to refinery to be smelted into nickel anodes, Sudbury, Ont., 1971.
Box 8, Folder 4	Nickel mine. Underground scooping nickel ore pit that drops the ore to conveyor below, then to crusher, Sudbury, Ont., 1971.
Box 8, Folder 4	Portrait of three miners in dry room, where they change clothes and hoist them up on a pulley and lock it with a padlock). Thompson, Manitoba, 1971.
Box 8, Folder 4	Refinery. Pouring nickel anodes, Thompson, Manitoba, 1971. Lighting by flashbulbs.
Box 8, Folder 4	Casting nickel anodes, Thompson, Manitoba,

Box 8, Folder 4	Group of miners in skip car coming up from mine after a shift. Skip car resembles a small elevator. Thompson, Manitoba,
Box 8, Folder 5	International Paper Company (38) [340]
Box 8, Folder 5	Logging operation, Mt. Shasta, California, 1974.
Box 8, Folder 5	Logging operation. Cutting douglas fir, partially clear cut. California, 1974, Mt. Shasta in background.
Box 8, Folder 5	Paper mill interior, Gatenuau, Canada, PQ, 1974.
Box 8, Folder 5	Fordenier, paper making machine, Mobile, Ala.,
Box 8, Folder 5	Logging. Clear cutting shows in background, pulling douglas firs up from the valley below. Near Eugene, Ore., 1974 75. Logging (douglas fir), clear cutting forest. Near Mt. Shasta, California, 1975.
Box 8, Folder 5	Logging, California,
Box 8, Folder 5	Paper making (Kraft paper). Androscoggin, Maine,
Box 8, Folder 6	Jones and Laughlin Steel ads (1960), incongruous or humorous images [360 361], i.e., sets in the steel mill, showing steel products in use, such as:
Box 8, Folder 6	<p>[Jones & Laughlin ad campaign: staged image of a family at the beach : chromogenic color transparency], 1960 1 Item (8" x 10".)</p> <p>Image(s): Couple on sandy beach with radio Image(s)</p> <p>Photographer: d'Arazien, Arthur Advertiser: Jones & Laughlin Notes: AC0314-0000007.tif (Scan No.) Dye on film. From Box 8, folder 6. Photographs must be handled with cotton gloves unless protected by sleeves. Includes children with sparklers, with molten metal sparks in background, Aliquippa, Pa. Set includes beach umbrella, with parents, boy and girl in bathing suits. 360-E in white ink on film.</p> <p>Topic: Steel industry and trade -- 1940-1980 Supermarkets Bathing suits Beaches</p> <p>Genre/Form: Advertising Chromogenic processes Photographs -- 1900-2000 -- Chromogenic</p>

Box 8, Folder 6

[Jones & Laughlin ad campaign; staged image of a grocery check-out with factory in background, Aliquippa : chromogenic color transparency], 1960
 1 Item (8" x 10".)

Image(s): [Woman in shorts with children in supermarket](#)
 Image(s)

Photographer: d'Arazien, Arthur
 Advertiser: Jones & Laughlin
 Notes: AC0314-0000006.tif (AC Scan No.)

Dye on film.
 From Box 8, folder 6.
 Photographs must be handled with cotton gloves unless protected by sleeves.
 Set includes three female shoppers and cashier at counter, with two children observing. Customer at cash register wears red shorts. "360-C" in white ink on film.

Topic: Shopping
 Factories -- 20th century
 Shorts (Clothing)
 Steel industry and trade -- 1940-1980
 Supermarkets
 Grocery trade
 Genre/Form: Advertising
 Chromogenic processes
 Photographs -- 1900-2000 -- Chromogenic

Box 8, Folder 6

[Exterior view: Line of people with lawnmowers and other steel products](#)

Box 8, Folder 6

[Classroom with teacher and children \(2 versions\)](#)

[Jones & Laughlin ad campaign: staged image of a classroom with molten metal pouring in the background, Aliquippa, 1960 : chromogenic color transparency], 1960

1 Item (8" x 10".)
 Photographer: d'Arazien, Arthur
 Advertiser: Jones & Laughlin
 Language: English.
 Notes: AC0314-0000004.tif (Scan No.)

Dye on film.
 From Box 8, folder 6.
 Photographs must be handled with cotton gloves unless protected by sleeves.
 Platform has woman and two children, with teacher's desk and student furniture. 360-B in white ink on film.

Topic: Classrooms
 Steel industry and trade -- 1940-1980
 Steel industry and trade
 Place: Pennsylvania
 Aliquippa (Pa.)

Genre/Form: Chromogenic processes
Photographs -- 1900-2000 -- Chromogenic
Transparencies

[Jones & Laughlin ad campaign: staged image of a household kitchen and family, with a ribbon of molten metal flowing in background, Aliquippa, 1960 : chromogenic color transparency], 1960

1 Item (8" x 10".)

Photographer: d'Arazien, Arthur

Advertiser: Jones & Laughlin

Language: English.

Notes: AC0314-0000005.tif (Scan No.

Dye on film.

From Box 8, folder 6.

Photographs must be handled with cotton gloves unless protected by sleeves.

Set, photographed from a high angle, shows five figures and a dog. 360-A in white ink on film.

Topic: Steel industry and trade -- 1940-1980

Kitchens

Family -- 1940-1960

Steel industry and trade

Genre/Form: Chromogenic processes
Photographs -- 1900-2000 -- Chromogenic
Transparencies

[Staged household kitchen with family for J & L Steel Co. advertising campaign : color transparency], 1960

1 Item (8" x 10".)

Image(s): [Jones & Laughlin ad campaign: staged image of a household kitchen and family, with a ribbon of molten metal flowing in background, Aliquippa, 1960 : chromogenic color transparency], 1960.

Photographer: d'Arazien, Arthur

Advertiser: Jones & Laughlin

Language: English.

Notes: AC0314-0000005.tif (AC Scan)

Dye on film.

In Box 8, Folder 6.

Unrestricted research use on site by appointment. Photographs must be handled with cotton gloves unless protected by sleeves.

Staged kitchen scene inside J & L Steel Co. plant in Aliquippa, Pennsylvania.

Used April 27, 2010, on the Smithsonian Photographic Initiative web site, "click! photography changes everything" (<http://click.si.edu>) to accompany contributor Jeremy Wolfe's (a professor at Harvard School of Medicine who investigates visual attention) story, which reflects on how photography changes what and how much we remember.

Topic: Iron and steel industry -- Pennsylvania

	<p>Kitchens -- 1940-1960</p> <p>Place: Pennsylvania Aliquippa (Pa.)</p> <p>Genre/Form: Advertising Photographs -- 1950-1960 -- Color transparencies -- Acetate</p>
Box 8, Folder 6	<p>[Jones & Laughlin ad campaign: automobiles in studio, Aliquippa, Pa. : chromogenic color transparency], 1960 1 Item (8" x 10".) Image(s): Rainy street with brightly colored automobiles, policeman in yellow raincoat directing traffic (2 views) Image(s) Photographer: d'Arazien, Arthur Advertiser: Jones & Laughlin Notes: AC0314-0000003.tif (Scan No.) Dye on film. From Box 8, folder 6. Photographs must be handled with cotton gloves unless protected by sleeves. Image of a staged traffic jam to allow woman a child to cross the street in the rain, Aliquippa; 1960. Paper label glued to sleeve.</p> <p>Topic: Steel industry and trade Place: Pennsylvania Aliquippa (Pa.) Genre/Form: Chromogenic processes Photographs -- 1900-2000 -- Chromogenic Transparencies Advertising</p>
Box 8, Folder 6	Women in kitchen
Box 8, Folder 7	Jones and Laughlin Steel abstractions, #361 (5 items), incl. Pattern of Ends of Oil Well Pipe,
Box 9, Folder 1	Jones and Laughlin Steel, basic steel making. (5, 4" x 5"; 32, 8" x 10") [344, 345, 346, 347]
Box 9, Folder 1	Steel mill. Charging the open hearth, Pittsburgh, Pa., 1951. Photographed with flash powder. Note that this picture (taken in 1951) is fading. The yellow layer has faded, and if yellow were added in copying it, it would look like it did originally. A magazine article described the production of this photograph, in which d'Arazien consulted Roy Stryker: he used 15 21-in. satin-finished reflectors holding four bulbs each, plus six 2-ounce flash-powder charges, triggered from one central 110-volt box. 20 men helped d'Arazien's assistant John Bacchus handle the lighting. The camera was an 8" x 10" Deardorff with a 10-inch Ektar f/6.3 lens. With Daylight Type Ektachrome film, d'Arazien calculated an exposure at f/16. Apparently two exposures were made.

Box 9, Folder 1	Blast furnaces. Cleveland, Ohio, 1951 Three variations, one of which was photographed through a copper screen.
Box 9, Folder 1	Steel mill, blast furnaces. Aliquippa, Pa., 1952. Two variations, each of double exposure. Both are exposed one time at dusk and then one or two times after dark while hot metal transfer cars move out of mill and make the streaks.
Box 9, Folder 1	Iron mine, ball mill. Iron ore is crushed in these cylinders by rotating, and steel balls fall in on the ore to break it up. Adams Mine, Kirkland Lake, Ont., Canada, 1961.
Box 9, Folder 1	Continuous casting of steel, Aliquippa, Pa., 1969.
Box 9, Folder 1	Jones and Laughlin Steel, at twilight, 1951, 1964, 1968 (21) [357]. Steel at Twilight: Jones and Laughlin Steel Corporation [chromogenic color transparency], 1949 1 Item (8 x 10".) Photographer: d'Arazien, Arthur Client: Jones & Laughlin Language: English. Notes: 01031401a (AC scan) Dye on film. Photographs must be handled with cotton gloves unless protected by sleeves. Photograph taken at the Jones and Laughlin Steel Corporation in Pittsburgh, Pennsylvania. Topic: Steel industry and trade Genre/Form: Chromogenic processes Photographs -- 1900-2000 -- Chromogenic Transparencies
Box 9, Folder 1	Steel mill at dusk, Southworks, 1964. Five variations using multiple exposures. Exposure through copper screen to make stars of lights. Exposure for lights with camera out of focus to balloon the lights.
Box 9, Folder 3	Jones and Laughlin Steel, hot metal rolling (28) [348 351].
Box 9, Folder 3	Hot rolling mill. Rolling T beams, Cleveland, Ohio, 1958.
Box 9, Folder 3	Steel mill, hot slab storage area. Slabs from the blooming mill are stored until needed and then are reduced further by rolling. The slabs are made from ingots in the blooming mill, Pittsburgh, Pa., 1961.
Box 9, Folder 4	Jones and Laughlin Steel, cold rolling, Hennepin, Cleveland (16) [352 354].
Box 9, Folder 4	Rolling cold steel. Five stand rolling mill, 1968.
Box 9, Folder 5	Jones and Laughlin Steel, continuous cast hot slabs. Adams mine (29) [362 366].

Box 9, Folder 6	Kennicott Copper Co. (24) [400, 401].
Box 9, Folder 7	Litwin Corporation (6) (1 negative, 5 positives).
Box 9, Folder 7	Ardmore, Oklahoma.
Box 9, Folder 7	Rock Island, Ind.
Box 9, Folder 8	Martin Marietta Corp. (1)
Box 9, Folder 8	Closeup of a circuit board for computer used in space research.
Box 10, Folder 1	National Steel (2, 4" x 5"; 14, 8" x 10").
Box 10, Folder 1	Steel, tin rolling mill.
Box 10, Folder 1	Steel, annealing.
Box 10, Folder 1	Stamping auto fenders, American Motors.
Box 10, Folder 1	Steel, hot rolling mill.
Box 10, Folder 2	NL Industries (1)
Box 10, Folder 2	Pouring lead molds, Perth Amboy, N.J.,
Box 10, Folder 3	Oil refinery, Bahamas (2).
Box 10, Folder 4	Olin Corporation (15).
Box 10, Folder 4	Paper. New digestors under construction for paper mill, West Monroe, La.,
Box 10, Folder 4	Fordenier, paper making machine, West Monroe, La.,
Box 10, Folder 4	New lime kiln, West Monroe, La.
Box 10, Folder 4	Fordeniers, paper making machines, wet end. Kraft paper in background, white paper in foreground. Pisgah Forest, N.C.,
Box 10, Folder 4	Rolling copper tubing, Western Brass Division, East Alton, Ill.,
Box 10, Folder 4	Slitting cigarette paper, Brevard, N.C.
Box 10, Folder 5	Pittsburgh Pirates (1).
Box 10, Folder 5	The year they won the pennant, Forbes Field, Pittsburgh, Pa.,

Box 10, Folder 6	Quebec Iron and Titanium Co. (div. of Kennicott Copper Co.) (1).
Box 10, Folder 6	Pouring hot irons (pigs), continuous casting,
Box 10, Folder 7	Republic Steel Co. (3)
Box 10, Folder 7	Hot rolling, Warren, Ohio,
Box 10, Folder 8	SAS, 460A (1).
Box 10, Folder 8	Jet caravelle at SUD Aviations, Toulouse, France, 1958. Models were from Toulouse Opera Company. Lighted entirely with flashbulbs, photographed in rain.
Box 10, Folder 9	Sheraton Center Hotel, New York City (4).
Box 10, Folder 9	For national advertising, Needham and Grohmann Agency, 1981 Interior and exterior lighting with strobe synchronized.
Box 10, Folder 10	Squibb Pharmaceutical Company (1)
Box 10, Folder 10	Radiation lab. Research with radiated materials. Squibb, New Brunswick, N.J., 1955.
Box 10, Folder 11	St. Regis Paper Co., Furgeson Mill, Prentiss, Miss., 1968 (11).
Box 10, Folder 11	Dry end kraft papermaking machine. [466]
Box 10, Folder 11	Wet end papermaking machine. [466A]
Box 10, Folder 11	Wood yard and lime kiln. [466B]
Box 10, Folder 11	Chemical tanks and railroad car. [466C]
Box 10, Folder 11	Wood chip blowers. [466D]
Box 10, Folder 11	Water purification, for re-use in paper mill. [466E]
Box 10, Folder 11	Paper mill. Dry end of Kraft fordenier, 1966. Lit by approximately twenty flashbulbs.
Box 10, Folder 11	Paper mill. Wood chip blowers, 1968.
Box 10, Folder 12	Stauffer Chemical Co. (2) [470]
Box 10, Folder 13	Union Camp Corp., Franklin, Va., 1970. (13)
Box 10, Folder 13	Paper mill. Wet and dry ends of fordenier. Lit with flashbulbs.

Box 10, Folder 14	Union Carbide Corp., Texas City, TX 1969 (2)
Box 10, Folder 14	Petrochemical plant. Two variations using multiple exposures: one involved four exposures on a single sheet of film with combination day night exposures.
Box 11, Folder 1	Uniroyal (3)
Box 11, Folder 1	Tiremaking. Ardmore, Oklahoma.
Box 11, Folder 2	Universal Oil Products ad campaign, 1975 (11).
Box 11, Folder 2	Syracusa, Italy. [482]Algeciras, Spain: Rock of Gibraltar. [482A]
Box 11, Folder 2	Texas City Refining, Texas City. [482B]
Box 11, Folder 2	Champlin Oil Co., Corpus Christi. [482C]
Box 11, Folder 2	Sun Oil Co., Corpus Christi. [482D]
Box 11, Folder 2	Refinery. Algeciras, Spain. Rock of Gibraltar in background. Combination day night exposure.
Box 11, Folder 3	US Steel Corporation (24, 8" x 10"; 25, 4" x 5").
Box 11, Folder 3	Charging the open hearth furnace with hot iron from the blast furnaces. Edgar
Box 11, Folder 3	Thompson Works, Pittsburgh, Pa., 1947.
Box 11, Folder 3	Hot metal transfer car at blast furnace. Edgar Thompson Works, Pittsburgh, Pa.,
Box 11, Folder 3	Hot iron transfer car to take metal from blast furnace to open hearth. Edgar Thompson Works, Pittsburgh, Pa.,
Box 11, Folder 3	Hot saws, cutting railroad track. Edgar Thompson Works, Pittsburgh, Pa., 1947. Holiday magazine cover.
Box 11, Folder 3	US Steel Homestead Works, Homestead, Pa., 1948. Note air pollution.
Box 11, Folder 3	Steel mill. Exterior of blast furnace, dumping overflow of slag, Duquesne, Pa.,
Box 11, Folder 3	Steel Building, newly built. Pittsburgh, Pa. 1971. Two variations, each using combination day night exposure. A third variation was photographed from Mt. Washington.
Box 11, Folder 3	Taking pyrometer reading at teeming platform. Inland Steel Co., Gary, Ind., 1948 (4" x 5").

Box 11, Folder 3	Besemer furnace, pulpit operator. National tube Co., Pittsburgh, Pa., 1949 (4" x 5").
Box 11, Folder 3	Dolomite machine adding dolomite to open hearth. Pittsburgh, Pa., 1949 (4" x 5").
Box 11, Folder 3	Blast furnace, hot iron transfer car. Edgar Thompson Works, Pittsburgh, Pa., 1949 (4" x 5").
Box 11, Folder 3	Hot metal transfer car, from blast furnace to open hearth, Homestead, Pa., 1951 (4" x 5").
Box 11, Folder 4	Westvaco, 499 (1)
Box 11, Folder 5	Whithall Cement Company (1)
Box 11, Folder 5	Cement plant with cement trucks, Cementon, Pa., 1960, at dusk.
Box 11, Folder 6	Wyndott Chemical Co. (1)
Box 11, Folder 6	For National Bank of Detroit, Detroit, Mich.
Box 11, Folder 7	Miscellaneous industry (7) [427 428]
Box 11, Folder 7	Rolling oil well pipe. National Supply, 1954. Multiple exposures.
Box 11, Folder 7	Making nylon hosiery at Hanes, 1956.
Box 11, Folder 7	Amusement park, Coney Island skyride, 1946. Long exposure (Kodachrome film) experiment.
Box 11, Folder 7	Tractors. Massey Furgeson, 1949.
Box 11, Folder 7	Bonneville Dam. Electric generating and transformer plant, The Dalles, Oregon,
Box 11, Folder 7	Welding Chrysler auto chassis.
Box 11, Folder 8	City views and landscapes, especially night skylines (21).

[Oakland-Bay Bridge, San Francisco \[chromogenic color transparency\], 1970](#)
1 Item (9.9" X 8".)

Photographer: d'Arazien, Arthur

Language: English.

Notes: AC0314-0000031.tif (AC Scan)

Dye on film.

In Box 11, Folder 8.

Unrestricted research use on site by appointment. Photographs must be handled with cotton gloves unless protected by sleeves.

Photograph with combination day-night exposure of the Oakland-Bay Bridge in San Francisco.

Topic: Night photography
Night
Bridges -- California

Place: San Francisco-Oakland Bay Bridge (Oakland and San Francisco, Calif.)
San Francisco Bay Area (Calif.)
San Francisco (Calif.)
California -- San Francisco

Genre/Form: Transparencies
Photographs -- 1970-1980 -- Chromogenic
Time exposures

Box 11, Folder 8	Chicago, Ill., skyline, Lake Shore Drive. Prudential building in center,
Box 11, Folder 8	Chicago skyline, the Loop and Sears Tower under construction,
Box 11, Folder 8	Oakland Bay Bridge, fog rolling in. San Francisco, Cal., 1970. Combination day night exposure. Three different viewpoints, one taken from Treasure Island.
Box 11, Folder 8	Salt Lake City, Utah, 1970. Photographed from the top of a grain storage silo. Combination day night exposure.
Box 11, Folder 8	Waits River, during winter. Snow covered village, Vermont,
Box 11, Folder 9	Miscellaneous (16, 4" x 5"; 3, 8" x 10").
Box 11, Folder 9	1933 Bugatti photographed at the Henry Ford Museum.
Box 11, Folder 9	Interior cockpit of 747. Test pilots prior to test flight,
Box 11, Folder 9	Planting utility poles, Albuquerque, N.M., 1977.
Box 11, Folder 9	Bushels of tomatoes with workers (2, 4 x 5"), marked NY State 46, made in 1946, probably at a Birdseye plant, for Steelways on Kodachrome.

Subseries 2.2: Color Photonegatives and Color Photoprints

Scope and Contents: 104 color negatives, 8" x 10" unless otherwise noted, including a folder of miscellaneous "abstract" images, with 1 8" x 10" black and white highlight mask. Arranged alphabetically by client and subject.

Box 12, Folder 1	ABT (3).
Box 12, Folder 2	Abstracts. 10, 4" x 5"; 10, 8" x 10".
Box 12, Folder 3	Alabama Baldwin County: tree harvesting machine, 1975 (1).

Box 12, Folder 4	American Cyanamid (1).
Box 12, Folder 4	Chemiluminescence research,
Box 12, Folder 5	American Metals Climax (4).
Box 12, Folder 5	Potash mining, New Mexico,
Box 12, Folder 5	Titanium pouring,
Box 12, Folder 6	AMF (2). Voit Division,
Box 12, Folder 6	Buffalo: Missile launch parts,
Box 12, Folder 7	Bahamas (1).
Box 12, Folder 7	Painting top of oil storage tank, Bahamas Nepco
Box 12, Folder 8	Barium Steel Co., 1950 (1).
Box 12, Folder 8	Scarfing steel ingots with oxygene torch.
Box 12, Folder 9	Bethlehem Steel Co. (1).
Box 12, Folder 9	Welding steel slabs, Bethlehem, Pa.,
Box 12, Folder 10	California Weed: big log storage yard, 1975 (1).
Box 12, Folder 11	California San Francisco Golden Gate Bridge, 1969 (1).
Box 12, Folder 12	Carrier Corp. (1) Noise level tests,
Box 12, Folder 13	Colorado: snow mass, undated (1).
Box 12, Folder 14	Dallas Power and Light: double exposure, in and out of focus, 1967 (1).
Box 12, Folder 15	Eastman Kodak Co., 1958 1976 (5).
Box 12, Folder 15	Fire engines for ads, Lynbrook, L. I.,
Box 12, Folder 15	Burlington Northern--Chicago skyline, Kodak bicentennial ads,
Box 12, Folder 16	Emery Worldwide Freight, 1981 (1).
Box 12, Folder 17	Fire engines with firemen on ladder, undated (1).
Box 12, Folder 18	Florida (2). Silver Springs: underwater view,

Box 12, Folder 19	Ford, River Rouge, 1963 (6).
Box 12, Folder 20	Foundry: pouring engine parts into sand molds, 1963 (2).
Box 12, Folder 21	General Crude Oil Co., Texas (1): rice harvest,
Box 12, Folder 22	General Electric Co., 1960 1970 (9).
Box 12, Folder 22	Cutting large ship's gear,
Box 12, Folder 22	G.E. turbines.
Box 12, Folder 22	New York World's Fair, 1966: G.E. Building.
Box 12, Folder 22	Generator wiring,
Box 12, Folder 22	Missile recovery heat tests, research,
Box 12, Folder 22	Chicago Transit System (for G.E. calendar),
Box 12, Folder 22	Independence Hall, Philadelphia (for G.E. calendar),
Box 12, Folder 22	Chicago Loop (A stopped the train for a picture for G.E. [annual report] cover),
Box 12, Folder 22	Boston--Bicentennial--G.E. calendar,
Box 12, Folder 23	S.S. Hope: sandblasting hull, Baltimore, 1968 (1).
Box 12, Folder 24	Illinois Chicago. Skyline, 1965 (1).
Box 12, Folder 25	International Nickel Co., 1969 1971 (4).
Box 12, Folder 25	Nickel miners, dry room, INCO, Thompson, Manitoba,
Box 12, Folder 25	Nickel mine tailings, INCO, Thompson, Manitoba,
Box 12, Folder 25	Nickel mine tailings, aerial view, Thompson, Manitoba, 1969 (1).
Box 12, Folder 25	Jumbo drill, nickel mine,
Box 12, Folder 26	International Paper Co., 1976 1977 (5).
Box 12, Folder 26	Paper rewinders, Cali, Colombia,
Box 12, Folder 26	Long pile storage, California,
Box 12, Folder 26	Logging operation, California,

Box 12, Folder 26	Rice harvesting, Texas,
Box 12, Folder 26	Sawmill, automatic sorting and bundling, Sampit, Arkansas,
Box 12, Folder 27	Jones and Laughlin Steel Corp.: blast furnace, Aliquippa, 1954 (1).
Box 12, Folder 28	Kennecott Copper Co., 1959 1968 (1, 4" x 5"; 4, 8" x 10").
Box 12, Folder 28	Copper mine, Bingham Canyon, Utah.
Box 12, Folder 28	Open pit mine, Bingham Canyon, Utah,
Box 12, Folder 28	Abstract, copper leaching ponds, Utah,
Box 12, Folder 29	Lincoln Center for the Performing Arts, New York,
Box 12, Folder 29	1 color negative and 1 black and white highlight mask.
Box 12, Folder 30	Montage (Christmas decorations?), undated (1).
Box 12, Folder 31	National Steel, Detroit: oxygen furnace, 1963 (1).
Box 12, Folder 32	New Mexico Albuquerque: installing utility poles, undated (1).
Box 12, Folder 33	Norway North Sea off coast, 1970 (1).
Box 12, Folder 34	Pennsylvania Pittsburgh Forbes Field, 1962? [sic] (1).
Box 12, Folder 35	St. Gobaine Glass Co: tempering plate glass, undated (1).
Box 12, Folder 36	St. Regis Paper Co., 1967 (3).
Box 12, Folder 36	Furgeson Mill.
Box 12, Folder 36	Paper mill--digestors--Prentiss, Miss.
Box 12, Folder 36	Log cars for paper mill, Prentiss. Miss.
Box 12, Folder 37	Steel mill, unidentified, undated (1.)
Box 12, Folder 38	Union Carbide chemical plant, undated (1).
Box 12, Folder 39	U.S. Steel Corp., 1949 and 1963 (6).
Box 12, Folder 39	Reheating furnaces, forge, Pittsburgh,
Box 12, Folder 39	Hot saws cutting railroad track,

Box 12, Folder 39	Blast furnace, Duquesne Works, Pa.,
Box 12, Folder 40	240 Water purification pond, Androscoggin, Maine, 1976 (1).
Box 13	All items listed depict activities at various Texasgulf Corporation plants, 1978 and 1979. Each of the 16 images listed is in the form of an 8" x 10" negative with a corresponding paper contact print.
Box 13, Folder 1	Soda ash mining, Granger, Wyoming, 1978 (2 images).
Box 13, Folder 2	Potash mining by solar evaporation, Moab, Utah, 1978.
Box 13, Folder 3	Potash mining by evaporation with indigo dye added to speed evaporation, Moab, Utah,
Box 13, Folder 4	Sulfur mining, New Gulf, Texas, 1978 (2 images).
Box 13, Folder 5	Phosphate mine, Aurora, North Carolina,
Box 13, Folder 6	Phosphate and chemicals plant, Lee Creek, Aurora, North Carolina,
Box 13, Folder 7	Phosphate mine, Lee Creek, Aurora, North Carolina, 1979.
Box 13, Folder 8	Phosphate mining with drag line, Lee Creek, Aurora, North Carolina,
Box 13, Folder 9	Zinc flotation cells, Timmons, Ontario,
Box 13, Folder 10	Zinc ingots: storage area in smelter, Timmons, Ontario,
Box 13, Folder 11	Pouring zinc ingots, Timmons, Ontario,
Box 24, Folder 2	8" x 20" color negatives (2), made with an Eastman Kodak 8" x 20" camera, in oversize box, (q.v.):
Box 24, Folder 2	Road going into Lincoln Tunnel, downtown N.Y. in background,
Box 24, Folder 2	New York City (midtown) about 1949-1950.
Box 14, Folder 2	Champion Paper Co.: No. 19 machine, dry end papermaking, Canton, N.C. (1).
Box 14, Folder 3	Champion Paper Co.: papermaking machine, Canton, Ohio [sic] (7).
Box 14, Folder 4	Champion Paper Co.: lime kiln at paper mill, Pasadena, Texas (1).
Box 14, Folder 5	Champion Paper Co.: wet end papermaking, Canton, N.C. [sic], 1965 (2).
Box 14, Folder 6	Champion Paper Co.: exterior of plant, Canton, N.C. (3).

Box 14, Folder 7	Champion Paper Co.: cutting pulpwood with chain saw, South Carolina (3 2 1/4" x 2 1/4" negatives, cut, with contact prints).
Box 14, Folder 8	Colorado Fuel and Iron Corp.: open pit iron ore mines, Utah, 1954 (1 4" x 5" negative with contact print).
Box 14, Folder 9	Colorado Fuel and Iron Corp.: coils of steel rod, Pueblo, Colo., 1954 (1 2 1/4" x 2 1/4" negative with contact print).
Box 14, Folder 10	Colorado Fuel and Iron Corp.: scarfing steel billets with oxygen, Pueblo, 1954 (3 2 1/4" x 2 1/4" negatives with contact prints).
Box 13, Folder 12	Revolving drums with steel balls crush ore as they turn, Timmons, Ontario.

Subseries 2.3: Black and White Photonegatives and Photoprints

Box 14	Black and white photonegatives, 8" x 10" unless otherwise noted, some with contact prints as noted.
Box 14, Folder 1	American Metals Climax (Amex): pouring titanium, Langloth, Pa. (1).
Box 14, Folder 11	General Electric Co.: transformers, Philadelphia, 1965 (2).
Box 14, Folder 12	General Electric US Steel Corp., Gary Works (Ind.): unloading iron ore, 1962 (2 8" x 10" negatives; 6 strips of 2 1/4" x 2 1/4" negatives with contact prints).
Box 14, Folder 13	General Electric Co.: unloading coal, Toledo, Ohio, 1962 (2).
Box 14, Folder 14	Great Lakes Steel (division of National Steel Co.): stamping auto parts, Kenosha, Wis., 1962 (2).
Box 14, Folder 15	Johns Manville: spinning asbestos yard, Manville, N.J., 1945 (3 4" x 5" negatives with contact prints).
Box 14, Folder 16	Jones and Laughlin Steel Corp.: charging open hearth, South Works, Pittsburgh (5" x 7" copy negative from color).
Box 14, Folder 17	Jones and Laughlin Steel Corp.: "Steel at Twilight" (8" x 10" copy negative from color transparency).
Box 14, Folder 18	Jones and Laughlin Steel Corp.: hot rolling steel, "blooming mill," Cleveland, Ohio, May 1958 (3).
Box 14, Folder 19	Jones and Laughlin Steel Co., Pittsburgh, Pa.: rod mill, 1955 (6 2 1/4" x 2 1/4" negatives with contact prints).

Box 14, Folder 20	Kennecott Copper Co.: mine, Chino, New Mexico, 1954 (3 8" x 10" copy negatives from color transparencies).
Box 14, Folder 21	Kennecott Copper Co.: casting copper anodes, Chino, N.M., 1954 (1 8" x 10" copy negative from color transparency).
Box 14, Folder 22	Kennecott Copper Co., Chino, N.M.: mine, loading copper ore, 1954 (1 2 1/4" x 2 1/4" negative).
Box 14, Folder 23	National Steel: hot rolling steel, Great Lakes, 1962 (2).
Box 14, Folder 24	National Steel Co. (Midwest Steel Div., Gary, Ind.): rolling steel, cold roll, for automobiles, 1962 (6).
Box 14, Folder 25	U.S. Steel: Adams coal mine, West Virginia, cutting into face of mine (1 4" x 5").
Box 14, Folder 26	U.S. Steel, Pittsburgh: pumping slag from steel mills, Brown's Dump, 1948 (2 4" x 5" negatives with prints).
Box 14, Folder 27	U.S. Steel, Fairless Works, 1962 (3 4" x 5").
Box 14, Folder 28	U.S. Steel, Lorraine, Ohio: unloading limestone at mill, 1947 (2 4" x 5" negatives, 1 print).
Box 14, Folder 29	U.S. Steel, Lorraine, Ohio: Hevlet[?] unloaders, limestone, 1947 (2 4" x 5" negatives with prints).
Box 14, Folder 30	U.S. Steel, Pittsburgh: charging open hearth, closeup of "melder," for Steelways Magazine, 1949 (3 4" x 5").
Box 14, Folder 31	U.S. Steel, Homestead Works, Pittsburgh: teeming (open hearth), 1951 (2).
Box 14, Folder 32	Warren Paper Co., Maine: paper making, Old Fordenier, log storage pile, 1946 (3 4" x 5" negatives with contact prints).
Box 14, Folder 33	New York night soft focus, 1960 [skyline] (1).
Box 14, Folder 34	Oil derricks, Signal Hill, Huntington, Cal., 1957 (7 2 1/4" x 2 1/4" negatives, 6 contact prints).
Box 14, Folder 35	Old saw mill in the Ozark Mountains, Arkansas, 1948 (1 4" x 5").
Box 15, Folder 1	Alcoa, Golden Gateway Plaza, San Francisco, 1968 (1).
Box 15, Folder 2	Allegheny Ludlum, Breckenridge, Pa., 1967 (7).
Box 15, Folder 3	Anaconda Copper, Torrington, Conn., inspecting copper wire coils, undated (2).

Box 15, Folder 4	Anaconda Copper (6).
Box 15, Folder 5	Brooklyn Bridge at night, 1960 (1).
Box 15, Folder 6	Carrier Corp., manufacturing air conditioners, Syracuse, New York, June 1969. 8" x 10" negatives (22) and 1 contact print.
Box 15, Folder 7	Champion Paper Co., South Carolina: cutting pulpwood, 1955 (1 negative, 1 print).
Box 15, Folder 8	Champion Paper Co., Hamilton, Ohio, 1964: papermaking (2).
Box 15, Folder 9	Champion Paper Co., Hamilton, Ohio, 1964: new paper machine (8).
Box 15, Folder 10	Champion Paper Co., Pasadena, Texas, 1964: #27 machine (4).
Box 15, Folder 11	Continental Can Co., Augusta, Georgia: wood crane and paper machine, 6/29/66 (2).
Box 15, Folder 12	Crompton Richmond, Charlottesville, Va.: manufacturing corduroy and velveteen, 1969 (uncounted strips of 2 1/4" x 2 1/4").
Box 15, Folder 13	General Electric Co.: lightning research, 1961 (2 copy negatives from damaged color transparency).
Box 15, Folder 14	IBM, Lexington, Ky.: manufacturing typewriters, 1963? (1).
Box 15, Folder 15	International Nickel, Sudbury, Canada, and Huntington, W. Va., 1966. 8" x 10" negatives (14).
Box 15, Folder 16	International Nickel, Sudbury, Canada, 1972 (3).
Box 15, Folder 17	International Nickel, Sudbury, Canada, 1972 (7).
Box 15, Folder 18	International Nickel: 1938 Bugatti, Henry Ford Museum, Dearborn, Mich. (1 copy neg.).
Box 16, Folder 1	Jones Laughlin, Cleveland: blast furnaces, interior and exterior, 1965 (7 8" x 10" and 11 2 1/4" x 2 1/4" negatives, 12 contact prints).
Box 16, Folder 2	Jones and Laughlin Steel Co., Hennepin, Ill., 1968 (10 8" x 10" negatives with 1 contact print).
Box 16, Folder 2	5 stand cold rolling mill.
Box 16, Folder 2	Storage, rolls and flat steel.
Box 16, Folder 2	Pickling line.

Box 16, Folder 2	Outdoor storage and crane.
Box 16, Folder 2	Control room for 5-stand rolling mill.
Box 16, Folder 3	Jones and Laughlin Steel, Aliquippa, Pa.: continuous casting of steel, control rooms (9).
Box 16, Folder 4	Jones and Laughlin Steel Corp., Pittsburgh Works: first tap of open hearth with a bazooka, circa 1950 (1).
Box 16, Folder 5	Jones and Laughlin Steel Corp., Cleveland, Ohio: reducing mill (blooming mill), 1957 (2).
Box 16, Folder 6	Jones and Laughlin Steel Corp.: zinc coating of steel, circa 1957 58 (1).
Box 16, Folder 7	Jones and Laughlin Steel Corp., Cleveland, Ohio: rolling mill (10).
Box 16, Folder 7	Motor room of hot rolling mill.
Box 16, Folder 7	Hot rolling steel.
Box 16, Folder 7	Annealing furnaces.
Box 16, Folder 7	End of hot rolling mill, cooling roll with water at end.
Box 16, Folder 7	Inside control pulpit in hot steel rolling mill.
Box 16, Folder 8	Jones and Laughlin Steel Corp., Aliquippa, Pa.: end of blooming mill, 1953 (1).
Box 16, Folder 9	Kennecott Copper Co., Quebec Iron and Titanium Div., Sorel, Canada (5).
Box 16, Folder 9	Pouring titanium pigs into molds.
Box 16, Folder 9	Pouring titanium from converter into ladle.
Box 16, Folder 9	8 pigs of titanium being loaded into railroad flatcar.
Box 16, Folder 10	Olin paper mill, Pisgah Forest, North Carolina, 1964 (2).
Box 16, Folder 11	Olin, New Brunswick, N.J.: pharmaceutical research, radiation labs, 1964 (2).
Box 16, Folder 12	St. Regis Paper Co., Furgeson Mill, Prentiss, Mississippi, 9/23/68 (108 2 1/4" x 2 1/4" negatives).
Box 16, Folder 13	St. Regis Paper Co., Montecello, Mississippi, 9/23/68 (5 8" x 10" negatives with 2 contact prints).

Box 16, Folder 14	Union Camp, Franklin, Va., 1971: papermaking (4 negatives, 4 prints).
Box 16, Folder 15	Union Carbide, Texas City, 1965: chemical plant (2).
Box 16, Folder 16	US Steel, Pittsburgh, Pa.: new building, 1971 (3 8" x 10", 22 2 1/4" x 2 1/4").
Box 16, Folder 17	US Steel. For Holiday magazine cover, Oct. 1949 (1 copy negative from color).
Box 16, Folder 18	Western Brass, div. of Olin, East St. Louis, Mo., 1963: pouring brass (1).
Box 17	Black and white photoprints, 11" x 14" maximum size, single prints, unmounted, unless otherwise noted:
Box 17, Folder 1	Copies of 2 letters to Ivan Dmitri of "Photography in the Fine Arts," dated March 25, 1960 and March 20, 1961, mounted back to back.
Box 17, Folder 2	20 miscellaneous industrial photoprints, mounted back to back (10 pieces).
Box 17, Folder 3	2 views of Kaiser automobile plant, Willow Run, Mich., 1955? Unmounted.
Box 17, Folder 4	3 views of Golden Gateway Plaza, Alcoa, San Francisco, Cal. Unmounted.
Box 17, Folder 5	2 prints, Jones and Laughlin: hot rolling mill, Aliquippa, Pa.; and "Open Hearth, Pittsburgh," 1953. Unmounted.
Box 17, Folder 6	Building transformers, General Electric Co., Philadelphia, 1962. Unmounted.
Box 17, Folder 7	Negative print, "Coney Island Ride (Experimental),"
Box 17, Folder 8	Stamping Automobile Body Parts, National Steel Co.,
Box 17, Folder 9	U.S. Steel Homestead Works,
Box 17, Folder 10	2 prints, Ford Motor Co., River Rouge, Mich., one dated 1953.
Box 17, Folder 11	Stamping Ford Thunderbird,
Box 17, Folder 12	Montana wheat harvest,
Box 17, Folder 13	Fairchild Aviation, Farmingdale, N.Y.,
Box 17, Folder 14	Pickling acid bath, air conditioning parts, Carrier Corp., Syracuse, N.Y.,
Box 17, Folder 15	Hortensphere, Celanese Corp., Bishop, Texas,
Box 17, Folder 16	Champion Paper Co., Pasadena, Texas,

Box 17, Folder 17	9 prints, Champion Paper, Hamilton, Ohio,
Box 17, Folder 18	7 views, logging operations, etc., Champion Paper, Canton, North Carolina,
Box 17, Folder 19	2 views, pouring copper bars, Ray, Arizona, Kennecott Copper Co., 1954. 10" x 8" and 8" x 10".
Box 17, Folder 20	2 views, Kennecott Copper Co.,
Box 17, Folder 21	Rolling aluminum, Anaconda Copper Co., Waterbury, Conn.,
Box 17, Folder 22	Wood chip blowers, Furgeson Mill, St. Regis Paper Co., Prentiss Mill, 1968. 7 7/8 x 7 3/4".
Box 17, Folder 23	Titan missile, Buckley Field, Denver, Colo.,
Box 17, Folder 24	International Nickel miners, Sudbury, Ont., 10" x 8".
Box 17, Folder 25	4 views, Irving Cooper performing brain surgery for Parkinson's disease, St. Barnabas Hospital, Bronx, N.Y., 1960. 11" x 11" to 11" x 12".
Box 17, Folder 26	Book of 32 original prints, mounted back to back, Ford's Wixom Assembly Plant. Cover stamped Scott d'Arazien, Inc.
Box 18, Folder 1-6	Arthur d'Arazien at work portraits and photographs of setups, etc.
Box 18, Folder 1	39 prints, 8" x 10".
Box 18, Folder 2	11 prints, 5" x 7".
Box 18, Folder 3	38 prints, 2 1/4" x 2 1/4", including 2 of d'Arazien with Roy Stryker.
Box 18, Folder 4	16 negatives, 2 1/4" x 2 1/4", including 2 of d'Arazien with Roy Stryker.
Box 18, Folder 5	25 negatives, 2 1/4" x 3 1/4".
Box 18, Folder 6	28 negatives, 4" x 5".
Box 19	Additional negatives and prints of d'Arazien at work.
Box 20	[Photographer Arthur d'Arazien at work. Photoprints.] 1 Boxe (photographs) Photographer: Eisenstaedt, Alfred Notes: 1991.3059 (Nonacc. No.) Located in boxes 20 and 22. Unrestricted research access on site by appointment. Unprotected photographs must be handled with gloves.

B. 1898; photojournalist for Life Magazine; d. Aug. 24, 1995; known as Eisie to colleagues.

Donated by Arthur d'Arazien.

Names: d'Arazien, Arthur

Topic: Photographers

Genre/Form: Photographs -- 19th-20th century -- Black-and-white photoprints -- Silver gelatin

Box 21

Enlargements, 8" x 10" to 11" x 14" prints, of d'Arazien at work.

Subseries 2.4: Color Photoprints: Enlargements Mounted on Masonite

Image(s)

[Lightning Research #2. General Electric Co.](#)

Hot Saw Cutting Railroad Track. U.S. Steel Corporation, Edgar Thompson Works, Pittsburgh,

[Abstract #6. Structural beams, Jones and Laughlin Steel Corporation. 36-1/8 x 24".](#)

[Abstract #3. Water purification pond, St. Regis Paper Company.](#)

[Portrait of Three Miners. International Nickel Co., Manitoba, British Columbia.](#)

[Blue Teeming. Jones and Laughlin Steel Corporation.](#)

[Abstract \(aircraft wing parts\). McDonnell Douglas Corporation. 36 x 24", signed.](#)

[Rice Truck "being loaded into truck for delivery to storage bins". International Paper Co.](#)

[Teeming #1. Hot steel poured into molds, U.S. Steel, Thompson Works, Pittsburgh.](#)

[Steel at Twilight. Jones and Laughlin Steel Co., South Works, Pittsburgh,](#)

[Foundry. Pouring hot iron into molds. Corn Products Co. International.](#)

[Potash Mining, Evaporation Ponds. Moab, Utah, Texasgulf Corporation, 1982. 36 x 24".](#)

[Abstract: Steel Re heating Furnaces. International Nickel Co. 24 x 36".](#)

[Abstract #1. Paint in a bucket, Crompton Richmond. 24 x 36".](#)

[LNG Tanker \(Liquid Natural Gas\). Consolidated Natural Gas Co.,](#)

Logs, Mt. Shasta, California. Giant Douglas fir logs to be used for home building, furniture, and paper making. International Paper Co.

Metropolis. Used in advertisements for Kodak and d'Arazien. 26 x 31", faded to magenta.

Phosphate Mining. Texasgulf Corporation. Plus another print without hanging strips TO BE NUMBERED. 20 x 24".

Jumbo Drill. Makes holes for blasting in nickel mine, International Nickel Company.

ERTS Satellite. General Electric Co.

Abstract #2. Printing ink, Cone Mills. Fair condition. 24 x 36".

Logging, Oregon. "Cutting giant Douglas Fir [sic] tree in Oregon. The tree falling is close to 400 years old."

Lightning Research #1. General Electric Co., inspired by 1961 research.

Nickel Mining. International Nickel Co. [7 miners.] 19 x 15-3/4".

Hot Steel Slabs. National Steel Co. [Marred by fingerprints.] 14-7/8 x 13", unsigned.

Reheating Furnace. U.S. Steel.

Statue of Liberty. To show lighting on statue for General Electric Co. calendar.

Fourth of July, 1979. For General Electric calendar.

Abstract #4. Rust on a chemical tank, Celanese Chemical Co. 24 x 36".

Anchor and Chain of S.S. Hope. "Sandblasting the hull of the SS Hope at the Baltimore shipyards. Fruehauf Corporation.

Oxygen Furnace. National Steel Corporation, 1962.

Dallas Power and Light #2. Very glossy paper. 23-3/4 x 19-3/4".

Log Trucks, California. International Paper Co. "Illustrating logging operations in California." Gouges and water damage. 18 x 23-3/8".

Paper Rewind Machines. International Paper Co., Cali, Colombia [?], 1977. [Somewhat marred by fingerprints.] 17-1/4" x 23-3/4". NO BOX LABEL?

Oil Well, Drill Stem Pipe. Jones and Laughlin Steel Corporation. "For national ad campaign." With fingerprints. 19 x 15".

Hot Steel Slabs. Jones and Laughlin Steel Corporation, Aliquippa, Pa., 1954. 15 x 13", unsigned.

Chicago Skyline. Marina towers and train.

Open Pit Mine. Kennicott Copper Co. copper mine Bingham Canyon, Utah. 15-3/4 x 19-3/4". With letter from Ivan Dmitri taped to verso.

Chip Blowers. St. Regis Paper Co., 1968.

Dallas Power and Light #1.

Long Poles. International Paper Co., Albuquerque, N.M.

Lime Kiln. Champion Paper Co., Pasadena, Texas, 1954. [Numbered 34. "about 1954. 8x10 Deardorff. Multiple exposure: 1. For sky shortly before dusk. 2. After dark for lights in and around building and structure. 3. Flashbulbs (warm) behind kiln.] Damaged, upper right corner. 17-5/8 x 22-5/8".

Steel Sheets. For Jones and Laughlin advertising campaign. 19 x 15".

Steel Slabs Cooling. "Slabs of red-hot steel are cooled gradually under a spray of water."

Hot Saws. U.S. Steel, Edgar Thompson Works, Pittsburgh, Pa.

Prints made by Berkey K and L.

Petroleum Storage Tank, Bahamas. New England Petroleum Co.

47. Abstract #7. "Water purification pond with daisies." St. Regis Paper Works.

48. Lincoln Center, New York.

49. Water Purification Pond. International Paper Co.

50. Steel at Twilight. (On wall opposite mobile shelving.)

51. San Francisco Skyline. Corn Products Co., International. (In receptionist's office.)

52. Texas City. Petrochemical plant, Texas City, Texas. Union Carbide Corp. (In North Room.)

53. Charging the Open Hearth. Pouring hot iron into an open hearth furnace. Jones and Laughlin Steel Corp. This is a typical example of Arthur d'Arazien's technical virtuosity: the entire 1200 foot length of the open hearth was photographed, using sixty large flashbulbs and sixteen ounces of flash powder from twelve positions all

electrically synchronized to fire simultaneously. (In David Haberstick's office, North Room.)

54. Blast Furnaces. Jones and Laughlin Steel Corp., Aliquippa, Pa. 1952. With nicks and fingerprints. 39-3/4 x 29-3/4".

55. Paper Mill Digestors under construction, Olin Corp., West Monroe, La., 1955. With badly damaged corner. 39 x 32".

58. No hanging strips. 19 x 15" unsigned, unphotographed by Cathy.

59. [Logging.] 19 x 15".

60. [Unnumbered] Phosphate mining with crane operator. No wooden strips on back.

Nuclear reactor [chromogenic color transparency]
1 Item (10 x 8".)

Photographer: d'Arazien, Arthur

Language: English.

Notes: Dye on film.

Photographs must be handled with cotton gloves unless protected by sleeves.

Topic: Nuclear energy

Genre/Form: Transparencies -- 20th century
Chromogenic processes

Nuclear reactor #2 [color transparency]

1 Item (10 x 8".)

Photographer: d'Arazien, Arthur

Language: English.

Notes: Dye on film.

Photographs must be handled with cotton gloves unless protected by sleeves.

Topic: Nuclear energy

Genre/Form: Chromogenic processes
Transparencies -- 20th century

[Return to Table of Contents](#)

Series 3: Oversize Prints

Box 28, Folder 1	"Scenes from J and L Steel."
Box 28, Folder 2	8" x 20" color negatives
Box 28, Folder 3	Black and white enlargements.
Box 28	Matted color prints (2)
Box 29	Color enlargements on Masonite
Box 30	Color enlargements on Masonite
Box 26	Scrapbooks: (1) 1954-1967 and (2) 1967-1984
Map-folder 1	Oversize
Map-folder 2	Oversize

[Return to Table of Contents](#)