

# Emory L. Kemp Papers regarding Industrial History A&M 4230

Emory L. Kemp Papers regarding Industrial History  
1735-2021



## Title Statement

Emory L. Kemp Papers regarding Industrial History A&M 4230

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## Profile Description

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## Descriptive Summary

**Unit ID**

A&M 4230

**Unit ID**

[Archival Resource Key](#)

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**Unit ID**

/repositories/2/resources/6270

**Unit Date**

1735-2021

**Language**

English .

**Creator**

Kemp, Emory L.

**Extent**

154.83 Linear Feet 152 document cases, 5 in. each; 92 document cases, 4 in. each; 68 document cases, 2.5 in. each; 32 record cartons, 15 in. each; 1 flat storage box, 1.5 in.; 7 flat storage boxes, 3 in. each; 4 flat storage boxes, 4 in. each; 1 small storage box, 6.5 in.; 1 index card box, 12 in.; 2 oversized items, 1.5 in. total; 2 microfilm reels, 1.75 in. each; 146 oversized folders, 18 in.

**Extent**

6.31 Gigabytes 678 files, formats include ASC, BK!, CAP, CHP, CIF, DOC, DOCX, ED, ELK, JPG, FRM, M4A, MON, MOV, MP4, PAP, PDF, PPT, PPTX, R2D, RTF, TIF, TRE, TXT, VGR, W51, WMA, WP, WPD, WPS, XLSX.

**Physical Location**

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## **Repository**

West Virginia and Regional History Center

# **Administrative Information**

## **Conditions Governing Access**

All or part of this collection is stored offsite. Please make an appointment prior to visiting.

Researchers may access digitized and born digital materials by visiting the link attached to each item or by requesting to view the materials in person by appointment or remotely by contacting the West Virginia & Regional History Center reference department at <https://westvirginia.libanswers.com/wvrhc>.

## **Conditions Governing Use**

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## **Processing Information**

Materials arrived sorted into boxes, generally based on the individual project for which Kemp used the items. A project can be defined as an endeavor that Kemp took on for a concentrated period of time centered on one structure, geographic location, or theme. Examples include the restoration of a historic site or set of historic sites that share a common purpose, documentation of a historic site or set of historic sites that share a common purpose, a publication, a conference, or a grant application. Some boxes appeared to be a mix of materials from various projects and subjects. Such boxes were categorized by the most prominent project or subject within the box or were determined "Miscellaneous."

Some boxes were organized around a common topic rather than a project, especially if Kemp returned to a particular topic throughout his career (an example is research on concrete, a body of scholarship that Kemp drew on for a variety of projects).

At arrival, only some boxes had materials arranged into folders. Where arrangement within a box was obvious (such as materials segregated into manila folders), original arrangement was retained. Otherwise, items were sorted within boxes by format, or, when possible, by sub-topic.

Boxes were clumped together by individual project or topic. The series were created to reflect general categories of purposes for which Kemp used the materials. However, the series "Oversize Material" was not separated based on Kemp's purpose for using the materials; it was created to house all the items from other series that arrived folded inside boxes and do not fit in their original boxes when unfolded.

Because Kemp used so many of the materials in the collection for research, the series "Research Files" was broken down into sub-series by type of project. Boxes were occasionally combined when space allowed and when the materials originated from the same project. Boxes were also occasionally combined when items inside each box did not originate from just one project or just one type of project.

Additionally, Kemp separately donated books from his personal library, which he used throughout his career.

All born-digital materials housed on floppy disks, compact discs, or USB drives were uploaded to repository servers.

Any box and folder citations created before July 2019 may rely upon Kemp's original arrangement and may no longer be accurate. For assistance locating material using an older citation, please ask a staff member of the West Virginia and Regional History Center.

## **Preferred Citation**

[Description and date of item], [Box/folder number], Emory L. Kemp Papers regarding Industrial History, A&M 4230, West Virginia and Regional History Center, West Virginia University Libraries, Morgantown, West Virginia.

# **Biographical / Historical**

Emory Leland Kemp was born to Emory Lelan Kemp and Anita Mae Hucker Kemp on October 1, 1931 in Chicago, Illinois. His family moved to Champaign, Illinois when he was four, and he attended the South Side School and later the University of Illinois High School. Although his teachers at the high school—faculty members at the university—encouraged Kemp to study history, he chose to enter the College of Engineering, just as his father had studied engineering before him. Kemp graduated with a degree in civil engineering in 1952, and the school honored him with the prestigious Ira O. Baker Award as the top-ranked undergraduate student in the Department of Civil Engineering.

Following graduation, Kemp became an assistant engineer with the Illinois Water Survey until war broke out in Korea and the government drafted Kemp into the United States Army. His former boss, now a colonel in the United States Army Corps of Engineers, transferred Kemp to work with the USACE in Alexandria, Virginia.

After two years developing a detector for non-magnetic landmines with the USACE, Kemp applied to and accepted a Fulbright Scholarship to study at Imperial College of Science and Technology in London, England. He studied advanced mathematics and developed an interest in thin concrete roofs. In addition to receiving a Diploma of Imperial College (similar to a Master's degree) after two years in London, Kemp also met his life's partner, Janet. The two were married in 1958, and had three children in the United States: Mark, Alison and Geoffrey.

After his diploma, Kemp remained in London and worked on thin concrete shell roofs for Sir Bruce White, Wolfe Barry and Partners. He transferred to Arup and Partners, where he worked on the design behind the Sydney Opera House (developing the pre-stress and post-tension piles on the end of the building) and the hangars at the Royal Air Force Abingdon station. Soon, however, the University of Illinois invited Kemp to return to Champaign to complete a PhD in structural mechanics on full scholarship. He completed a dissertation on torsion in reinforced concrete in 1962. That same year, a faculty position at West Virginia University's School of Engineering became available. Kemp got the job, so he, Janet, and their children moved to Morgantown, West Virginia. He quickly rose to chair the Civil Engineering Department. Under his administration, the Department grew rapidly and received national acclaim. When James Harlow became president of West Virginia University (WVU) in 1967, he sent Kemp to the University of Oklahoma to study their History of Science program. Kemp was intrigued, and soon acquired approval to plan a similar course of study through WVU's History Department. He taught classes on the Industrial Revolution and the history of technology, but did not successfully convince the College of Engineering to require its engineering students to take courses in the history of science. During the 1970s, Kemp became involved in a number of historic preservation projects in West Virginia. First, he got involved in restoring the Wheeling Suspension Bridge, which needed repairs to its suspension wires. Kemp assisted with multiple rounds of restoration on the historic bridge. Then, West Virginia Independence Hall Foundation consulted Kemp on the restoration of the building in which West Virginia seceded from Virginia (although Kemp always referred to the building by its original title, the "Wheeling Custom House"). Kemp investigated the nine-inch wrought-iron I-beams that supported the ceilings and upper floors of the building, and assisted the foundation in interpreting the building as a museum. By the end of the 1970s, Kemp had earned recognition throughout the preservation community. Government agencies contracted with Kemp to document historic industrial and transportation structures through archival photographs and large-scale engineering drawings, so the materials could be submitted to the Historic American Engineering Record. The West Virginia state government also consulted Kemp for a number of projects throughout the 1970s and 1980s, especially involving work on covered bridges. For instance, when the roof of the Philippi Covered Bridge burned in a fire in February 1989, the state hired Kemp to oversee the restoration. Using innovative techniques for covering the top and supporting the old frame with new beams, Kemp gave the bridge its original 1861 appearance. He also assisted in the restoration of the Staats Mill and Barrackville Covered Bridges. Kemp's personal research interests centered on industrial processes in West Virginia, including mining, milling, glassmaking, and railroads. Kemp also founded and co-founded a number of organizations. First, Kemp got involved with a movement to bring the British discipline of industrial archaeology (the study of physical remnants of industrial structures as a method to understand our manufacturing past) to the United States. Kemp helped to found the Society for Industrial Archeology (SIA) in 1971, served as the first editor of the affiliated journal, *IA*, in 1975, and eventually became SIA's president from 1988-1990. Kemp also founded the historic preservation and repurposing organization, Vandalia Heritage Foundation, in 1999. He was a founding member of the Preservation Alliance of West Virginia in 1981. In 1990, Kemp received Congressional funding to establish an Institute for the History of Technology and Industrial Archaeology (IHTIA) at WVU. The IHTIA, which became Kemp's full time job, provided historic preservation consultations, documented historic structures, held workshops and field schools, and published monographs. Over the course of its history, the IHTIA generated \$13 million of research funding and worked on an estimated 86 projects. For all of Kemp's work to preserve historic structures and encourage the spread of information about the history of industrial technology and transportation, the American Society of Civil Engineers named him a Distinguished Member in 2004. By the time he retired in the early 2000s, Kemp had devoted a lifetime to studying and celebrating America's industrial past.

## Scope and Contents

This collection includes materials from Dr. Emory L. Kemp's career of researching, documenting, and preserving historic structures. Kemp was a practicing civil engineer from 1952-1959, then taught civil engineering, historic preservation, and the history of technology from 1962-2003 at West Virginia University. He served as an expert consultant for the preservation of many historic engineering structures, including bridges, waterways, and mills. He also published regularly and remained active in several professional organizations.

Materials includes correspondence, engineering drawings, drawings, various styles and types of maps, photographic prints, photographic contact sheets, photographic negatives, drafts of monographs, bound copies of the United States Congressional Series, published scholarly articles and books, book excerpts,

reports, computer-generated data, handwritten notes, oral histories and oral history transcripts, brochures, and realia. A significant amount concerns Kemp's process of documenting historic structures for the Historic American Engineering Record and the National Register of Historic Places.

All contents fall within 1735 and 2021. The bulk of the original materials are from 1959-1999. Almost all the materials from 1735-1949 are facsimiles that Kemp collected for his research.

Most of the materials pertain to West Virginia and surrounding states: Kentucky, Maryland, Ohio, Pennsylvania, and Virginia. Kemp also consulted on projects in other states and countries, such as Alabama, Louisiana, Michigan, New Jersey, New York, Oklahoma, Tennessee, Canada, Great Britain, Australia, and Zimbabwe. Personal materials discuss Kemp's experience in Illinois. In addition, Kemp's research on industrial archeology (the study of the physical evidence of industry and technology) focuses on Great Britain and Australia but also includes places in West Virginia and Pennsylvania. Other states and countries appear briefly as part of Kemp's study of historic bridges, including California, Russia, France, China, and Peru.

Subjects include suspension bridges of West Virginia, covered bridges in West Virginia and Pennsylvania, the history of suspension bridges, bridge preservation, locks and dams in West Virginia (especially along the Kanawha River), navigation along other bodies of water (especially the Muskingum River), industrial structures and industrial production in West Virginia and surrounding states, civil engineers (especially Charles Ellet, Jr.), cement and concrete, the history of engineering, industrial archeology, principles of historic preservation, the process of documenting materials to the standards of the Historic American Engineering Record, Kemp's affiliations within West Virginia University (especially WVU's Institute for the History of Technology and Industrial Archaeology), his affiliations with the American Society of Civil Engineers, and his affiliation with the Society for Industrial Archeology. Throughout the collection, several of Kemp's largest restoration projects appear regularly: the Wheeling Suspension Bridge over the Ohio River in Wheeling, Ohio County, West Virginia; the Wheeling Custom House (also known as West Virginia Independence Hall) in Wheeling, Ohio County, West Virginia; and the West Virginia Covered Bridge Survey that Kemp completed for the West Virginia Department of Highways.

Within this finding aid, the term "engineering drawings" was used to describe materials that may be defined within the engineering field as blueprints, measured drawings, or floor plans. The term "contact sheet" was used to describe a photographic print clearly produced to make a rough draft, positive print of an image from a single negative or photographic negatives on a roll of film (created by holding photograph paper emulsion-to-emulsion with the negative). In addition, the following terms that regularly appeared in the collection have been abbreviated:

- American Society of Civil Engineers (ASCE)
- Baltimore and Ohio Railroad (B&O Railroad)
- Chesapeake and Ohio Canal (C&O Canal)
- United States Army Corps of Engineers (USACE)
- Institute for the History of Technology and Industrial Archaeology (IHTIA)
- Historic American Engineering Record (HAER)
- Historic American Building Survey (HABS)
- National Register of Historic Places (NRHP)
- National Forest (NF)
- National Park Service (NPS)
- Natural Resources Conservation Service (NRCS), previously the Soil Conservation Service (SCS)
- West Virginia University (WVU)
- United States Geological Survey (USGS)

## Separated Materials

Packet of "Early 20th Century Commercial Wood Engravings" booklets ("The S. George Company/The Gramlee Collection/The Permutation Press," "The Stock/Product Block," "The Monogram Block," "The Barrel Label Block," "The Stock Block," and "The Company Block," all copyright 1982 by the Permutation Press) were separated to the Rare Book Room to join related materials on wood engravings.

1 reel of duplicate microfilm of A&M 3007, Little Kanawha River Records, moved to duplicate A&M microfilm.

1 reel of microfilm of the Elizabeth Gazette newspaper, Mar 13 1867 - Jan 11 1869, moved to duplicate newspaper microfilm.

## Keywords

Aqueducts

Canal aqueducts

Canals

Canals--United States  
Cast-iron  
Cement  
Coal mines and mining  
coalfields  
Concrete  
Covered bridges  
Dams  
Engineering  
Engineering -- History  
Flood dams and reservoirs  
Glass blowing and working  
Glass manufacture  
Historic preservation  
Historic sites -- Conservation and restoration  
Industrial archaeology  
Industrial archaeology -- Australia  
Industrial archaeology -- England  
Industrial archaeology -- United States  
Inland navigation  
Iron  
Kanawha River (W. Va.)  
Kanawha River (W. Va.) -- Navigation -- History  
Locks (Hydraulic engineering)  
Milling machinery  
Mills and mill-work  
Mines and mineral resources  
Mines and mineral resources -- West Virginia  
Muskingum River (Ohio)  
Portland cement  
Science -- History  
Steel  
Suspension bridges  
Technology -- History  
Tennessee-Tombigbee Waterway (Ala. and Miss.)  
Truss bridges  
Waterways  
Wheeling Bridge (Wheeling, W. Va.)  
Wrought-iron  
Kemp, Emory L.  
A.G. Lichtenstein and Associates  
Alexandria Canal Company  
American Society of Civil Engineers  
American Society of Civil Engineers. Committee on History and Heritage of American Civil Engineering  
Ellet, Charles, 1777-1847  
National Rivers and Harbors Congress  
Fluty, Beverly B.  
Ove Arup & Partners  
Paul D. Marshall & Associates  
Peyton, Billy Joe  
Preservation Alliance of West Virginia  
Society for Industrial Archeology  
United States. Army. Corps of Engineers  
United States. Army. Corps of Engineers. Ohio River Division.

Vandalia Heritage Foundation  
West Virginia Independence Hall Foundation  
West Virginia University  
Institute for the History of Technology and Industrial Archaeology  
West Virginia University. Institute for the History of Technology and Industrial Archaeology  
Historic American Buildings Survey  
Historic American Engineering Record

## Arrangement

- Research Files (1735-2017)
- Kemp's Library (1855-2015)
- Kemp's Professional Writings (1804-2015)
- Kemp's Other Professional Activities (1849, 1909, 1952-2018)
- Oversize Materials (undated)
- Oral History (2017-2018)
- Addendum of 2019: Records of Trips, Engineering Papers, Edinburgh Fellowship, Suspension Bridge Papers, Miscellaneous (1848-2021)
- Addendum of 2021/04/05 (1768-2014)
- Addendum of 2020: Engineering drawings, maps, other miscellaneous (1909-2003)

## Description of Subordinate Components

### Series 1. Research Files

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97883

**Unit Date** 1735-2017

#### Scope and Contents

This series contains materials Kemp collected and produced throughout his career in preparation for publications, documentation efforts, and preservation work. It contains six subseries: "Bridges;" "Waterways;" "Industrial Structures;" "Engineers, the History of Engineering, and General Historical Topics;" "Historic Buildings;" and "Building Materials."

### Series 1. Research Files -- Bridges

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97884

**Unit Date** 1735-2016

#### Scope and Contents

This sub-series includes the materials Kemp collected and produced while researching, documenting, and preserving bridges. Kemp demonstrated that bridges almost entirely determined the successful transportation of goods and people across bodies of water. He collected an abundance of material about the history and preservation of wooden covered bridges and wire suspension bridges, especially in West Virginia.

Formats include HAER nominations, NRHP nominations, correspondence, handwritten notes, draft reports, photographic prints, photographic contact sheets, photographic negatives, engineering drawings, maps, book excerpts, scholarly journal articles, computer-generated data, pamphlets, event programs, meeting minutes, newsletters, and clippings. Significant amounts of the material are facsimiles.

Subjects include aqueducts; the West Virginia Covered Bridge Survey that Kemp conducted for the West Virginia Division of Highways; Barrackville Covered Bridge over Buffalo Creek near Barrackville, Marion County, West Virginia; Philippi Covered Bridge over the Tygart Valley River in Philippi, Barbour County, West Virginia; Staats Mill Covered Bridge near Ripley, Jackson County, West Virginia; the Milton Covered Bridge over the Mud River in Milton, Cabell County, West Virginia; the Wheeling Suspension Bridge over the Ohio River in Wheeling, Ohio County, West Virginia; Bridgeport Lamp Chimney Company Bowstring Concrete Arch Bridge over Simpson Creek in Bridgeport, Harrison County, West Virginia; patenting bridge technology; the history of suspension bridges; the history of covered bridges; Charles Ellet Jr.; James Finley; John A. Roebling; Bollman truss bridges; Fink truss bridges; and Burr truss bridges.

Highlights include brochures of the IHTIA's projects; correspondence on how to preserve the Wheeling

Suspension Bridge, the assessment sheets used to assess the conditions of each covered bridge, and original metal from the Wheeling Suspension Bridge.

Research on bridges may also appear in the following series: "Kemp's Library," "Kemp's Professional Writings," "Kemp's Other Professional Activities," and "Oversize Materials." Kemp also discusses his work on the Wheeling Suspension Bridge and covered bridges in his oral histories in the series "Oral Histories." Research on bridges may also appear in the following sub-series within the series "Research Files": "Industrial structures;" "Building materials;" and "Engineers, the history of engineering, and general historical topics."

### **Edinburgh and Croton (Aqueduct) Water Supply**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97890

**Unit Date** 1813-1843, 1977-1998, and undated (Includes facsimiles)

**Mixed Materials** 324 (Box)

#### **Scope and Contents**

Kemp and his student, Ed Winant, studied early hydraulic systems in Edinburgh, Scotland. They also studied the Old Croton Aqueduct in New York City, New York. Kemp and Winant attempted to publish articles based on their work, and eventually published "John Jervis and the Hydraulic Design of the Old Croton Aqueduct" in the journal Canal History and Technology Proceedings and "Edinburgh's First Water Supply: The Comiston Aqueduct, 1675-1721" in the journal Civil Engineer International . The box contains materials from their research and publication process, as well as materials Winant prepared before he defended his dissertation, "The Hydraulics Revolution: Science and Technical Design of Urban Water Supply in the Enlightenment." The box includes correspondence, drafts of his defense, editorial comments, newsletters, and charts. The box also includes facsimiles of the following: drawings, maps, engineering drawings, books, and book excerpts. Subjects include aqueducts; waterworks in Edinburgh, Scotland; the Old Croton Aqueduct in New York City, New York; the Comiston Aqueduct in Edinburgh, Scotland; hydraulic systems; Enlightenment-era urban water supply systems; European engineers; John B. Jervis; and J.T. Desaguliers. The following oversize items were moved to Box 344: two engineering drawings (1992).

### **Croton Aqueduct**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97891

**Unit Date** 1836-1907, 1949-2002, and undated (includes facsimiles)

**Mixed Materials** 325 (Box)

#### **Scope and Contents**

Kemp studied the Old Croton Aqueduct with student Ed Winant as part of Winant's dissertation. The research culminated in the article "John Jervis and the Hydraulic Design of the Old Croton Aqueduct" in the journal Canal History and Technology Proceedings. Kemp also advised on the exhibit "The Old Croton Aqueduct: Rural Resources Meet Urban Needs" at the Hudson River Museum in Yonkers, Westchester County, New York. He also campaigned for Old Croton to become a National Historic Landmark. The box includes reports, report drafts, event programs, notes, advertisements, brochures, exhibit proposals, bibliographies, engineering drawings, handwritten reports, and scholarly journal articles. The box also includes facsimiles of the following: photographic prints, book excerpts, drawings, reports, maps, engineering drawings, budget lists, agreements and contracts, articles, lists of people, and clippings. Subjects include the effect of the Croton Aqueduct in New York City, New York; John B. Jervis; the training of United States civil engineers; New York City water and hydraulic systems; the hydraulic grade line; aqueducts in New York; European aqueducts; the Manhattan Valley, the Harlem Valley, and French hydraulic engineers like Antoine de Chézy and Pierre Louis Georges DuBuat. Highlights include the National Historic Site nomination form for the Old Croton Aqueduct.

### **Croton Aqueduct**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97892

**Unit Date** 1834-1855, 1885-1902, 1974-1991, undated (includes facsimiles)

**Mixed Materials** 326 (Box)

#### **Scope and Contents**

Kemp studied the Old Croton Aqueduct with student Ed Winant as part of Winant's dissertation. The

research culminated in the article "John Jervis and the Hydraulic Design of the Old Croton Aqueduct" in the journal Canal History and Technology Proceedings. Kemp also advised on the exhibit "The Old Croton Aqueduct: Rural Resources Meet Urban Needs" at the Hudson River Museum in Yonkers, Westchester County, New York. He also campaigned for Old Croton to become a National Historic Landmark. This box includes preparation materials, including reports, correspondence, draft reports, student papers, brochures, notes, and engineering drawings. The box also includes facsimiles of the following: engineering drawings, reports, book excerpts, articles, clippings, and serials. Subjects include the Croton Aqueduct in New York City, New York; the Washington Aqueduct serving Washington, D.C.; Roman aqueducts; John B. Jervis; construction of the Erie Canal; waterworks in New York; the training of civil engineers; the process for publishing the paper; concrete and mortar; and siphons. The following oversize items were moved to Box 344: twenty engineering drawings (undated) and one chart (undated).

## **Delaware Aqueduct**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97893

**Unit Date** 1847, 1903, 1967-1988 (includes facsimiles)

**Mixed Materials** 327 (Box)

### **Scope and Contents**

Kemp prepared a historic structures report and consulted on the restoration of the Delaware Aqueduct Bridge ("Roebling's Bridge"), the oldest wire suspension bridge in the United States. He partnered with A.G. Lichtenstein & Associates, Inc. on the multi-million-dollar restoration, and the project received a presidential award from President Ronald Reagan. This box includes materials used in his consultation, including correspondence, notes, engineering drawings, charts and test results, contracts, budgets, reports and report drafts, newsletters, clippings, press releases, photographic prints, brochures, invitations, and travel ephemera. The box also includes facsimiles of the following: engineering drawings, photographic prints, correspondence, charts, book excerpts, clippings, press releases, notes, and travel ephemera. Subjects include the Delaware Aqueduct that stretches from Minisink Ford, Sullivan County, New York to Lackawaxen, Pike County, Pennsylvania; the Delaware and Hudson Canal in New York and Pennsylvania; the cities of Lackawaxen, Pennsylvania and High Falls, Ulster County, New York; the Brooklyn Bridge in New York City, New York; the Upper Delaware River; the Zane Grey House in Lackawaxen; John A. Roebling; E.H. Huber of the Lackawaxen Bridge Company; cables of suspension bridges; cement types in the aqueduct; and the NPS's takeover of the bridge. Highlights include the Mohawk-Hudson Area HAER Survey. The following oversize items have been moved to Map Cabinet 12, Drawer 15, Folder 4: fifteen engineering drawings (1983 and undated), one chart (1983), and twenty-one sheets of clippings (1979-1983).

## **West Virginia Covered Bridges Materials Preservation**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97894

**Unit Date** 1994-2003

**Mixed Materials** 137 (Box)

### **Scope and Contents**

The IHTIA wrote the report, "Strengthening Historic Covered Bridges to Carry Modern Traffic" for the Federal Highway Administration in 2004. This box includes research materials that served as the basis of the report, including reports and clippings. Subjects include covered bridge restoration, covered bridges in West Virginia, and the strength of various historic building materials. The following items have been moved to Box 342: two sheets of newspaper (1999).

## **West Virginia Covered Bridge Restoration Project (INT-38, Part 1 of 4), Slides/Photos Box 1 of 2**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97895

**Unit Date** 1992-2002 and undated

**Mixed Materials** 138 (Box)

### **Scope and Contents**

Kemp collected photographic material in preparation for his survey of West Virginia covered bridges. The box includes photographic prints, reports, etc. Subjects include the following covered bridges:

Center Point, Dents Run, Fish Creek, Fletcher, Milton, Sarvis Fox/Sandyville, Simpson Creek, Staats Mill and Walkersville. Highlights include paint samples from many of the covered bridges, with notes.

**West Virginia Covered Bridge Restoration Project (INT-38, Part 1 of 4), Slides/Photos Box 2 of 2**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97896

**Unit Date** 1959-1995 and undated (Includes facsimiles)

**Mixed Materials** 139 (Box)

**Scope and Contents**

Materials were originally housed with photographs in preparation for Kemp's survey of West Virginia covered bridges. Includes presentation slides, pamphlets, clippings, lists, engineering drawings, photographs, two floppy disks, etc. Subjects include Shenandoah mills and covered bridges across the United States and the world, with special emphasis on covered bridges in West Virginia, Minnesota and Missouri. The following oversize item was moved to Box 342: one pamphlet (1988).

**West Virginia Covered Bridge Restoration Project (INT-38, Part 3 of 4), Research Materials**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97897

**Unit Date** 1947-2001 (Includes facsimiles)

**Mixed Materials** 140 (Box)

**Scope and Contents**

Kemp collected materials in preparation for a survey of the restoration required for covered bridges across West Virginia. Includes report drafts, facsimile handwritten notes, photographs, maps, correspondence, video scripts and engineering drawings. Subjects include covered bridges in West Virginia, especially the following covered bridges: Fish Creek, Hems Mill, Hokes Mill, Indian Creek, Laurel Creek and Locust Creek. The following oversize items were moved to Map Cabinet 12, Drawer 5, Folder 6: 3 sheets of newspapers (1993).

**West Virginia Covered Bridge Restoration Project (INT-38, Part 4 of 4), Research Materials**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97898

**Unit Date** 1968-1998

**Mixed Materials** 141 (Box)

**Scope and Contents**

Kemp collected materials in preparation for a survey of the restoration required for covered bridges across West Virginia. Includes handwritten notes, budget lists, reports, facsimile photographs, engineering drawings, maps and correspondence. Subjects include the West Virginia Covered Bridge Project and the following covered bridges: Carrollton, Center Point, Dents Run, Fish Creek, Sarvis Fork, Simpson Creek and Walkersville. The following oversized items have been moved to Map Cabinet 12, Drawer 5, Folder 7: three maps (undated), two sheets of facsimile budget lists (undated), six engineering drawings (undated), one pamphlet (1991) and 19 sheets of facsimile clippings (1861-1883, 1947-1978, undated).

**West Virginia Covered Bridge Restoration Project (INT-38, Part 2 of 4), Final Report**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97899

**Unit Date** 1984-1992 and undated

**Mixed Materials** 142 (Box)

**Scope and Contents**

Kemp collected materials in preparation for a survey of the restoration required for covered bridges across West Virginia. Formats include reports, engineering drawings, maps, photographs, facsimile book excerpts, and lists of budgets. Subjects include covered bridges in Pennsylvania, a brief history of covered bridges, and the following specific covered bridges in West Virginia: Barrackville, Center Point, Carrollton, Dents Run, Fish Creek, Fletcher, Hems Mill, Hokes Mill, Indian Creek, Laurel Creek, Locust Creek, Sarvis Fork, Simpson Creek, Walkersville. The following oversized item was moved to Box 343:

poster (undated).

### **Covered Bridges Survey**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97900

**Unit Date** 1970-1993 (includes facsimiles)

**Mixed Materials** 136 (Box)

#### **Scope and Contents**

Kemp conducted a survey of covered bridge conditions across West Virginia in partnership with the Division of Highways and West Virginia University. The box includes research materials for the following covered bridges: Barrackville, Carrollton, Fish Creek, Fletcher, Hems Mill, Hokes Mill, Indian Creek, Laurel Creek, Locust Creek, Sarvis Fork, Simpson and Walkersville. Includes engineering drawings, reports, plans, budget lists, minutes and notes. Subjects include covered bridge restoration and inspection of covered bridges. The following oversize item was moved to Map Cabinet 12, Drawer 5, Folder 5: one pamphlet (undated).

### **Covered Bridge Inventory**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97901

**Unit Date** 1886-1888; 1958-1990, bulk 1974-1976 (Includes facsimiles)

**Unit Date** Bulk, 1974-1976

**Mixed Materials** 128 (Box)

#### **Scope and Contents**

Kemp conducted an inventory of covered bridges across West Virginia and organized the folders in this box by bridge. Robert Seese, Kemp's student, assisted in the survey. Box includes photographs, clippings, maps, engineering drawings, reports and lists of measurements. Subjects include covered bridges of West Virginia, including covered bridges in the counties of Pocahontas, Barbour, Greenbrier, Harrison, Jackson, Lewis, Marion and Monroe. Highlights include NRHP nomination forms for a majority of the bridges and Virginia Antiquities Commission Historic Properties Inventory reports for a majority of the bridges. The following oversized items were moved to Map Cabinet 12, Drawer 4, Folder 10: three sheets of newspaper (1975-1979), three maps (1958 and undated), seven engineering drawings (1974 and undated), 1 magazine clipping (1978). The following two folders were empty and removed: "Philippi Covered Bridge—Barbour County" and "Barrackville Covered Bridge—Marion County."

### **Covered Bridges of West Virginia Video Planning**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97902

**Unit Date** 1966-1993, bulk 1992-1993 (Includes facsimiles)

**Unit Date** Bulk, 1992-1993

**Mixed Materials** 125 (Box)

#### **Scope and Contents**

The IHTIA produced the movie, Uncovering the Covered Bridge in partnership with WSWP-TV. The box includes script drafts, cost lists, correspondence, photographs, an audiotape, handwritten notes, lists, clippings, and drawings. Subjects include covered bridges, movie production, the truss design, bridges of Virginia and West Virginia (especially the Philippi Covered Bridge) and the American Civil War's effect on bridges. The following oversize items were moved to Box 342: four sheets of newspaper (1947-1949 and 1993), three facsimile photographs (undated), and seven pamphlets (1988-1991). A videocassette of Uncovering the Covered Bridge may be found in Box 322 and at the West Virginia Archives and History center.

### **Covered Bridge Video Negative Cuts**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97903

**Unit Date** 1992

**Mixed Materials** 126 (Box)

#### **Scope and Contents**

6 reels of negatives in preparation for the movie, Uncovering the Covered Bridge produced by the IHTIA and WSWP-TV.

### **Barrackville Covered Bridge Engineering**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97904

**Unit Date** 1983-1999 and undated

**Mixed Materials** 143 (Box)

#### **Scope and Contents**

Kemp was the preservation engineer for the West Virginia Division of Highway's project to restore the Barrackville Covered Bridge in Barrackville, West Virginia. Paul D. Marshall & Associates, Inc. collaborated on the restoration of the 1853 Burr covered bridge. Includes clippings, budget lists, reports, contracts, engineering drawings, handwritten notes on bridge dimensions, correspondence, maps and photographs. Subjects include the history of the Barrackville Covered Bridge, including designers Lemuel and Eli Chenoweth, Buffalo Creek (which the bridge spans) and covered bridge restoration. The following oversized items were moved to Map Cabinet 12, Drawer 5, Folder 8: two sheets of newspaper (1999), thirty-two sheets of engineering drawings (1996 and undated), seven maps (1989 and 1996) and two facsimile photographs (undated).

### **Barrackville Covered Bridge Engineering**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97905

**Unit Date** 1873-1877, 1993-1998 (includes facsimiles)

**Mixed Materials** 144 (Box)

#### **Scope and Contents**

Kemp was the preservation engineer for the West Virginia Division of Highway's project to restore the Barrackville Covered Bridge in Barrackville, West Virginia. Paul D. Marshall & Associates, Inc. collaborated on the restoration of the 1853 Burr covered bridge. The box includes measurement lists, cost lists, contracts, meeting notes, reports, engineering drawings and correspondence. Subjects include the structural efficacy of the bridge, its history (including the designers Lemuel and Eli Chenoweth), Buffalo Creek (which the bridge spans), and the restoration of covered bridges in general. The following oversized items were moved to Box 342: one list (undated) and two engineering drawings (1986 and undated).

### **Barrackville Covered Bridge History**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97906

**Unit Date** 1850-1853, 1972-1999, undated (Includes facsimiles)

**Mixed Materials** 145 (Box)

#### **Scope and Contents**

Kemp was the preservation engineer for the West Virginia Division of Highway's project to restore the Barrackville Covered Bridge in Barrackville, West Virginia. Paul D. Marshall & Associates, Inc. collaborated on the restoration of the 1853 Burr covered bridge. Includes reports, facsimile report drafts, handwritten notes, engineering drawings, facsimile and original correspondence, event programs, photographs, meeting transcripts, bridge measurement lists, clippings and facsimile book excerpts. Subjects include the restoration of the bridge and its history (including the designers Lemuel and Eli Chenoweth), Buffalo Creek (which the bridge spans), the efficacy of bridge building materials and Burr Truss covered bridges. Highlights include a NRHP nomination form for the Barrackville Covered Bridge. The following oversized materials were moved to Map Cabinet 12, Drawer 5, Folder 9: one engineering drawing (undated), two sheets of facsimile cost lists (1887), seven sheets of clippings (1972-1994 and undated), two sheets of facsimile court notes (undated).

### **Barrackville Covered Bridge Restoration**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97907

**Unit Date** 1832-1857, 1966-1993 (Includes facsimiles)

**Mixed Materials** 146 (Box)

## Scope and Contents

Kemp was the preservation engineer for the West Virginia Division of Highways' project to restore the Barrackville Covered Bridge in Barrackville, West Virginia. Paul D. Marshall & Associates, Inc. collaborated on the restoration of the 1853 Burr covered bridge. Includes papers, reports, engineering drawings, correspondence, contracts, maps, lists of construction crews, etc. Subjects include covered bridges of West Virginia, the agreement regarding restoration, restoration of covered bridges in general, arch truss bridges, bridge designers Lemuel and Eli Chenoweth, Buffalo Creek (which the Barrackville Covered Bridge spans), and William and Dolly Ice, who owned a mill near the bridge. Highlights include the final report about the Barrackville Covered Bridge. The following oversized materials were moved to Box 342: one facsimile map (undated), one facsimile engineering drawing (undated), and seven sheets of facsimile contracts (1853).

## Dents Run and Center Point Covered Bridges

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97908

**Unit Date** 1979-2002

**Mixed Materials** 147 (Box)

### Scope and Contents

Kemp was part of the effort to restore the Dents Run Covered Bridge in Morgantown, West Virginia, and the Center Point Covered Bridge in Center Point, West Virginia. The collection includes correspondence, reports, contracts, engineering drawings and lists of measurements. Subjects include the Dents Run, Center Point and Barrackville covered bridges, covered bridge restoration in general, and testing building materials. Correspondents include Allegheny Restoration and Builders Inc., Billy Joe Peyton, Paul D. Marshall and Associates, Inc., the West Virginia Division of Highways, and Emory Kemp. Highlights include a wrapper from a can of wood epoxy. The following oversized items were moved to Map Cabinet 12, Drawer 6, Folder 1: eight maps (1954, 1960, 1997 and undated), three sheets of newspaper (1982, 1998).

## Milton Covered Bridge Restoration (Part 1 of 3)

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97909

**Unit Date** 1989-2000 (includes facsimiles)

**Mixed Materials** 218 (Box)

### Scope and Contents

Kemp helped document and suggest the restoration plan for the Milton Covered Bridge over the Mud River in Milton, Cabell County, West Virginia in partnership with the West Virginia Division of Highways. The box includes reports, handwritten notes, correspondence, computer-generated data, a draft PhD dissertation, budget lists, facsimile engineering drawings and photographs. Subject include the Milton Covered Bridge, rehabilitation for historic structures and hydraulic systems in the United States. Highlights include Kemp's report, "History and Restoration Plan for the Milton Covered Bridge."

## Milton Covered Bridge Restoration (Part 2 of 3)

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97910

**Unit Date** 1971-1978, 1988-1997, undated (includes facsimiles)

**Mixed Materials** 219 (Box)

### Scope and Contents

Kemp helped document and suggest the restoration plan for the Milton Covered Bridge over the Mud River in Milton, Cabell County, West Virginia in partnership with the West Virginia Division of Highways. This box focuses on studies of the Milton Covered Bridge and restoration plans for the bridge. It includes handwritten notes, reports, a floppy disk, photographic prints, photographic negatives, photographic contact sheets, engineering drawings, correspondence, clippings, calculations and lists of measurements, budget lists, contracts and minutes. The box also includes facsimiles of the following: photographic prints, maps, engineering drawings, correspondence, reports and clippings. Subjects include the Milton Covered Bridge in Milton, West Virginia; the Lower Mud River; the City of Milton, West Virginia; bridge restoration and repair; the relocation process for a bridge; bridge trusses; soil conservation and erosion; and flood controls for rivers. Highlights include the NRHP nomination form for the Milton Covered Bridge written by Kemp. The following oversize items were moved to Map

Cabinet 12, Drawer 11, Folder 10: six engineering drawings (1988-1997 and undated), three maps (1876 and undated), and ten sheets of clippings (1989-1999 and undated).

### **Milton Covered Bridge Restoration (Part 3 of 3)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97911

**Unit Date** 1972-1998, undated (includes facsimiles)

**Mixed Materials** 220 (Box)

#### **Scope and Contents**

Kemp helped document and suggest the restoration plan for the Milton Covered Bridge over the Mud River in Milton, Cabell County, West Virginia in partnership with the West Virginia Division of Highways. The box includes his research and restoration plans, including reports, budget lists, handwritten calculations, computer print-outs, and correspondence. The box also includes the following facsimiles: engineering drawings, maps and photographic prints. Subjects include the Milton Covered Bridge in Milton, West Virginia; the Lower Mud River; the City of Milton, West Virginia, bridge restoration, trusses on bridges and environmental engineering. The following oversize items were moved to Map Cabinet 12, Drawer 12, Folder 1: one engineering drawing (undated), five sheets of clippings (2002).

### **Philippi Covered Bridge**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97912

**Unit Date** 1979-1996 (Includes facsimiles)

**Mixed Materials** 148 (Box)

#### **Scope and Contents**

Kemp was the chief engineer for the restoration of the Philippi Covered Bridge in Philippi, West Virginia after it suffered damage from a 1989 fire. Includes booklets, notes, calculations, correspondence, clippings, press releases, conference itineraries, specification sheets, resumes, contracts, photos, meeting minutes, magazine excerpts, expenditures, facsimiles clippings, etc. Subjects include the history of the Philippi Covered Bridge, its restoration, the Tygart Valley River (which the bridge spans), and the dedication of the restored bridge. Highlights include correspondence to Kemp from West Virginia Governor Gaston Caperton and the NRHP nomination form for the Philippi Covered Bridge. The following items were separated to Map Cabinet 12, Drawer 6, Folder 2: twelve sheets of newspaper (1989 and undated), four drawings (1990), two pamphlets (1996 and undated), and one list of bridges (undated).

### **Philippi Covered Bridge**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97913

**Unit Date** 1987-1991

**Mixed Materials** 149 (Box)

#### **Scope and Contents**

Kemp was the chief engineer for the restoration of the Philippi Covered Bridge in Philippi, West Virginia after it suffered damage from a 1989 fire. This box primarily contains computer-generated data analysis and measurements related to the restoration of the Philippi Covered Bridge in Philippi, West Virginia. Includes lists of measurements, engineering drawings, reports and project proposals. Subjects include the bridge and its physical structure, and the height of the arc of the bridge. The following oversized items were moved to Map Cabinet 12, Drawer 6, Folder 3: 114 pages of computer data (1987-1989), 3 sheets of engineering drawings (undated), 3 photographic charts (1984-1986), and 56 sheets of engineering drawings (1982-1991).

### **Philippi Covered Bridge**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97914

**Unit Date** 1848-1854, 1952-1999 (Includes facsimiles)

**Mixed Materials** 150 (Box)

#### **Scope and Contents**

Kemp was the chief engineer for the restoration of the Philippi Covered Bridge in Philippi, West Virginia

Kemp was the chief engineer for the restoration of the Philippi Covered Bridge in Philippi, West Virginia after it suffered damage from a 1989 fire. He worked with the Philippi Covered Bridge Restoration Committee, the West Virginia Division of Highways and Paul D. Marshall & Associates, Inc. Includes newsletters, clippings, programs from events, press releases, reports, engineering drawings, technical manuals, photographs, expense lists, meeting minutes and correspondence. Subjects include the bridge and its physical structure; its role in the Civil War; the bridge's designer, Lemuel Chenoweth; and a covered bridge in California (likely the Bridgeport Covered Bridge in Bridgeport). The following oversized items were moved to Map Cabinet 12, Drawer 6, Folder 4: fourteen engineering drawings (1938, 1989, and undated), three drawings (1861), and forty-six sheets of clippings (1989-1991).

### **Philippi Covered Bridge Restoration Photos**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97915

**Unit Date** 1990-1991

**Mixed Materials** 151 (Box)

#### **Scope and Contents**

Kemp was the chief engineer for the restoration of the Philippi Covered Bridge in Philippi, West Virginia after it suffered damage from a 1989 fire. The box contains photographs and photographic proof sheets that document the restoration of the Philippi Covered Bridge. The following oversized items were moved to Box 343: two facsimile photographs (1997 and undated).

### **Staats Mill Covered Bridge Restoration and Camera Equipment**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97916

**Unit Date** 1982

**Mixed Materials** 152 (Box)

#### **Scope and Contents**

Kemp studied the Staats Mill Covered Bridge in Jackson County, West Virginia (also known as the Tug Fork Covered Bridge). When the bridge had to move to a historic museum to make way for a flood control project, Kemp assisted in transferring and restoring the bridge. The box demonstrates how Kemp photographed the Staats Mill Covered Bridge. The box contains a sample of his camera equipment, including 4x5" graphic film holders and film. Also contains a facsimile clipping from the Charleston Daily Mail showing how Kemp used the camera during the Staats Mill Covered Bridge move.

### **Staats Mill (Covered) Bridge Box 1 of 2**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97917

**Unit Date** 1968-1983

**Mixed Materials** 153 (Box)

#### **Scope and Contents**

Kemp studied the Staats Mill Covered Bridge in Jackson County, West Virginia. When the bridge had to move to a historic museum to make way for a flood control project, Kemp assisted in transferring and restoring the bridge. Includes draft reports, draft contracts, correspondence, and grant instructions. Subjects include the history of the Staats Mill Covered Bridge, its physical structure, and its restoration. The following oversized items were moved to Map Cabinet 12, Drawer 7, Folder 2: Six engineering drawings (1982), five pages of draft report (undated).

### **Staats Mill (Covered) Bridge Box 2 of 2**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97918

**Unit Date** 1975-1987

**Mixed Materials** 154 (Box)

#### **Scope and Contents**

Kemp studied the Staats Mill Covered Bridge in Jackson County, West Virginia. When the bridge had to move to a historic museum to make way for a flood control project, Kemp assisted in transferring and restoring the bridge. The box shows evidence of Kemp's work for A.G. Lichtenstein & Associates, Parker Builders, the United States Department of Agriculture SCS (now the NRCS), et al. Includes

correspondence, reports, handwritten notes, cost lists, grant applications, contracts, engineering drawings, slides, a photograph, and clippings. Subjects include the restoration of the Staats Mill Covered Bridge, soil and structural analysis, and contract negotiations. The following oversized items were moved to Map Cabinet 12, Drawer 7, Folder 2: 17 engineering drawings (1981-1982 and undated), 12 clippings (1979-1982).

### **Hamden (Covered) Bridge**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97919

**Unit Date** 1970-1980, bulk 1978-1979

**Unit Date** Bulk, 1978-1979

**Mixed Materials** 131 (Box)

#### **Scope and Contents**

Kemp worked as a consultant for A.G. Lichtenstein & Associates, Inc. on the restoration of the Hamden Fink Truss Bridge, aka Bridge FC-64-Hamden, in Hunterdon County, New Jersey. The bridge was originally constructed in 1858 and had collapsed after being struck by a car. Dr. Kemp organized for this bridge to have all its broken supporting pieces be recast, but the project was never completed due to lack of funding. This box include handwritten and printed plan documentation, correspondence, photographs, technical documentation and drawings, memorandum of agreement, clippings, research notes, a local map, etc. Includes facsimiles. Subjects include the bridge reconstruction in general, foundries/iron casting for the bridge repair, other local bridges Califon Bridge and Landsdown Bridge, etc. Highlights include NRHP nominations for the Hamden Fink Truss Bridge and the Landsdown Bridge. The following oversize items have been moved to Map Cabinet 12, Drawer 5, Folder 3: Four oversize blueprint sheets showing the chord and span details created by A.G. Lichtenstein & Associates, Inc. were moved to oversize containers (undated), one map (1976), one clipping (1980).

### **Pennsylvania Covered Bridge Preservation Survey**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97920

**Unit Date** 1910-1918; 1980-1991 (Includes facsimiles)

**Mixed Materials** 132 (Box)

#### **Scope and Contents**

Kemp performed the Statewide Covered Bridge Preservation Survey for Pennsylvania. Includes minutes, budget lists, correspondence, draft and final contracts, reports, contracts, surveys, lists of data, research notes and facsimile court records. Subjects include covered bridges of Chester County, Pennsylvania, truss covered bridges, bridge restoration and survey design. Correspondents include the Pennsylvania Department of Transportation (PennDOT), Richard Ortega and Emory Kemp. Highlights include the survey sent to assess each covered bridge across the state, preliminary results, and an NRHP nomination for "Covered Bridges of Chester County Thematic Resources." The following oversize items were moved to Box 343: twelve pages of report (1976), fifteen sheets of facsimile handwritten court records (1850-1881).

### **Pine Bank Covered Bridge**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97921

**Unit Date** 1999-2000 and undated

**Mixed Materials** 133 (Box)

#### **Scope and Contents**

Kemp collected materials while preparing to assist in the preservation of the Pine Bank Covered Bridge at Meadowcroft Museum in Studa, Pennsylvania. Includes photographs, draft reports, correspondence, lists of budgets, handwritten notes, etc. Subjects include the Pine Bank Covered Bridge, preservation of bridges, king posts and queen posts in truss bridges, southwestern Pennsylvania, etc. Highlights include the NRHP proposal for the Pine Bank Covered Bridge.

## **Meems Bottom (Covered) Bridge**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97922

**Unit Date** 1964-1983

**Mixed Materials** 134 (Box)

### **Scope and Contents**

Kemp served as a consultant to the Virginia Department of Transportation for the restoration of the Meems Bottom Covered Bridge over the Shenandoah River in Shenandoah County, Virginia. The bridge suffered a fire that destroyed the roof, siding and deck in 1976, but Kemp helped the state open the bridge up for traffic by 1979. The box include reports, a study document written by Kemp and Charles E. Daniels, Jr., analysis tables, correspondence, official project documentation, photos, postcards, printed material, etc. Subjects include the bridge, its history, and its restoration, with additional materials on epoxy repair of wood bridges in relation to the project. The following oversized items were moved to Map Cabinet 12, Drawer 5, Folder 4: four maps (1973); twelve engineering drawings (undated).

## **Covered Bridges Research**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97923

**Unit Date** 1830-1841, 1909-1915, 1958-1994 (Includes facsimiles)

**Mixed Materials** 130 (Box)

### **Scope and Contents**

Kemp collected materials in preparation for a survey of the restoration required for covered bridges across West Virginia. The box includes correspondence, photographs, reports and report drafts, brochures, facsimile book excerpts, student papers, engineering drawings, clippings, journal articles, pamphlets, maps, bibliographies. Subjects include covered bridges across the United States, especially in West Virginia. Highlights include NRHP nomination reports for the following covered bridges: Hokes Mill, Indian Creek, Fletcher, Rooting Creek, Simpson Creek/W.T. Law, Sarvis Fork/Sandyville, Dents Run, Laurel Creek, Locust Creek, Fish Creek and Carrollton. The following oversized items were moved to Map Cabinet 12, Drawer 5, Folder 2: two facsimile photographs (1930 and undated), one map (undated), fourteen sheets of clippings (1981-1993); three sheets of engineering drawings (undated), three sheets of lists of data (1965), one pamphlet (1993), two book jackets (circa 1992).

## **Covered Bridges: General and Miscellaneous**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97924

**Unit Date** 1858, 1888, 1961-1990 (Includes facsimiles)

**Mixed Materials** 129 (Box)

### **Scope and Contents**

Materials prepared for inventory of covered bridges in West Virginia in partnership with Robert Seese, Kemp's student. Includes correspondence, photographs, clippings, pamphlets, handwritten notes, newsletters, postcards, reports and engineering drawings. Subjects include covered bridges across the United States, covered bridges in the West Virginia counties of Wetzel and Pocahontas, and the inventory of covered bridges. The following oversized items were moved to Map Cabinet 12, Drawer 5, Folder 1: fifteen newspaper sheets (1970-1982), one magazine clipping (undated), four engineering drawings (undated), two pamphlets (1972 and undated), seven maps (1970 and undated), and three placemats (undated).

## **Covered Bridges, Miscellaneous**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97925

**Unit Date** 1938-1947, 1980-1998 (Includes facsimiles)

**Mixed Materials** 135 (Box)

### **Scope and Contents**

Kemp collected materials on covered bridges, especially in preparation for consulting on the preservation of the Barrackville Covered Bridge over Buffalo Creek in Barrackville, Marion County, West Virginia. Includes bibliographies, reports, correspondence, newsletters, clippings, facsimile book

excerpts, draft essays, data, pamphlets, drawings and facsimile maps. Subjects include covered bridges in West Virginia and Maryland and burr trusses. The following oversized items were moved to Map Cabinet 12, Drawer 5, Folder 5: four engineering drawings (undated), one pamphlet (undated), and ten sheets of clippings (1975, 1994-1996).

### **Covered Bridges, Miscellaneous**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97926

**Unit Date** 1938-1947, 1980-1998 (Includes facsimiles)

**Mixed Materials** 135 (Box)

#### **Scope and Contents**

Kemp collected materials on covered bridges, especially in preparation for consulting on the preservation of the Barrackville Covered Bridge over Buffalo Creek in Barrackville, Marion County, West Virginia. Includes bibliographies, reports, correspondence, newsletters, clippings, facsimile book excerpts, draft essays, data, pamphlets, drawings and facsimile maps. Subjects include covered bridges in West Virginia and Maryland and burr trusses. The following oversized items were moved to Map Cabinet 12, Drawer 5, Folder 5: four engineering drawings (undated), one pamphlet (undated), and ten sheets of clippings (1975, 1994-1996).

### **Charles Ellet and the Wheeling Suspension Bridge**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97927

**Unit Date** 1814, 1832-1860, 1959-1998 (includes facsimiles)

**Mixed Materials** 174 (Box)

#### **Scope and Contents**

This box includes Kemp's research on Charles Ellet Jr. and the Wheeling Suspension Bridge in preparation for a variety of publications and before he documented the structure of the Wheeling Suspension Bridge. Box includes facsimiles of the following: correspondence, book excerpts, bound copies of the United States Congressional Series Set, engineering drawings and clippings. The box also includes transcribed correspondence and clippings, original photographs, original correspondence and handwritten notes. Subjects include Charles Ellet Jr., the Wheeling Suspension Bridge, suspension bridges in South America, cables in a suspension bridge, and the process for convincing Congress to fund a bridge project. Correspondents include Ellet, wife Elvira or "Ellie," Henry Moore, and Wheeling and Belmont Bridge Company.

### **Wheeling Suspension Bridge: A Pictorial Heritage Drafts**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97928

**Unit Date** 1826-1849, 1908-1926, 1979-1999 (includes facsimiles)

**Mixed Materials** 193 (Box)

#### **Scope and Contents**

Kemp wrote the book *The Wheeling Suspension Bridge: A Pictorial Heritage* with Beverly Fluty. This box includes materials Kemp collected in preparation for the book, including photographic prints, photographic negatives, a draft of the book, lists, drawings, reports, postcards, and floppy disks. Subjects include the Lehigh Gap Bridge in Palmerton, Pennsylvania; Wheeling Suspension Bridge in Wheeling, West Virginia; Charles Ellet Jr.; the bridge's conditions; and the bridge's use. The following oversized items were moved to Map Cabinet 12, Drawer 10, Folder 3: one engineering drawing (undated) and one map (undated).

### **Wheeling Suspension Bridge: A Pictorial Heritage Drafts**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97929

**Unit Date** 1998-1999, undated (includes facsimiles)

**Mixed Materials** 195 (Box)

#### **Scope and Contents**

Kemp wrote the book *The Wheeling Suspension Bridge: A Pictorial Heritage* with Beverly Fluty. The box

includes drafts of the text and captions in the book, correspondence, photographs and floppy disks. The box includes facsimiles of the following: clippings, photographic prints, contact sheets, drawings and engineering drawings. Subjects include Wheeling, West Virginia; the Wheeling Suspension Bridge in Wheeling, West Virginia; Charles Ellet Jr.; suspension bridges of the Ohio Valley; the Wheeling Custom House (also known as West Virginia Independence Hall) in Wheeling, West Virginia; and the Museum of the Oglebay Institute in Wheeling, West Virginia. The following oversize items were moved to Map Cabinet 12, Drawer 10, Folder 4: two engineering drawings (undated).

### **Wheeling Suspension Bridge Research**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97930

**Unit Date** 1811-1862, 1908-1990, undated (includes facsimiles)

**Mixed Materials** 196 (Box)

#### **Scope and Contents**

Kemp consulted on the restoration of the Wheeling Suspension Bridge and co-wrote multiple books on the Wheeling Suspension Bridge, including *The Wheeling Suspension Bridge: A Pictorial Heritage* (with Beverly Fluty). This box includes his research materials, including correspondence, handwritten notes, programs and invitations, scholarly articles, reports, magazine clippings, photographic prints, contact sheets and postcards. The box also includes facsimiles of the following: charters and reports before the West Virginia state legislature, correspondence, scholarly articles, photographic prints, contact sheets, drawings and engineering drawings. Subjects include the Wheeling Suspension Bridge in Wheeling, West Virginia; suspension bridges of France and the United States; other bridges in Wheeling, West Virginia; Charles Ellet Jr.; the Wheeling and Belmont Bridge Company; and the Ohio River. The following oversize items were moved to Box 344: two maps (undated), and ten sheets of engineering drawings (undated). This box was originally titled "Illustrated History of the Wheeling Suspension Bridge," so may have been used to inform Kemp's work on *The Wheeling Suspension Bridge: A Pictorial Heritage*.

### **Wheeling Suspension Bridge and Other Suspension Bridges Research**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97931

**Unit Date** 1894, 1936-1989, undated (includes facsimiles)

**Mixed Materials** 197 (Box)

#### **Scope and Contents**

Kemp researched the Wheeling Suspension Bridge in Wheeling, West Virginia for a number of publications and as part of consulting on the restoration of the bridge in the second half of the twentieth century. The box includes handwritten notes, draft typed and handwritten reports, correspondence and catalog records. The box also includes facsimiles of the following: correspondence, book excerpts, scholarly articles, draft reports, press releases, and handwritten notes. Subjects include the Wheeling Suspension Bridge, the Wheeling and Belmont Bridge Company, repairing the bridge, other suspension bridges in the United States, Smithsonian and NPS exhibitions about physical structures, cable wires and Charles Ellet Jr. Highlights include a draft report by Kemp for the Friends of Wheeling Inc. on preserving the bridge. The following oversize items were moved to Map Cabinet 12, Drawer 10, Folder 5: three flowcharts (undated). The folder "Spanning Niagara, 1848-1962" arrived empty and was removed.

### **Wheeling and Belmont Bridge Company Minutes (related to Wheeling Suspension Bridge)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97932

**Unit Date** 1847-1940 (includes facsimiles)

**Mixed Materials** 198 (Box)

#### **Scope and Contents**

Kemp received facsimile books of the Wheeling & Belmont Bridge Company minutes (the books are marked as Books AI, All). The books include facsimile minutes, correspondence and clippings.

## **Wheeling and Belmont Bridge Company Minutes (related to Wheeling Suspension Bridge)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97933

**Unit Date** 1847-1940 (includes facsimiles)

**Mixed Materials** 199 (Box)

### **Scope and Contents**

Kemp received facsimile books of the Wheeling & Belmont Bridge Company minutes (the books are marked as Books BI and BII). The books include facsimile minutes, correspondence and clippings.

## **Wheeling Suspension Bridge 1999 Restoration**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97934

**Unit Date** 1843-1849, 1879, 1944, 1979-1981, undated (includes facsimiles)

**Mixed Materials** 200 (Box)

### **Scope and Contents**

Kemp garnered support for the restoration of the Wheeling Suspension Bridge along with Beverly Fluty. He also consulted on the plans for restoring the bridge along with the consulting firm Howard, Needles, Tammen and Bergendorf (now HNTB). The box includes his correspondence, draft handwritten reports, handwritten calculations, meeting minutes, contracts and clippings. It also includes facsimile clippings and letters. Subjects include trusses and anchorage on bridges; testing the chemical composition of metallic bridges and tensile testing on bridges; wrought iron; the Wheeling Suspension Bridge's construction; its status as a National Historic Landmark; and revitalizing Wheeling, West Virginia. The following oversized items were moved to Map Cabinet 12, Drawer 10, Folder 6: 36 sheets of newspaper (1847-1856, 1978-1983) and 1 chart (undated).

## **Wheeling Suspension Bridge 1999 Restoration**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97935

**Unit Date** 1995-1999

**Mixed Materials** 201 (Box)

### **Scope and Contents**

Kemp consulted on the restoration of the Wheeling Suspension Bridge in the late 1990s in conjunction with A.G. Lichtenstein & Associates. The box includes work from the restoration, including restoration project proposals, budget lists, correspondence, engineering drawings, photographic prints, facsimile and original handwritten notes, and clippings. Subjects include the restoration of the Wheeling Suspension Bridge in Wheeling, West Virginia; cables across the bridge; the bridge's paint colors; photographing the bridge restoration; a film about the Wheeling Suspension Bridge; the construction crew; the bridge's collapse; the Ohio River; and the National Road. Highlights include a sample of the paint used on the bridge (unclear if it's a sample of the original paint or the paint used for the restoration), and the script for the film, "The Wheeling Suspension Bridge: Monument to the Age of Innovation and Expansion." The following oversized items were moved to Map Cabinet 12, Drawer 10, Folder 7: 4 brochures (1996-1998 and undated), 36 sheets engineering drawings (1979-1998), and 5 sheets newspapers (1997-1999).

## **Wheeling Suspension Bridge Restoration and Fifth Historic Bridge Conference**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97936

**Unit Date** 1847-1849, 1880, 1941, 1971-1997 (includes facsimiles)

**Mixed Materials** 278 (Box)

### **Scope and Contents**

Kemp served on the governor's task force to advise the Division of Highways on planning the renovation of the Wheeling Suspension Bridge in Wheeling, West Virginia, which reopened to traffic in 1983. In 1997, Kemp presented a paper on the restoration of the bridge at the Fifth Historic Bridge Conference in Cincinnati, Ohio. The engineering firms A.G. Lichtenstein & Associates and HNTB Corporation both consulted on the restoration, and C.C.L. Systems Ltd. corresponded about the wire manufacturing. The box includes correspondence, meeting agendas, reports, scholarly articles, meeting minutes, catalog records, research notes, photographic prints, drawings, greeting cards,

clippings, brochures and a floppy disk. The box also includes facsimiles of the following: book excerpts, brochures, clippings, contracts, maps, and engineering drawings. Subjects include the Wheeling Suspension Bridge, the National Road, the Ohio River, John A. Roebling, Charles Ellet Jr., the New Jersey Historic Bridge Preservation Study, wrought iron, metal trusses, threaded wire, wrapping on cable wires on suspension bridges, and coordinating the presentation at the Historic Bridge Conference. Highlights include correspondence from then-Governor Jay Rockefeller to Kemp, an environmental assessment of the bridge, and metal parts from the original bridge used to test the strength of the wires. The following oversize items were moved to Map Cabinet 12, Drawer 13, Folder 6: 2 news clippings (1983), 46 engineering drawings (1995). The metal parts from the bridge were moved to Box 279.

### **Wheeling Suspension Bridge Restoration and Fifth Historic Bridge Conference**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97937

**Unit Date** 1979 and undated

**Mixed Materials** 279 (Box)

#### **Scope and Contents**

While assisting in the restoration of the Wheeling Suspension Bridge in Wheeling, West Virginia, Kemp acquired original metal parts of the bridge. These metal parts were used to test the strength of the bridge's cable wires. Some of the metal parts were originally packaged separately, and most of those parts arrived in two sub-parts: an approximately six inch-long rod with two threaded ends and a smooth middle, and an approximately 0.75 inch-long threaded rod. Other parts arrived together in one smaller box. At least one part was sent to Kemp by Beverly Fluty.

### **James Finley and Suspension Bridges of Pennsylvania**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97938

**Unit Date** 1839-1905, 1993-2005 (includes facsimiles)

**Mixed Materials** 192 (Box)

#### **Scope and Contents**

Kemp conducted research on engineers who designed famous suspension bridges in preparation for several publications, including the lecture and article, "James Finley and the Origins of the Modern Suspension Bridge." He also advised Don Sayenga's research and managed applications to the West Virginia Academy of Civil Engineers. The box includes typed and handwritten notes, applications, correspondence and transcripts of handwritten correspondence. The box also includes facsimiles of the following: news clippings, correspondence, and book excerpts. Subjects include James Finley; Charles Ellet Jr.; John A. Roebling; John Templeton; the Wheeling Suspension Bridge in Wheeling, West Virginia; the Niagara Falls Suspension Bridge in Niagara Falls, New York; Jacob's Creek Bridge in Mount Pleasant, Pennsylvania; Canadian engineers; bridges of Pennsylvania and Western Maryland; and policies across the civil engineering academic community.

### **Twentieth century Suspension and Cable-Stayed Bridges**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97939

**Unit Date** 1933-1995 (Includes facsimiles)

**Mixed Materials** 172 (Box)

#### **Scope and Contents**

Kemp researched twentieth century suspension and cable-stayed bridges in preparation for various projects and publications. Box includes these research materials, such as clippings, slides, brochures, correspondence and facsimiles of the following: book excerpts, drawings, engineering drawings. Subjects include cable-stayed bridges and suspension bridges in the United States and Europe. There is particular attention to the Normandie Bridge in Le Havre, France; the Williamsburg Bridge in New York City, New York; and the Golden Gate Bridge in San Francisco, California. The following oversize items were moved to Map Cabinet 12, Drawer 8, Folder 2: 12 sheets of clippings (1987), 1 brochure (undated).

## Early Suspension Bridges

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97940

**Unit Date** 1835, 1940-1992 (Includes facsimiles)

**Mixed Materials** 173 (Box)

### Scope and Contents

Kemp studied the development of the suspension bridges for the Smithsonian Institute while partnering with them on projects from 1984-2003. His research took him to Great Britain, France and Germany. The box includes correspondence, brochures, handwritten notes, bibliographies, facsimile book excerpts and facsimile drawings. Subjects include suspension bridges in France, Great Britain and the United States, the Lehigh Valley and the Juniata Crossing Chain Bridge in particular, James Finley, Samuel Brown, Marc Seguin, the Wheeling and Belmont Bridge Company, and navigation along the Rhône River. Correspondents include Don Sayenga. The following oversize items were moved to Map Cabinet 12, Drawer 8, Folder 3: 2 pages of correspondence (1984), 1 sheet research institution pull slip (undated); 1 sheet of an article (1984); 1 brochure (undated), 10 pages bibliography (undated).

## Suspension Bridge Research

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97941

**Unit Date** 1808, 1843-1941, 1975-1995 (Includes facsimiles)

**Mixed Materials** 175 (Box)

### Scope and Contents

The box contains Kemp's research on suspension bridges. It includes original photographs, handwritten notes, and drawings. The box also includes facsimiles of the following: book excerpts, articles, and engineering drawings. Subjects include suspension bridges in the United States (especially Pennsylvania), Europe (especially Germany), restoring bridges, and James Dredge. The folders, "Dredge, J-1843 His patent iron bridges," "Dredge in Ulster: Suspension Bridges [N. Ireland]," and "Carrick-A-Rede Bridge" were empty and removed. The following oversize items were moved to Box 342: three engineering drawings (undated).

## Suspension Bridge Illustrations

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97942

**Unit Date** 1735-1894, 1912-1998 (Includes facsimiles)

**Mixed Materials** 176 (Box)

### Scope and Contents

Kemp collected images of suspension bridges. This box includes originals and facsimiles of the following: drawings, photographs, engineering drawings, and correspondence. Subjects include bridges, suspension bridges, Charles Ellet Jr., John Roebling, James Finley, iron bridges, European suspension bridges, and suspension bridges in the United States (especially the Niagara Bridge, the Brooklyn Bridge, and bridges in Washington, DC and Pennsylvania).

## Suspension Bridge Photographs

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97943

**Unit Date** 1735, 1806-1937, 1983 (includes facsimiles)

**Mixed Materials** 177 (Box)

### Scope and Contents

Kemp collected images of suspension bridges. The box includes photographic facsimiles of materials preserved in books or at other institutions. Includes photographs, engineering drawings, drawings, and maps. Subjects include suspension bridges in Asia and Europe, especially those in Germany, France and Great Britain.

## **Stereographs of Suspension Bridges**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97944

**Unit Date** 1843-1884, 1903, 1970-1977 (Includes facsimiles)

**Mixed Materials** 178 (Box)

### **Scope and Contents**

This box contains stereographs Kemp collected depicting suspension bridges from across the United States.

## **Kemp's Projects on Suspension Bridges**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97945

**Unit Date** 1979-1993 and undated

**Mixed Materials** 179 (Box)

### **Scope and Contents**

Kemp applied for National Science Foundation research grants for two projects: the project "Marc Seguin and the Origins of the Modern Long-Span Suspension Bridge" and "History of the Suspension Bridge, 1801-1870." Kemp also researched suspension bridges in preparation for articles and lectures such as "History of the Modern Suspension Bridge: The European Experience" and "Suspenseful Adventures: Building Bridges of the Niagara," both lectures for the National Museum of American History. The box includes the NSF grant applications, essay drafts, lecture notes, event programs, handwritten notes and facsimile scholarly journal articles. Subjects include suspension bridges in Europe and the United States, suspension bridge engineers, the development of the suspension bridge structure, and the Niagara Bridge over the Niagara Falls.

## **Kemp on Suspension Bridges**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97946

**Unit Date** 1967-1997 and undated, bulk 1972-1978 (Includes facsimiles)

**Unit Date** Bulk, 1972-1978

**Mixed Materials** 180 (Box)

### **Scope and Contents**

Kemp published articles on suspension bridges and bridge engineers for the Institution of Structural Engineers and ASCE. The box includes draft articles, correspondence, conference programs, and engineering drawings. The box also includes facsimiles of the following: photographs, engineering drawings, articles and book excerpts. Subjects include the Wheeling Suspension Bridge, suspension bridges 1801-1870, the Brooklyn Bridge, ASCE conference, Charles Ellet Jr., James Finley, and John Roebling. Correspondents include Kemp, R.J.M. Sutherland, Richard R. Torrens, Margaret Latimer and A.P. Wenzel. The following oversize items were moved to Map Cabinet 12, Drawer 8, Folder 4: eight sheets of draft articles (1973), four sheets of newspaper (1983), two brochures (undated), two posters (1982), one sheet of conference schedule (1972).

## **"A History of Suspension bridge, 1801-1870" Grant Application**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97947

**Unit Date** 1837-1880, 1936, 1970-1993 (Includes facsimiles)

**Mixed Materials** 181 (Box)

### **Scope and Contents**

Kemp applied for an NEH grant to fund his publication, "A History of Suspension Bridge, 1801-1870." The box includes drafts of his grant application, grant application guidelines, clippings, engineering drawings, event programs, newsletters, facsimile book excerpts and lists of rivers, correspondence, comments from grant application reviewers, bibliographies, curriculum vitae and budgets. Subjects include suspension bridges in the Americas and Europe and iron beams. Highlights include a NRHP nomination for the Rehoboth Avenue Bridge.

### **Historic Suspension Bridge References (1 of 9)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97948

**Unit Date** 1810-1997 (Includes facsimiles)

**Mixed Materials** 182 (Box)

#### **Scope and Contents**

Kemp maintained a set of facsimile files on historic suspension bridges to conduct further research. The box of files contains only facsimiles of the following: correspondence, book excerpts, clippings, reports, diaries, patents, drawings and engineering drawings. Subjects include suspension bridges of France (particularly La Roche-Bernard Bridge), suspension bridges of Switzerland (particularly the Fribourg Bridge and bridges in Geneva), the Brooklyn Bridge, the Cincinnati Bridge, the Niagara Falls Suspension Bridge, Pittsburgh's aqueducts and bridges, the Delaware Aqueduct, John Roebling and Charles Ellet Jr. The following oversize items were moved to Map Cabinet 12, Drawer 9, Folder 1: 5 sheets of maps (1994), 5 sheets of engineering drawings (1831 and undated), 9 sheets of clippings (1862-1867 and 1985), 26 sheets of drawings (1854-1859), 85 sheets of book excerpts (1832-1846 and 1993).

### **Historic Suspension Bridge References (2 of 9)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97949

**Unit Date** 1788-2009 and undated (includes facsimiles)

**Mixed Materials** 183 (Box)

#### **Scope and Contents**

Kemp maintained a set of facsimile files on historic suspension bridges to conduct further research. This box includes postcards, reports, essays, books, slides, photographs, correspondence, journal articles, brochures, and research notes. It also includes facsimiles of the following: book excerpts, correspondence, maps, bound copies of the United States Congressional Series Set and court records, patents, journal articles, logs, clippings, ephemera and reports. Subjects include James Finley, Timothy Palmer, John Templeman, and civil engineering in the United States. Subjects especially focus on Pennsylvania and West Virginia suspension bridges, especially the bridges over the Lehigh River, the Juniata Crossing Bridge over the Juniata River, the Spider Bridge at Falls of Schuylkill over the Schuylkill River, and the Chain Bridge over the Potomac River. The following oversize items were moved to Map Cabinet 12, Drawer 9, Folder 2: 1 sheet of brochures (undated), 4 sheets of engineering drawings (1904 and undated), 7 sheets of logs (undated), 4 sheets of New Jersey state government records (1795-1804), 1 poster (1980), 3 sheets of journal articles (1937), 1 sheet of book excerpt (undated), 42 sheets of clippings (1811, 1904-1911, 1975-1980).

### **Historic Suspension Bridge References (3 of 9)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97950

**Unit Date** 1810-1999 and undated (includes facsimiles)

**Mixed Materials** 184 (Box)

#### **Scope and Contents**

Kemp maintained a set of facsimile files on historic suspension bridges to conduct further research. This box includes clippings, newsletters, photographs, handwritten notes, bibliographies, brochures, essays student papers, and correspondence. It also includes facsimiles of the following: book excerpts, diaries or logs, correspondence, photographs, engineering drawings, maps, press releases. Subjects include suspension bridges in France, Ohio, California, Maryland, New York and West Virginia; the Carthage Bridge in Rochester, New York; the Nashville Bridge in Nashville, Tennessee; bridge disasters; Andrew Smith Hallidie; Marc Seguin; and Claude-Louis Navier. The following facsimile oversize items were moved to Map Cabinet 12, Drawer 9, Folder 3: 1 budget list (1842), 21 sheets of book excerpts (1832-1833, 1862-1879), 7 sheets of clippings (1831, 1909, 1989, 2010 and undated), 51 sheets of diaries or logs (1822-1853), 4 sheets of maps (1869, 1986, and undated), 2 sheets of correspondence (1904), 1 brochure (undated), 7 sheets of engineering drawings (1872-1904).

### **Historic Suspension Bridge References (4 of 9)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97951

**Unit Date** 1800-1996 (Includes facsimiles)

**Mixed Materials** 185 (Box)

#### **Scope and Contents**

Kemp maintained a set of facsimile files on historic suspension bridges to conduct further research. The box includes correspondence, handwritten and typed notes, journal articles, newsletters and facsimiles of the following: book excerpts, correspondence, clippings, reports, photographs, and engineering drawings. Subjects include suspension bridges, long span suspension bridges, structural engineering, railroad bridges, structural analysis, stiffening girders for suspension bridges, Faustus Verantius and suspension bridges of China, South America, the Alps Mountains, and the Himalayan Mountains. The following oversize items were moved to Map Cabinet 12, Drawer 9, Folder 4: 3 pages of clippings (1860 and 1984), 18 pages of engineering drawings (undated), 2 sheets of illustrations (1833), and 13 sheets of book excerpts (1855-1856).

### **Historic Suspension Bridge References (5 of 9)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97952

**Unit Date** 1753, 1778-1787, 1816-2009 (Includes facsimiles)

**Mixed Materials** 186 (Box)

#### **Scope and Contents**

Kemp maintained a set of facsimile files on historic suspension bridges to conduct further research. This box contains clippings, articles, books, reports, handwritten notes, photographs, certificates and correspondence. It also includes facsimiles of the following: book excerpts, journal articles, engineering drawings, maps, handwritten notes, lists, dissertations, photographs, drawings, correspondence, and clippings. Subjects include bridges in the United States, the Czech Republic and the British Isles; Montrose Bridge in Montrose, Scotland; Trinity Chain Pier in Edinburgh, Scotland; Brighton Chain Pier (also known as Royal Suspension Chain Pier) in Brighton, England; Findhorn Bridge in Inverness, Scotland; Menai Suspension Bridge in Anglesey, Scotland; the Runcorn Railway Bridge in Cheshire, England; the Clifton Suspension Bridge in Bristol, England; the Yarmouth Suspension Bridge disaster in Great Yarmouth, England; and the Union Chain Bridge in Horncliffe, England. Other subjects include Davies Gilbert and Thomas Telford. The following oversize items were moved to Box 344: 27 pages of book excerpts (1823-1828) and 1 page of clipping (1992).

### **Historic Suspension Bridge References (6 of 9)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97953

**Unit Date** 1812-1917, 1966-1998 (Includes facsimiles)

**Mixed Materials** 187 (Box)

#### **Scope and Contents**

Kemp maintained a set of facsimile files on historic suspension bridges to conduct further research. This box includes essays, report drafts, handwritten notes, correspondence, bibliographies and clippings. The box also includes the following facsimile items: book excerpts, articles, handwritten notes, maps, drawings, and engineering drawings. Subjects include chain cable bridges, the strength of bridge materials, girders and suspension chains, English suspension bridges, suspension bridge theories, Sir John Rennie, C.S. Drewry, John Robison, Isambard Kingdom Brunel, Robert Stevenson, James Dredge, Charles Blaker Vignoles and William T. Clark. The following oversize items were moved to Box 344: 6 sheets handwritten notes (undated), 14 sheets of engineering drawings (1842), 14 sheets of reports (undated), 21 sheets of an essay (1974), 48 sheets of book excerpts (1847-1857).

### **Historic Suspension Bridge References (7 of 9)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97954

**Unit Date** 1818-1900, 1942-1999, undated (Includes facsimiles)

**Mixed Materials** 188 (Box)

#### **Scope and Contents**

Kemp maintained a set of facsimile files on historic suspension bridges to conduct further research. This box also includes materials in preparation for the article "Samuel Brown: Britain's Pioneer Suspension Bridge Builder," later featured in the publication *History of Technology*, Volume 2. The box includes report drafts, clippings, handwritten notes, typed research notes, brochures and correspondence. The box also includes the following facsimile materials: excerpts, correspondence, journal articles, typed research notes, photographs, drawings, engineering drawings, patents and clippings. Subjects include suspension bridges; Samuel Brown; wire bridges; the Union Suspension Bridge in Horncliffe, England; and other suspension bridges in Germany, Austria, Great Britain, the Czech Republic, and Russia. The following oversize items were moved to Box 344: eight sheets of an article (1985) and one sheet of photos and drawings (undated).

### **Historic Suspension Bridge References (8 of 9)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97955

**Unit Date** 1812-1861, 1962-1988, undated (Includes facsimiles)

**Mixed Materials** 189 (Box)

#### **Scope and Contents**

Kemp maintained a set of facsimile files written in French about historic suspension bridges that he used to conduct further research. The box includes correspondence, handwritten notes and lists. The box also includes facsimiles of the following: book excerpts, engineering drawings, handwritten notes and clippings. Subjects include Claude-Louis Navier, suspension bridge, the strength of iron wires in bridges, polygons, Marc Seguin and French research institutions. The following oversize items were moved to Map Cabinet 12, Drawer 10, Folder 1: 1 print (1862), 64 sheets letters (1822-1824), 60 sheets diaries (1822), 10 sheets construction journal (undated), 4 clippings (1821-1825), 59 pages of book excerpts (1826), 30 sheets of reports (1823), 12 sheets of lists (undated), 1 map (undated).

### **Historic Suspension Bridge References (9 of 9)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97956

**Unit Date** 1821-1861, 1911-1935, 1983, undated (Includes facsimiles)

**Mixed Materials** 190 (Box)

#### **Scope and Contents**

Kemp maintained a set of facsimile files written in French about historic suspension bridges that he used to conduct further research. The box includes correspondence, handwritten notes and lists. The box also includes facsimiles of the following: book excerpts, engineering drawings, handwritten notes and clippings. Subjects include Marc Seguin, iron wires, Ponts et Chaussées, Louis Vicat, and French suspension bridges.

### **Bowstring Arch Bridge at Bridgeport**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97957

**Unit Date** 1994-1998 and undated (Includes facsimiles)

**Mixed Materials** 121 (Box)

#### **Scope and Contents**

Kemp consulted on the restoration of the Bridgeport Lamp Chimney Company Bowstring Concrete Arch Bridge in Bridgeport, West Virginia. This box includes facsimiles of the following: photographs, maps, pamphlets and book excerpts. Also includes original photographs, correspondence, invoices, building specifications, and clippings. Subjects include the repair and refurbishment of the Bridgeport Lamp Chimney Company Bowstring Concrete Arch Bridge, the Concrete Steel Bridge Company, Frank Duff McEnteer, P.M. Harrison, Carl E. Furbee, Betty Furbee and Bridgeport, WV. Correspondents include Emory Kemp, M.E.C. Construction and Don Burton of the City of Bridgeport Parks & Recreation Department. Highlights include a Sikatop rock sample, a HAER report for the Bridgeport Lamp Chimney Company Bowstring Concrete Arch Bridge and an NRHP report for the same bridge. The following oversized items were moved to Box 342: 5 engineering drawings (1973 and undated), 3 facsimile manual excerpts (undated).

## **Eads Arch Bridge**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97958

**Unit Date** 1999

**Mixed Materials** 123 (Box)

### **Scope and Contents**

In 2000, Kemp reviewed and critiqued a manuscript initially titled St. Louis Bridge by Robert W. Jackson, although the book's title upon publication was Rails Across the Mississippi: A History of the St. Louis Bridge. This box includes a draft and pictures for the book, and correspondence about the book. Subjects include the Eads Bridge over the Mississippi River connecting St. Louis, Missouri and East St. Louis, St. Clair County, Illinois; James Eads; St. Louis, Missouri; and East St. Louis, St. Clair County, Illinois; the St. Louis, Vandalia and Terre Haute Railroad; the Illinois Central Railroad; Rock Island Bridge; Carnegie and Associates; Effie Afton; etc.

## **Lower Bank Bascule Bridge**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97959

**Unit Date** 1919-2000 (Includes facsimiles)

**Mixed Materials** 124 (Box)

### **Scope and Contents**

Kemp was the preservation engineer leading the New Jersey Department of Transportation's mitigation study on the Lower Bank Road Bridge in Egg Harbor City, New Jersey. He did the study while working for A.G. Lichtenstein & Associates. Includes engineering drawings, photographs, handwritten notes, correspondence, minutes, book excerpts and data sheets. Subjects include the Lower Bank Road Bridge; Atlantic County, New Jersey; documenting structures for HAER; Strauss bascule bridges; etc. Highlights include the HAER report for the Lower Bank Road Bridge. The following oversize materials were moved to Box 342: two sheets of engineering drawings (1993), four data sheets (1961), 38 sheets of council minutes (1991-1925), three clippings (1964).

## **Centerton-Rancocas (Swing) Bridge and Park Avenue Viaduct Research**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97960

**Unit Date** 1977-1981 and undated

**Mixed Materials** 203 (Box)

### **Scope and Contents**

Kemp consulted on the restoration of the Centerton-Rancocas Bridge while working for A.G. Lichtenstein & Associates. The box includes handwritten notes from his research, photographs, correspondence and draft reports. The box also includes facsimiles of the following: reports, maps, engineering drawings, and book excerpts. Subjects include the Centerton-Rancocas Bridge in Centerton, New Jersey; the Park Avenue Viaduct in New York City, New York; rehabilitating damaged bridges; and Burlington County, New Jersey. The following oversize items were moved to Map Cabinet 12, Drawer 11, Folder 1: 29 engineering drawings (1978-1981 and undated), 1 map (1977), 2 clippings (1977-1889).

## **Proentry Road (Truss) Bridge**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97961

**Unit Date** 1924, 1958-1995 and undated (includes facsimiles)

**Mixed Materials** 204 (Box)

### **Scope and Contents**

Kemp consulted on the restoration of the Proentry Road Bridge over Jennings Run in Allegany County, Maryland in partnership with the Allegany County Department of Public Works, the Maryland Historical Trust and the Maryland Highway Administration. Items include correspondence, HAER reports, photographs, negatives, budgets and catalog records, handwritten notes and booklets. The box also includes facsimile correspondence, scholarly articles, engineering drawings, maps, and book excerpts. Subjects include the history of the Proentry Road Bridge and Jennings Run, the process for writing HABS/HAER reports, arch truss bridges in Maryland and the history of Allegany County. Highlights

include HAER reports on the Proentry Road Bridge and the Waverly Street Bridge. The following oversized items have been moved to Map Cabinet 12, Drawer 11, Folder 2: 1 print-out from the Frostburg State University Library online catalog (1994), two engineering drawings (1994).

### **New Jersey Bridges**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97962

**Unit Date** 1891-1948, 1983-2010 (Includes facsimiles)

**Mixed Materials** 211 (Box)

#### **Scope and Contents**

Kemp wrote a report entitled "New Jersey Statewide Historic Bridge Survey." The box includes his research materials and a draft of the report, including correspondence, handwritten notes, photographs, data lists, budget lists and invoices. The box also includes the following facsimile items: book excerpts, invoices, maps, and engineering drawings. Subjects include the historic bridges of New Jersey, highways and canals of New Jersey and transportation systems in the United States. Highlights include HAER reports about Lowthorp Truss Bridge in Clinton, New Jersey; the Lower Bank Road Bridge in Egg Harbor City, New Jersey; and the Fink Through Truss Bridge in Hamden, New Jersey.

### **West Virginia Historic Bridges Report (Box 1 of 3)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97963

**Unit Date** 1973-1993 (Includes facsimiles)

**Mixed Materials** 214 (Box)

#### **Scope and Contents**

Kemp prepared the report "West Virginia Historic Bridges" for the West Virginia Department of Culture and History, the West Virginia Division of Highways and the Federal Highway Administration. It appears the materials were originally part of a collection of papers within an IHTIA archive, because the box includes a finding aid of the "Emory L. Kemp Collection West Virginia Historic Bridges." The box includes handwritten notes, drafts of the West Virginia Historic Bridges report, data entry cards, contact sheets, negatives and photographic prints. The box also includes facsimiles of the following: maps, engineering drawings, book excerpts and photographic prints. Subjects include bridges of West Virginia across many counties, iron truss bridges, Burr truss bridges, covered bridges, restoration of bridges, arches, and girders. Highlights include the finding aid for the IHTIA's collection of Kemp's West Virginia Historic Bridges collection, and Kemp's notebooks recording West Virginia bridge measurements.

### **West Virginia Historic Bridges Report (Box 2 of 3)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97964

**Unit Date** 1972-1989 and undated (includes facsimiles)

**Mixed Materials** 215 (Box)

#### **Scope and Contents**

Kemp prepared the report "West Virginia Historic Bridges" for the West Virginia Department of Culture and History, the West Virginia Division of Highways and the Federal Highway Administration. The box includes his research materials, including correspondence, event programs, photographs, lists, reports and draft reports. The box also includes facsimiles of the following: maps, charts, reports, tables, engineering drawings, and photographs. Subjects include West Virginia bridges in general; the Post Mill Bridge in Wayne County, West Virginia, the Twelvepole Creek Bridge (or "Spunky Bridge") in Wayne County, West Virginia; the St. Georges Bridge in St. Georges, Delaware; bridge formation, arts organizations and bridge preservation. Highlights include the NRHP nomination form for the Elm Grove Stone Arch Bridge in Elm Grove, West Virginia. The following items were moved to Map Cabinet 12, Drawer 11, Folder 7: seven engineering drawings (1979) and one map (undated).

## **West Virginia Historic Bridges Report (Box 3 of 3)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97965

**Unit Date** 1973-1990 (Includes facsimiles)

**Mixed Materials** 216 (Box)

### **Scope and Contents**

Kemp prepared the report, "West Virginia Historic Bridges" for the West Virginia Department of Culture and History, the West Virginia Division of Highways and the Federal Highway Administration. This box includes planning for the survey, including contract agreements, correspondence, handwritten notes, budget lists, reports, clippings, invoices and expense calculations. The box also includes facsimiles of the following: handwritten notes, correspondence, engineering drawings, book excerpts and maps. Subjects include historic bridges of West Virginia, truss bridges, preservation of bridges and construction of bridges. Correspondents include the Federal Highway Administration and the West Virginia Department of Highways. The following oversize items were moved to map Cabinet 12, Drawer 11, Folder 8: seventeen sheets budget lists (1981), six sheets of facsimile engineering drawings (1979), two maps (undated), and two clippings (1929 and 1985).

## **West Virginia Historic Bridges**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97966

**Unit Date** 1887, 1973-2003, and undated (Includes facsimiles)

**Mixed Materials** 217 (Box)

### **Scope and Contents**

Kemp wrote articles about the field of civil engineering and publications about bridges in West Virginia. The box includes these scholarly articles, books and brochures, along with a transcript for a tour, reports and bibliographies. The box also includes facsimiles of the following: maps and handwritten court records. Subjects include canals, West Virginia historic bridges, West Virginia covered bridges, the field of civil engineering, and historic structures preservation. Highlights include a copy of Kemp's report, "West Virginia Historic Bridges" for the West Virginia Department of Culture and History, the West Virginia Division of Highways and the Federal Highway Administration. The following oversize items were moved to Map Cabinet 12, Drawer 11, Folder 9: one brochure (West Virginia Covered Bridges (1988) and eighteen facsimile maps (1607-1881).

## **HAER Advisory Committee and Photographs of West Virginia Bridges and Other Structures (1 of 2)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97967

**Unit Date** 1912-1913, 1956-1991 (Includes facsimiles)

**Mixed Materials** 212 (Box)

### **Scope and Contents**

Kemp served on the HAER Advisory Committee. As part of his research for the committee, he collected photographs of historic bridges and other structures from West Virginia. Many of the materials Kemp collected related to R.P. Davis, a dean of West Virginia University's College of Engineering and the designer of historic bridges in West Virginia. The box includes photographs collected by Kemp and HAER committee materials, including photographic prints, photographic negatives, contact sheets, correspondence, brochures, handwritten notes, facsimile book excerpts and facsimile grant applications. Subjects include historical preservation, HAER, and historic structures (mostly bridges) in Maryland, Pennsylvania and the West Virginia counties of Gilmer, Harrison, Kanawha, Lewis, Marion, Monongalia, Preston, Taylor, Wetzel and Wood. Highlights include a 1930s-era pamphlet about the Smithsonian Museums. The following oversize items were moved to Map Cabinet 12, Drawer 11, Folder 6: one map (1976), four sheets of clippings (1978-1979), 3 sheets of report (undated).

## **HAER Advisory Committee and Photographs of West Virginia Bridges and Other Structures (2 of 2)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97968

**Unit Date** 1959-1961, 1981-1988 (Includes facsimiles)

**Mixed Materials** 213 (Box)

### **Scope and Contents**

Kemp participated in the restoration of the Blaker's Mill that is part of Jackson's Mill, along with Paul D. Marshall & Associates, Inc. and Dennett, Muessig & Associates Ltd. As part of his appointment to the HAER Advisory Committee, Kemp also collected photographs of historic bridges and other structures from West Virginia, especially those related to R.P. Davis. Davis was a dean of West Virginia University's College of Engineering and the designer of historic bridges in West Virginia. The box includes reports, correspondence, photographic prints, budget lists and facsimile maps. Subjects include Blaker's Mill, hydroelectric power, and the New Martinsville Bridge.

## **HAER Photograph Reproductions and Historical and Descriptive Data Regarding Bridges**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97969

**Unit Date** 1991-1994

**Mixed Materials** 158 (Box)

### **Scope and Contents**

The IHTIA sponsored HAER reports to document historic bridges in Pennsylvania and New Jersey. The box contains photographs, bibliographies, and reports for the following bridges: Walnut Street, Old Mill Road, Glen Gardner, New Hampton, Fink Trough-Truss, Rush's Mill, Scarlets Mill, Henszey's Wrought Iron-Arch, Haupt Truss and Hares Hill Road. Folders are separated by bridges.

## **United States and International Bridges**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97970

**Unit Date** 1920, 1962-2000 (Includes facsimiles)

**Mixed Materials** 161 (Box)

### **Scope and Contents**

Kemp collected research materials in preparation for his book The Great Kanawha Navigation and HAER reports. Box includes report drafts, correspondence, facsimile journal articles, pamphlets, photographs, facsimile book excerpts, facsimile clippings, newsletters, handwritten notes, and engineering drawings. Subjects include bridges across the United States and Europe, especially in West Virginia. Highlights include a NRHP nomination form for Laughery Creek Triple Intersection Through-Truss Bridge in Buffalo, Indiana, a HAER report on Texas cable bridges, and handwritten drafts of HAER reports for the Bridgeport Lamp Chimney Company Bridge Bowstring Concrete Arch Bridge over Simpson Creek in Bridgeport, Harrison County, West Virginia. The following oversized items were moved to Map Cabinet 12, Drawer 7, Folder 3: nine sheets of clippings (1992-1995). This box was originally labelled "Great Kanawha Navigation: R."

## **Historic Bridges of the United States**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97971

**Unit Date** 1945-1968; 1992-1998 (includes facsimiles)

**Mixed Materials** 209 (Box)

### **Scope and Contents**

The box demonstrates IHTIA's documentation and restoration process for bridges. It includes reports, photographs, correspondence, clippings, press releases and maps. Subjects include advocating for bridge restoration, the restoration process, truss bridges, and historic bridges in Pennsylvania, Maryland, West Virginia and New Jersey. Highlights include HAER surveys of reinforced concrete arch bridges in Iowa and historic bridges in Pennsylvania and a book about the Dominion Bridge Company from 1945. The following oversized items were moved to Map Cabinet 12, Drawer 11, Folder 5: 4 sheets of engineering drawings (1992), 14 sheets of clippings (1995-1998).

## **Preparing American Bridge Patents**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97972

**Unit Date** 1874-1932, 1977-2000 (Includes facsimiles)

**Mixed Materials** 165 (Box)

### **Scope and Contents**

Kemp wrote the book *American Bridge Patents: The First Century (1790-1890)* with the assistance of Eric DeLong, Shelley Maddex and Larry Sypolt. The box includes book section drafts, especially of the first essay in the book, "Patents Punctuate the History of 19th Century Bridges." The box also includes handwritten notes, correspondence and photographic prints, along with facsimiles of the following: patent applications, engineering drawings, and book excerpts. Subjects include the patent process for bridge technology, West Virginia bridges, and truss bridges.

## **Preparing American Bridge Patents**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97973

**Unit Date** 1828, 1847, 1867-1921, 1963-2005, undated (includes facsimiles)

**Mixed Materials** 202 (Box)

### **Scope and Contents**

Kemp co-wrote and edited the compendium, *American Bridge Patents: The First Century (1790-1890)*. This box includes draft and research materials for the book, as well as research on other bridges. The box includes draft sections of the book, grant proposals, correspondence, articles, HAER reports, budget lists, photographs, contact sheets and slides. The box also includes facsimiles of the following: photographs, engineering drawings and patent applications. Subjects include the early patenting process for bridges; railroad bridges; suspension bridges; bridges of Ohio and Pennsylvania; fink truss bridges; the Zoarville Station Bridge in Tuscarawas County, Ohio; truss frames of bridges; iron girders; and publishing the survey of early bridge patents. Highlights include a pamphlet *The Repertory of Patent Inventions* written in 1828. The following oversize items were moved to Box 344: eight sheets of engineering drawings (1992).

## **Researching and Compiling for American Bridge Patents**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97974

**Unit Date** 1797-1830, 1882-1883, 1976-1998 (includes facsimiles)

**Mixed Materials** 168 (Box)

### **Scope and Contents**

Kemp researched bridge patents and compiled the reports of others in preparation for his book *American Bridge Patents: The First Century (1790-1890)* and other publications. The box includes correspondence, book excerpts, drafts of publications, reports, lists of patents, and clippings. Correspondents include David Simmons and Joy Chau. Highlights include many HAER reports on bridges in Ohio.

## **Bridge Patents Research**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97975

**Unit Date** 1797-1896, 1936, 1979-1997 (Includes facsimiles)

**Mixed Materials** 166 (Box)

### **Scope and Contents**

Kemp conducted research on bridge patents. He may have been preparing for writing articles and books about bridge patents, including *American Bridge Patents: The First Century (1790-1890)*. It includes correspondence, reports, floppy disks and facsimiles of the following: book excerpts, clippings, engineering drawings, and patent applications. Subjects include bridges, the patenting process, covered bridges, Burr truss bridges, bridge engineers and engineering developments. Correspondents include Richard Sanders Allen. The following oversized items were moved to Box 343: three sheets of a scholarly article (1857) and two sheets of engineering drawings (1857).

## **Bridge Patents Research Advertisements and Photographs**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97976

**Unit Date** 1839-1916, 1983-1994 (Includes facsimiles)

**Mixed Materials** 167 (Box)

### **Scope and Contents**

Materials were originally housed with Kemp's research on United States bridge patents, which may have been collected in preparation for articles and books including *American Bridge Patents: The First Century (1790-1890)*. This box includes photographs, photo negatives, reports, and facsimile advertisements and directories. Subjects include bridges, the patenting process, patents housed at the Smithsonian, and bridge companies.

## **Richard B. Osbourne's Bridges**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97977

**Unit Date** 1845-1846, 1932-1987 (Includes facsimiles)

**Mixed Materials** 170 (Box)

### **Scope and Contents**

Kemp researched the bridges of Richard B. Osborne, a bridge engineer in Pennsylvania, as part of a paper he gave for the Society for Industrial Archaeology Meeting in 1986 and an article in the journal *Industrial Archaeology*. Kemp also helped design a bridge replica for the National Museum of American History. The box includes drafts of the essay, clippings, facsimile book excerpts, facsimile and original engineering drawings, student papers, calculations, data lists, facsimile and original photographs, and research notes. Subjects include the Reading-Halls Station Bridge near Muncy, Pennsylvania; the Sunderland Bridge near Deerfield, Massachusetts; the West Manayuk Bridge near Manayuk, Pennsylvania; the Philadelphia and Reading Railway Company (later called the Reading Railway); Pottsville, Pennsylvania; the iron truss bridges; other truss bridges; and the process of conducting research on Richard B. Osborne. Highlights include a HAER report on the Reading-Halls Station Bridge near Muncy, Pennsylvania. The following oversized items were moved to Map Cabinet 12, Drawer 7, Folder 1: 2,013 facsimile pages of diary (1851-1881), 8 engineering drawings (1981-1985 and undated).

## **Thomas Paine and Iron Arch Bridge**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97978

**Unit Date** 1788-1796, 1834, 1973-2000 and undated (Includes facsimiles)

**Mixed Materials** 122 (Box)

### **Scope and Contents**

Kemp presented the lecture, "Thomas Paine and His Pontifical Matters," to the Newcomen Society in 1977. Includes clippings and magazine clippings, lecture drafts, correspondence, reference lists, student papers, lecture announcement, handwritten notes, photographs and illustrations. Subjects include Thomas Paine, his role in bridge construction, the Sunderland Bridge, cast iron bridges and the Newcomen Society. Highlights include drafts of Kemp's lecture, as well as a draft manuscript, "Thomas Paine and His Bridge of Common Sense," by Eric DeLony. The following oversized materials were moved to Box 342: two sheets of clippings (1982), twelve sheets of journal articles (1812), one sheet of magazine clippings (1965), one engineering drawing (undated), one book excerpt (1955-1967).

## **Bollman Truss Bridges**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97979

**Unit Date** 1852-1871, 1919, 1957-1992 (includes facsimiles)

**Mixed Materials** 205 (Box)

### **Scope and Contents**

As director of the IHTIA, Kemp oversaw research by master's degree students Pradeep Kumar and Arvind Patel concerning Bollman suspension truss-frame bridges. The box includes their research, including computer-generated data of measurements, photographic prints, postcards, reports, correspondence, transcribed correspondence, scholarly articles, and presentation slides. The box also

includes facsimiles of the following: book excerpts, engineering drawings, maps, advertisements, and reports. Subjects include Wendel Bollman; Bollman suspension truss bridges; iron truss suspension bridges; constructing bridges; patenting Bollman's suspension truss bridges; the B&O Railroad Potomac River Crossing in Harpers Ferry, West Virginia; and the Bollman Truss Railroad Bridge in Savage, Maryland. The following oversize items were moved to Box 344: 11 sheets of facsimiles clippings (1852 and 1995), 31 sheets of facsimile engineering drawings (1852 and undated).

### **Bollman Truss Bridges**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97980

**Unit Date** 1855, 1965-2004 (includes facsimiles)

**Mixed Materials** 206 (Box)

#### **Scope and Contents**

As director of IHTIA, Kemp collaborated on research about Bollman truss, space truss and Fink truss bridges. The box includes these research materials, including computer-generated data, engineering drawings, reports, correspondence, graphs, book excerpts, handwritten notes, post cards and an invitation. The box also includes facsimile book excerpts and facsimile engineering drawings. Subjects include Wendel Bollman; Bollman truss bridges; the B&O Railroad Potomac River Crossing in Harpers Ferry, West Virginia; the Bollman Truss Railroad Bridge in Savage, Maryland; King's Bridge in Middlecreek Township, Pennsylvania; Fink truss bridges; space truss bridges; patenting bridge designs; compression in bridge parts; bridge loads; and arches. The following oversize items were moved to Box 344: 20 sheets computer print-outs (1985) and 1 facsimile engineering drawing (undated).

### **Cast and Wrought Iron Bridges**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97981

**Unit Date** 1970-1991 and undated (includes facsimiles)

**Mixed Materials** 231 (Box)

#### **Scope and Contents**

The IHTIA considered funding a survey of cast and wrought-iron bridges in the United States. The box includes the notes for that survey and other research materials focusing on iron bridges. It includes correspondence, draft reports, agreements, clippings, engineering drawings, computer-generated measurement lists, and handwritten notes. It also includes facsimile engineering drawings. Subjects include cast and wrought-iron bridges in Massachusetts, Pennsylvania and New Jersey, along with truss bridges and iron bridges in general. Highlights include HAER reports on specific bridges in Massachusetts, Pennsylvania and New Jersey.

### **Bridge Companies**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97982

**Unit Date** 1872-1906, 1972-1981 (includes facsimiles)

**Mixed Materials** 159 (Box)

#### **Scope and Contents**

Kemp maintained research files on bridge companies in Ohio and Pennsylvania. The box includes facsimile book excerpts, facsimile correspondence and facsimile handwritten notes. It also includes reports, engineering drawings and photographs. Subjects include bridge companies; concrete bridges; Spunky Bridge in Catoosa, Oklahoma; Phoenix Bridge in Eagle Rock, Virginia; and Lutten Bridge Company. The following oversize item was moved to Box 342: 1 engineering drawing (undated). Two empty folders, "West Virginia Bridge Companies" and "Champion Bridge Companies—Wilmington, Ohio" were removed.

### **Articles Regarding Historic Bridges and Engineering of Bridges**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97983

**Unit Date** 1834-1913, 1939, 1964-1998 (Includes facsimiles)

**Mixed Materials** 160 (Box)

## **Scope and Contents**

Kemp collected these materials to use as reference when writing about bridges. Includes numerous facsimile book excerpts and facsimile journal articles, as well as original reports, bound copies of the United States Congressional Series Set, newsletters and correspondence. Subjects include rooves, iron structures, developments in civil engineering according to the American Society for Civil Engineering, bridges in the Upper United States South, and bridges over the Ohio River.

## **Miscellaneous Publications and Research Materials Regarding Bridges**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97984

**Unit Date** 1810-1842, 1973-2010 (Includes facsimiles)

**Mixed Materials** 163 (Box)

### **Scope and Contents**

Kemp consulted on the preservation of the Fairmont Pedestrian Bridge while working for A.G. Lichtenstein & Associates and restored the Alexander House as part of his business, Kemp Custom Building. Box includes correspondence, facsimile book excerpts, brochures, photographs, reports, clippings and newsletters. Subjects includes suspension bridges in the United States; the Alexander House; bridges of Edinburgh, Scotland; railroad structures and industrialization. The following oversized items were moved to Map Cabinet 12, Drawer 7, Folder 5: one clipping (2007), one brochure (undated).

## **Bridge and Civil Engineering Research**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97985

**Unit Date** 1838-1874, 1935-2016 and undated (Includes facsimiles)

**Mixed Materials** 232 (Box)

### **Scope and Contents**

Kemp conducted research on the history of civil engineering and bridges, and he collaborated to publish information about the projects of the IHTIA. The box contains the materials from his research, including magazines, book excerpts, reports, photographic prints, articles, handwritten notes, correspondence, and brochures. The box also includes facsimiles of the following: photographic prints, correspondence, and engineering drawings. Subjects include West Virginia structures, wrought iron, bridges civil engineers, and progress in the civil engineering discipline. Highlights include project summaries of IHTIA preservation projects. The following oversized items were moved to Box 344: five brochures (undated).

## **Conducting Bridge Research**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97986

**Unit Date** 1968-2001

**Mixed Materials** 169 (Box)

### **Scope and Contents**

Kemp kept research notes regarding bridges. The box includes handwritten notes, bibliographies, indices, brochures, book advertisements, handwritten notes and cards with sources listed. Subjects include engineering history, suspension bridges, companies building bridges, bridges in North America and Europe, and Victorian British History. The following oversize items were moved to Box 343: four sheets of bibliographies (undated) and one brochure (2001).

## **Computer Structural Analysis of Bridges**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97987

**Unit Date** 1858, 1968-1991, undated (Includes facsimiles)

**Mixed Materials** 171 (Box)

### **Scope and Contents**

Kemp developed methods for analyzing the structure of truss bridges and analyzed West Virginia covered bridges and New York bridges through a mix of computer software and handwritten

measurements. The box includes lists of calculations and measurements, engineering drawings, correspondence, facsimile book excerpts, and handwritten reports. Subjects include bridge arches, the Fink truss, the Bollman truss and engineer John Remington. The following bridges appear multiple times: Meem's Bottom, Philippi, Carrollton, Barrackville, Simpson Creek, and the highway bridge over the Hudson River between Waterford and Lansingburgh (better known as the Troy-Waterford Bridge). The following oversize items were moved to Map Cabinet 12, Drawer 8, Folder 1: eight engineering drawings (undated), three sheets of articles (undated), 157 sheets of computer printouts of measurement lists (1984).

## **ASCE and Historic Bridges Research**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97988

**Unit Date** 1933, 1954-2000, bulk 1979-1992 (Includes facsimiles)

**Unit Date** Bulk, 1979-1992

**Mixed Materials** 162 (Box)

### **Scope and Contents**

Kemp maintained reference records on bridges, and was a member of the American Society of Civil Engineer's Committee on the History and Heritage of American Civil Engineering. As part of the committee, he assisted in advising Ken Burns on the script for Brooklyn Bridge. Box includes clippings, slides, facsimile book excerpts, correspondence, reports, event programs, pamphlets, facsimile journal articles, newsletters and a postcard. Subjects include historic bridges in the United States, their preservation status, and bridge structures. The following bridges receive particular attention: the Aerial Lift Bridge in Duluth, Minnesota; the Ashtabula Bridge in Ashtabula, Ohio; Jefferson Street Bridge in Fairmont, West Virginia; Dunlap's Creek Bridge in Brownsville, Pennsylvania; Eads Bridge in St. Louis, Missouri; Smithfield Street Bridge in Pittsburgh, Pennsylvania; Beckel Bridge in Bethlehem, Pennsylvania; and Haupt Iron Truss Bridge in Altoona, Pennsylvania. Highlights include the NHRP nomination form for the Virginia Street Bridge in Reno, Nevada; Historic Civil Engineering Landmark reports for Kinzua Bridge in Jewett, Pennsylvania and Whipple Cast and Wrought Iron Bowstring Truss Bridge in Albany, New York; and facsimile correspondence from Ken Burns regarding the film, Brooklyn Bridge. The following oversize items were moved to Map Cabinet 12, Drawer 7, Folder 4: 3 pamphlets (1947-1986 and undated), 1 engineering drawings (undated), 21 magazine clippings (1947-1989 and undated), 23 sheets of clippings (1978-2000).

## **Bridges**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97989

**Unit Date** 1835-1908, 1933, 1964-2000 (Includes facsimiles)

**Mixed Materials** 207 (Box)

### **Scope and Contents**

Kemp maintained research files on bridges in North America and Europe. The box includes reports, handwritten notes, clippings, correspondence, brochures, event programs, journal articles, and newsletters. The box also includes the following facsimile items: book excerpts, clippings, correspondence, journal articles and engineering drawings. Subjects include iron arch bridges; railroad bridges; French bridges; truss bridges; bridges in Quebec, Canada; bridges in Wisconsin, Washington, Iowa, Ohio, West Virginia, Pennsylvania, Maryland, Delaware, and Hawaii in the United States; bridge disasters; girders; and dams. The following oversize items were moved to Map Cabinet 12, Drawer 11, Folder 3: 15 sheets of clippings (1979-1983), 2 brochures (undated), 22 sheets of facsimile engineering drawings (1858-1983).

## **Bridges**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97990

**Unit Date** 1790, 1842, 1897, 1910-2000 (Includes facsimiles)

**Mixed Materials** 208 (Box)

### **Scope and Contents**

Kemp maintained research files about bridges and assisted in planning the historical marker about the Brownsville Cast Iron Arch Bridge (also called the Dunlap's Creek Bridge) in Brownsville, Pennsylvania. The box includes correspondence, photographic prints, photographic slides, scholarly journal articles,

reports, student papers, event programs and newsletters. The box also includes the following facsimiles: correspondence, reports, photographs, journal articles, book excerpts, clippings and engineering drawings. Subjects include the Brownsville Cast Iron Arch Bridge, bridges of Europe and North America, engineering, railroad bridges, the history of bridge architecture in the United States and bridge construction. The following oversized items were moved to Map Cabinet 12, Drawer 11, Folder 4: one map (1987), ten sheets of clippings (1883-1885 and undated), and three engineering drawings (1987 and undated).

### **Prints, Lithographs, and Other Visual Depictions of Bridges and Other Structures, circa 1830-1990**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97991

**Unit Date** 1790-1884, bulk 1840-1874, 1965, and undated

**Mixed Materials** 155 (Box)

#### **Scope and Contents**

Kemp collected drawings and card-mounted photographs as pictorial reference for research. Subjects include structures from Europe and the United States, including bridges, railroad bridges, canals, cathedrals, lighthouses, mills, rivers, and turpentine distillery. The Antietam mills, B&O Railroad, Erie Canal, Menai Strait, Schuylkill River, Susquehanna River, the city of Conway, Wales and the city of Wheeling, West Virginia each appear in multiple drawings.

### **Prints, Lithographs, and Other Visual Depictions of Bridges and Other Structures (Oversize), circa 1830-1990**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97992

**Unit Date** 1799, 1838-1881 and undated

**Mixed Materials** 156 (Box)

#### **Scope and Contents**

Kemp collected drawings as pictorial reference for research. Subjects include structures from Europe and the United States, including bridges, railroad bridges, villages, coal towns and piers. The Conway Tubular Bridge in Conway, Wales and the city of Richmond, Virginia both appear in multiple drawings.

### **Bridge Illustrations**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97993

**Unit Date** 1817-1893, 1961-1993, and undated (Includes facsimiles)

**Mixed Materials** 157 (Box)

#### **Scope and Contents**

Kemp researched bridges across the United States as part of his restoration efforts and publications. The box includes facsimiles of the following: photographic prints, drawings, patent applications, and book excerpts. Also includes original photographs, slides, clippings and correspondence. Subjects include general bridges; covered bridges; mills; the patenting process for bridge technologies during the 1800s; Rideu Canal in Ottawa, Canada; St. Antonius de Padua Mission in Sacramento, California; Bridgeport Covered Bridge in Bridgeport, California; and buildings in Nevada City, California. The following oversized items were moved to Box 342: one clipping (1983), two engineering drawings (undated), and two sheets of facsimile book excerpts (undated).

### **Bridge Photographs**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97994

**Unit Date** 1888, 1952-2001, bulk 1993-1998 (Includes facsimiles)

**Unit Date** Bulk, 1993-1998

**Mixed Materials** 164 (Box)

#### **Scope and Contents**

Kemp assisted in the transfer of an unnamed bridge in 1997, as well as preserving several other historic bridges. This box includes photographs, slides and photo negatives, as well as correspondence

and facsimile drawings. Subjects include bridges over the Muskingum River, West Virginia bridges, and West Virginia covered bridges.

## **Series 1. Research Files -- Waterways**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97885

**Unit Date** 1804-2015 and undated

### **Scope and Contents**

This sub-series includes the materials Kemp collected and produced while researching, documenting, and preserving waterways. He studied the effect of structures such as canals, lock systems, and dams on flood control and commercial navigation. The series includes his research and drafts from two major book projects: The Great Kanawha Navigation and Taming the Muskingum .

Formats include HAER reports, monograph drafts, compact discs, floppy disks, correspondence, maps, engineering drawings, drawings, handwritten notes, photographic prints, charts, contracts, pamphlets, oral history transcripts, book excerpts, scholarly journal articles, library catalog records, and bound copies of the United States Congressional Series. Facsimile materials include correspondence, contracts, clippings, engineering drawings, and book excerpts.

Subjects include the Louisville and Portland Canal at Louisville, Jefferson County, Kentucky; the Alexandria Canal in Alexandria, Virginia; the North Fork Hughes River in Ritchie County, West Virginia; the Gallipolis Locks and Dam in the Ohio River in Gallipolis, Mason County, West Virginia; the London Locks and Dam on the Kanawha River in London, Kanawha County, West Virginia; the Marmet Locks and Dam on the Kanawha River in Marmet, Kanawha County, West Virginia; the Winfield Locks and Dam on the Kanawha River in Winfield, Putnam County, West Virginia; the Little Kanawha River which stretches across several West Virginia counties; navigation along the Muskingum River, which stretches across several Ohio counties; the Bonnet Carré Spillway in St. Charles Parish, Louisiana; the Tennessee-Tombigbee Waterway which stretches across Tennessee, Mississippi, and Alabama; the USACE; public works projects; locks and dams; multipurpose dams; the Rivers and Harbors Act; other canals of West Virginia and Virginia; and river navigation.

Research and drafts of essays on waterways may also appear in the following series: "Kemp's Library," "Kemp's Professional Writings," "Kemp's Other Professional Activities," and "Oversize Materials." Research on waterways may also appear in the following sub-series within the series "Research Files": "Industrial structures" and "Engineers, the history of engineering, and general historical topics."

### **Alexandria Canal**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97995

**Unit Date** 1873, 1984-1990 (Includes facsimiles)

**Mixed Materials** 115 (Box)

### **Scope and Contents**

The box includes corrected copies of the Kemp's book, The Alexandria Canal: Its History and Preservation. It also includes correspondence, restoration coordination plans, expense sheets, engineering drawings, a map of the Transpotomac Canal Center, a presentation script, hand notes, brochures, bulletins, newsletters, and photographic prints of the Alexandria Canal. The box includes a facsimile report on the Alexandria Canal Aqueduct and natural cement illustrations. Finally, it includes book reviews and correspondence regarding natural cement mills. The following items were moved to Map Cabinet 12, Drawer 4, Folder 8: 17 engineering drawings (1980-1986), 14 facsimile engineering drawings (1837), 3 clippings (1985).

### **Alexandria Canal**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97996

**Unit Date** 1804-1873, 1930-1932, 1966, 1974-1990 (Includes facsimiles)

**Mixed Materials** 116 (Box)

### **Scope and Contents**

Kemp was a consulting engineer and industrial archaeologist for the restoration of the tide lock and basin to help with a revitalization project for Alexandria, Virginia. The box includes the Preliminary Archaeological Survey Report, field notes, pamphlets, photos, correspondence, clippings, and a

consulting agreement. Additionally, it includes pamphlets on the history of the City of Alexandria. The box includes facsimile correspondence with the United States Department of Commerce regarding the Geodetic Survey maps and charts, facsimile newspapers, reports and reference lists regarding those facsimiles. Finally, the box includes original slides that show engineering drawings of the canal. The following oversize materials were moved to Map Cabinet 12, Drawer 4, Folder 8: 18 sheets of facsimile and original newspapers (1831-1845, 1976-1985, and undated), 10 maps (1838, 1877-1884, 1949-1973 and undated), 1 illustration (undated).

### **Alexandria Canal Monograph**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97997

**Unit Date** 1985-1993 (Includes facsimiles)

**Mixed Materials** 117 (Box)

#### **Scope and Contents**

Kemp and Thomas Hahn, Kemp's student, wrote the book Alexandria Canal: Its History and Preservation. The box includes drafts, original photos, and correspondence regarding the publication of the book. The following items have been separated to Map Cabinet 12, Drawer 4, Folder 8: 2 sheets of engineer drawings (1843-1845, 1982), 4 maps (1855, 1973-1975, undated).

### **Alexandria Canal Restoration Photos**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97998

**Unit Date** 1877-1916, 1940, 1985-1986 (Includes facsimiles)

**Mixed Materials** 118 (Box)

#### **Scope and Contents**

Kemp and Thomas Hahn, Kemp's student, wrote the book Alexandria Canal: Its History and Preservation. The box contains Alexandria Canal restoration photographs and illustrations for the book. The following oversize materials were moved to Map Cabinet 12, Drawer 4, Folder 8: Two maps (1855 and undated).

### **C&O and Alexandria Canals**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97999

**Unit Date** 1951-2007, bulk 1991-1998

**Unit Date** Bulk, 1991-1998

**Mixed Materials** 119 (Box)

#### **Scope and Contents**

Kemp and Thomas Hahn, Kemp's student, wrote the book Alexandria Canal: Its History and Preservation. The box includes correspondence, facsimile book excerpts, books, handwritten notes, reference lists, financial statements, minutes, etc. Subjects include C&O Canal, canal terms, historic canals, locks, geology and the Vandalia Heritage Foundation. Highlights include a final copy of the book. The following oversize material was moved to Box 342: one engineering drawing (1978).

### **C&O and Alexandria Canals**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98000

**Unit Date** 1870-1997 (Includes facsimiles)

**Mixed Materials** 112 (Box)

#### **Scope and Contents**

Kemp's student, Thomas Hahn, conducted research on lock and dam technology and the C&O Canal. This box includes correspondence, photographs, drawings, memorandum, pamphlets, reports, etc. Subjects include C&O lock houses, the C&O canal, the Alexandria Canal, the Welland Canal, the Potomac Aqueduct, Lock #24, iron industry in Maryland, etc. Highlights include an HAER report on the Conococheague Creek Aqueduct and an archaeological report on the Susquehanna & Tidewater Canal. The following oversize material was moved to Map Cabinet 12, Drawer 4 with Box 113: two sheets of handwritten notes (undated).

## **Delaware and Raritan Canal**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98001

**Unit Date** 1940-1991 (Includes facsimiles)

**Mixed Materials** 114 (Box)

### **Scope and Contents**

Kemp consulted on the restoration of locks that were part of the Delaware and Raritan Canal. Includes engineering drawings, reports, correspondence, facsimile book excerpts, etc. Subjects include the Delaware and Raritan Canal; double outlet locks; New Brunswick, New Jersey; historic canal structures; canal restoration; etc. Correspondents include Emory Kemp, A.G. Lichtenstein & Associates, Olivia Costa, Abba Lichtenstein, and James Neilson, Lauralee Rappleye-Marsett, et al. Highlights include environmental analysis reports and archaeological assessments. The following oversize material was moved to Map Cabinet 12, Drawer 4, Folder 7: 55 engineering drawings (1980-1991).

## **Louisville and Portland Canal and C&O Canal**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98002

**Unit Date** 1834-1872, 1975-1980

**Mixed Materials** 111 (Box)

### **Scope and Contents**

Kemp's student Thomas Hahn published on the C&O Canal. Includes books and bound copies of the United States Congressional Series Set. Subjects include people involved in the C&O Canal, commerce on waterways, Monongahela River improvements, the Louisville and Portland Canal, the B&O Railroad, etc.

## **Louisville and Portland Canal**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98003

**Unit Date** 1831-1992 (includes facsimiles)

**Mixed Materials** 110 (Box)

### **Scope and Contents**

Kemp researched the Strauss lift bridge (known as 18th Street Lift Bridge) on the Louisville and Portland Canal in Louisville, Jefferson County, Kentucky in 1992. The box includes the original bibliographies and facsimile documents such as bound copies of the United States Congressional Series Set, scrapbooks, book excerpts, articles, maps, engineering drawings, etc. Subjects include Louisville, the Louisville and Portland Canal, the Ohio River, the Ohio River Valley, the Louisville Cement Company and construction on the Louisville and Portland Canal. Highlights include facsimile reports from the USACE. The following oversize materials were moved to Map Cabinet 12, Drawer 4, Drawer 5: Two sheets of engineering drawings (1856), ten maps (1839-1886 and undated).

## **Susquehanna and Tidewater Canal**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98004

**Unit Date** 1977-1988

**Mixed Materials** 113 (Box)

### **Scope and Contents**

Kemp consulted on a proposal to preserve the Susquehanna and Tidewater Canal in preparation for the Maryland Department of Natural Resources' plan to rear shad in the defunct canal. Includes originals of the following: photographs, correspondence, engineering drawings, maps, handwritten notes, reports, project proposals and speeches. Also includes facsimile photographs and engineering drawings. Subjects include the Susquehanna and Tidewater Canal, archaeological excavations, shad ponds, the Havre de Grace shad and canal project, etc. Organizations include the Susquehanna Museum. Highlights include photographs of the restoration of gates at the Susquehanna and Tidewater Canal. The following oversize material was moved to Map Cabinet 12, Drawer 4, Folder 6: One map (1987).

## **Canal Commissioners**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98005

**Unit Date** 1833-1853, 1916-1918, 1947 (Contains facsimiles)

**Mixed Materials** 104 (Box)

### **Scope and Contents**

Kemp researched Ohio canal commissioners for his publications and restoration projects. Contains facsimile index sheets, maps, government reports and court hearings. Subjects include canals, Ohio canals, Ohio public works, the Miami Conservancy District, etc. Organizations include the Board of Canal Commissioners for the Ohio Canal and the Board of Public Works of Ohio.

## **Canals**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98006

**Unit Date** 1836-1859, 1890, 1935, 1963-2001 (Includes facsimiles)

**Mixed Materials** 105 (Box)

### **Scope and Contents**

Kemp conducted research on canals. The box includes facsimile maps, magazines, pamphlets, and a letter to Kemp from the American Canal Society and additional correspondence. It includes an Outlet Locks Restoration Study and Site Analysis and Mitigation Plan for the Delaware & Raritan (D&R) Canal. The box also includes USACE Cultural Resource Survey on Lockhaven and Lockport, the International Canal Monuments List, clippings, book on Thames & Severn Canal, etc. The following items have been moved to Map Cabinet 12, Drawer 4, Folder 3: eight engineering drawings (1980-1990, undated) and one clipping (1979).

## **Canals**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/201030

**Unit Date** 1830, 1886, 1963-1998 (Includes facsimiles)

**Mixed Materials** 106 (Box)

### **Scope and Contents**

Kemp conducted research on canals. The box includes pamphlets, a postcard, a ticket, lecture notices, and bound copies of the United States Congressional Series Set. Subjects include canals, boats, dams, rivers, lock tender houses, Ohio, Pennsylvania, Canada and West Virginia. The following oversized items have been moved to Map Cabinet 12, Drawer 4, Folder 3: Fifty-four pamphlets (1971-1999 and undated), one map (undated), three newspapers (1975-1982).

## **Miscellaneous Canal Materials**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98007

**Unit Date** 1807, 1858, 1963-2002 (Includes facsimiles)

**Mixed Materials** 109 (Box)

### **Scope and Contents**

Kemp researched canals. The box includes pamphlets, memorandums, facsimile articles, magazine excerpts, HAER report, correspondence, diagrams, photos, and a book. Subjects include canals in New York, Pennsylvania, and Atlantic Sea Coast. Subjects also include the C&O Canal's Conococheague Creek Aqueduct in Williamsport, Washington County, Maryland; the Schuylkill Navigation Company Lock #39; New York locks; pioneer boats; and transportation on the Upper James River. The following oversized materials were moved to Map Cabinet 12, Drawer 4, Folder 4: four pamphlets (1983 and undated), five maps (1978-1998 and undated), eight sheets of clippings (undated).

## **Harvey and Inner Harbor Navigation Canal Locks**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98008

**Unit Date** 1880-1921, 1987-1994, bulk 1994 (Includes facsimile)

**Unit Date** Bulk, 1994

**Mixed Materials** 29 (Box)

### **Scope and Contents**

Kemp consulted on the restoration of the Harvey and Inner Harbor Navigation Canal locks. This box includes his research, including photographic prints, reports, correspondence and facsimiles patents. Subjects include the Harvey Lock and Inner Harbor Navigation Canal Lock in New Orleans, the USACE' reports on Harvey Lock and other waterways in Louisiana, Goodwin and Associates and Edward Schildhauer. Highlights include the Harvey Lock and Inner Harbor Navigation Canal Lock NRHP nomination, evaluations by the USACE, and photographs of Harvey Lock. The following items were moved to Box 342: fourteen pages of facsimile engineering drawings of the Louisiana-Texas Intracoastal Waterway (1932). This box was formerly called "Industrial Archaeology Books Box 1 of 2."

## **Harvey and Inner Harbor Navigation Canal Locks**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/201021

**Unit Date** 1977-1993 and undated

**Mixed Materials** 30 (Box)

### **Scope and Contents**

Kemp consulted on the restoration of the Harvey and Inner Harbor Navigation Canal locks. This box includes his research, including report drafts, books and facsimile photos. Subjects include the Harvey Lock, the Gulf Coast intracoastal waterways, the Lower Mississippi waterways and waterways in New Orleans specifically. This box was formerly called "Industrial Archaeology Books Box 2 of 2."

## **Locks and Dams**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98009

**Unit Date** 1986-1995 (Includes facsimiles)

**Mixed Materials** 31 (Box)

### **Scope and Contents**

The USACE appointed Kemp to document locks and dams along the Kanawha River and nominate them for the NRHP. This box includes background research materials, including reports, manuals, pamphlets, and memorandums. Subjects include Winfield, Gallipolis, London, and Marmet Lock and Dams; Navigation in the Huntington District; and water resource development.

## **Gallipolis Locks and Dam**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98010

**Unit Date** 1975-1995

**Mixed Materials** 32 (Box)

### **Scope and Contents**

The USACE appointed Kemp to document the Gallipolis Locks and Dam for the NRHP. This box contains his research, including photographic prints, photo indices, diagrams, facsimile topographic maps, and a photogrammetric record report. Subjects include Winfield, London, Marmet, and Gallipolis Locks and Dams, and Wheeling Custom House (also known as West Virginia Independence Hall). The following items were moved to Map Cabinet 12, Drawer 1, Folder 4: twenty-three sheets of engineering drawings (undated).

## **Gallipolis Locks and Dam**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98011

**Unit Date** 1832-1994 (Includes facsimiles)

**Mixed Materials** 33 (Box)

### **Scope and Contents**

The USACE appointed Kemp to document the Gallipolis Locks and Dam for the NRHP. This box contains his research, including facsimile and original photographs, draft and final reports, indexes to photographs and correspondence. Subjects include the Gallipolis Locks and Dam, bridges and the Kanawha River. Highlights include the HAER report about the Gallipolis Locks and Dam operation building. The following items were moved to Map Cabinet 12, Drawer 1, Folder 5: four facsimile engineering drawings of sections of the Gallipolis Locks and Dam (1881 and undated), a brochure of the Gallipolis Locks and Dam (undated) and one chart (undated).

## **Kanawha Navigation Miscellaneous**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98012

**Unit Date** 1904-1968, 1991-1996 (Includes facsimiles)

**Mixed Materials** 34 (Box)

### **Scope and Contents**

The USACE appointed Kemp to document locks and dams along the Kanawha River and nominate them for the NRHP. Kemp's research culminated in the book, *The Great Kanawha Navigation*. This box includes materials from his research, including facsimile articles and book excerpts, reports, maps, engineering drawings, photos, fact sheets/safety briefings, etc. Subjects include Gallipolis, London, Winfield, and Marmet locks and dams; Electrical equipment along the Kanawha; Huntington District Cultural Resources; Tainter Gate construction; Federal Power Commission Licenses, etc. Highlights include a NRHP nomination for Gallipolis Locks and Dam. The following items were moved to Box 342: nine facsimile maps of River and Harbor Works of Huntington, WV District (undated); two charts of Waterborne Commerce of the United States (1975) , six facsimile engineering drawings of Lock and Dams near Brownstown (undated).

## **Kanawha Navigation Miscellaneous**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98013

**Unit Date** 1873-1995 (Includes facsimiles)

**Mixed Materials** 35 (Box)

### **Scope and Contents**

The USACE appointed Kemp to document locks and dams along the Kanawha River and nominate them for the NRHP. Kemp's research culminated in the book, *The Great Kanawha Navigation*. This box contains materials from his research, including facsimile articles, reports, photos, drawings, correspondence, a student thesis, etc. Subjects include movable dams, locks and dams of Pennsylvania and West Virginia, Addison M. Scott, the Kanawha River, Kanawha regional history, Captain F.W. Altstaetter, etc. Highlights include data about coal and coke shipments and NRHP nomination forms for the London Locks and Dam and Gallipolis Locks and Dam. The following items were moved to Map Cabinet 12, Drawer 1, Folder 6: twelve engineering drawings (1909, 1932, undated), and two facsimile photographic prints (undated).

## **The Great Kanawha Navigation: A/B, 1924-1929**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98014

**Unit Date** 1891, 1900-1998, bulk 1927-1929 (Includes facsimiles)

**Unit Date** Bulk, 1927-1929

**Mixed Materials** 36 (Box)

### **Scope and Contents**

The USACE appointed Kemp to document locks and dams along the Kanawha River and nominate them for the NRHP. Kemp's research culminated in the book, *The Great Kanawha Navigation*. This box contains materials from his research, including correspondence between Kemp, Robert Maslowski of

the Huntington District Corps of Engineers and publishers about movable dams, The Great Kanawha Navigation, and Ohio River Locks and Dams. Also includes a sponsored program application to WVU, a cultural resource analysis, an NRHP evaluation of the Kanawha River navigation system, maps, schematics, and pamphlets. Includes facsimile reference material for Kemp's book, The Great Kanawha Navigation including correspondence with Major Layman, the Chief of Engineers, E.D. Ardesty, et. Al. Also includes the preliminary examination, investigation, survey, and economic study of the Kanawha by the War Department: Chief of Engineers; clippings from the Charleston Daily Mail; right of way deed; and bound copies of the United States Congressional Series Set.

### **The Great Kanawha Navigation: B/C, 1932-1940**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98015

**Unit Date** 1898, 1905-1940, bulk 1932-1940 (Includes facsimiles)

**Unit Date** Bulk, 1932-1940

**Mixed Materials** 37 (Box)

#### **Scope and Contents**

The USACE appointed Kemp to document locks and dams along the Kanawha River and nominate them for the NRHP. Kemp's research culminated in the book, The Great Kanawha Navigation. This box contains materials from his research, including a manuscript by J. L. Perry, History of the Bluestone Dam and other facsimile correspondence with Franklin Roosevelt, the Secretary of War, Major Fred Herman, the Chief of Engineers, J. Thomas Ward, et al. Includes additional facsimile reference material regarding to the Bluestone Reservoir, public hearings, a bid invitation, the federal work relief program, newspaper articles from the Huntington-Herald, and an offer to sell land to the United States. Includes additional facsimile reports on civil engineering, public works, dams, wickets, locks, and wicket repair. These references were used in the writing of The Great Kanawha Navigation. The following items have been moved to Box 342: one facsimile of the Charleston Gazette (1927), six sheets facsimile engineering drawings (undated), one facsimile chart (undated), and eight sheets of facsimile photographs (undated).

### **The Great Kanawha Navigation: D**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98016

**Unit Date** 1883-1892, 1932-1937, 1969-1990 (includes facsimiles)

**Mixed Materials** 38 (Box)

#### **Scope and Contents**

The USACE appointed Kemp to document locks and dams along the Kanawha River and nominate them for the NRHP. Kemp's research culminated in the book, The Great Kanawha Navigation. This box contains materials from his research, including Army Corps of Engineers reports on the Gallipolis and the Marmet Locks and Dams, the Ohio River Navigation System, and Water Resource Development in West Virginia. It also includes photos of the Gallipolis and the Marmet Locks and Dams and facsimile references on specifications of locks and dams along the Kanawha. References were used in the writing of The Great Kanawha Navigation.

### **The Great Kanawha Navigation: E**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98017

**Unit Date** 1931-1939, 1991 (Includes facsimiles)

**Mixed Materials** 39 (Box)

#### **Scope and Contents**

The USACE appointed Kemp to document locks and dams along the Kanawha River and nominate them for the NRHP. Kemp's research culminated in the book, The Great Kanawha Navigation. This box contains materials from his research, including facsimile correspondence, newspapers, book, bid proposals, and cost sheets that served as reference material for The Great Kanawha Navigation. Correspondence includes that with Major Conklin, Captain Hunt, the Chief of Engineers, Major Herman, and others. Some subjects include geology and hydrology of Teays Mahomet Valley, C.C.C. regulations, West Virginia public roads, and the National Reemployment Administration. References were used in the writing of The Great Kanawha Navigation. The following oversize materials were moved to Map Cabinet 12, Drawer 1, Folder 7: Seven sheets of facsimile clippings (1934-1939).

### **The Great Kanawha Navigation: F**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98018

**Unit Date** 1970-1987

**Mixed Materials** 40 (Box)

#### **Scope and Contents**

The USACE appointed Kemp to document locks and dams along the Kanawha River and nominate them for the NRHP. Kemp's research culminated in the book, *The Great Kanawha Navigation*. This box contains materials from his research, including Army Corps of Engineers reports, studies, and design memos. Subjects include Winfield and Marmet Locks and Dams, Marmet and London Pools, and the Kanawha River. These materials were used in the writing of *The Great Kanawha Navigation*. The following items have been moved Box 342: eleven sheets of facsimile Winfield Lock and Dam Replacement engineering drawings.

### **The Great Kanawha Navigation: G**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98019

**Unit Date** ca. 1999-2000

**Mixed Materials** 41 (Box)

#### **Scope and Contents**

The USACE appointed Kemp to document locks and dams along the Kanawha River and nominate them for the NRHP. Kemp's research culminated in the book, *The Great Kanawha Navigation*. This box contains materials from his research, including *The Great Kanawha Navigation* book copies, caption notes, and the illustrations for Chapters 3, 4, and 5.

### **The Great Kanawha Navigation: H**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98020

**Unit Date** 1876-1881, 1898, 1932-1940, 1985-ca. 2000 (Includes facsimiles)

**Mixed Materials** 42 (Box)

#### **Scope and Contents**

The USACE appointed Kemp to document locks and dams along the Kanawha River and nominate them for the NRHP. Kemp's research culminated in the book, *The Great Kanawha Navigation*. This box contains materials from his research, including facsimile drawings, illustrations, reports, license applications, correspondence, photos, negatives, a manuscript, a floppy disk, clippings, and captions list and revision notes for the text *The Great Kanawha Navigation*. Subjects include William P. Craighill, Chief of Engineers, French movable dams on the Kanawha River, the Kanawha River in general, Gallipolis Locks and Dam, the Winfield hydroelectric power plant, etc. Highlights include NRHP nomination form for Gallipolis Locks and Dam. The following items were moved to Map Cabinet 12, Drawer 1, Folder 8: two facsimile drawings (undated), one Racine Locks and Dam pamphlet (undated), eleven sheets of the *Virginia Magazine* (1881), and one engineering drawing (1938).

### **The Great Kanawha Navigation: I and J**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98021

**Unit Date** 1820-1837; 1868-1901; 1923-1988 and undated (Includes facsimiles)

**Mixed Materials** 43 (Box)

#### **Scope and Contents**

The USACE appointed Kemp to document locks and dams along the Kanawha River and nominate them for the NRHP. Kemp's research culminated in the book, *The Great Kanawha Navigation*. This box contains materials from his research, including facsimile correspondence, articles, illustrations, drawings, maps, clippings, statistical and expense reports, magazines, photos, negatives, and newsletters. Subjects include the Ohio, James, and Kanawha Rivers; rolling gates; general West Virginia history; the unionization of the Kanawha field; and Kanawha River traffic. The following items were moved to Map Cabinet 12, Drawer 1, Folder 9: three facsimile engineering drawings Gallipolis Locks and Dam and Kanawha River Lock (1932 and undated), six facsimile charts (1931-1935), fourteen Army Corps of Engineers Pamphlets on regional water bodies (1994-1998), one facsimile newspaper:

Charleston Gazette - New Dams (1934), and ten pages of facsimile Hardesty's encyclopedia entries (1889).

### **The Great Kanawha Navigation: K**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98022

**Unit Date** 1840-1898 and 1917 (Includes facsimiles)

**Mixed Materials** 44 (Box)

#### **Scope and Contents**

The USACE appointed Kemp to document locks and dams along the Kanawha River and nominate them for the NRHP. Kemp's research culminated in the book, *The Great Kanawha Navigation*. This box contains materials from his research, including facsimile specification reports, appeals, and correspondence, especially between William P. Craighill and Addison Scott, journal articles, and more. Subjects include the central water line of Virginia, improvements and dams of the Ohio River, Kanawha locks and dams, Kanawha River discharge data, iron gates at Lock No. 5, and Portland cement, etc. Finally, includes an 1877 proposal by William P. Craighill titled *Kanawha River Improvement: Proposals for the Iron Work of a Movable Dam on the Great Kanawha River*. Includes facsimile specification reports, appeals, correspondence, especially between William P. Craighill and Addison Scott, journal articles, and more. Subjects include the central water line of Virginia, improvements and dams of the Ohio River, Kanawha locks and dams, Kanawha River discharge data, iron gates at Lock No. 5, and Portland cement, etc. Finally, includes an 1877 proposal by William P. Craighill titled *Kanawha River Improvement: Proposals for the Iron Work of a Movable Dam on the Great Kanawha River*.

### **The Great Kanawha Navigation: L and M**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98023

**Unit Date** 1913-1937 (Includes facsimiles)

**Mixed Materials** 45 (Box)

#### **Scope and Contents**

The USACE appointed Kemp to document locks and dams along the Kanawha River and nominate them for the NRHP. Kemp's research culminated in the book, *The Great Kanawha Navigation*. This box contains materials from his research, including facsimile bid documents, contracts, funds, appropriations, correspondence, articles, clippings, maps, reports, contracts, and proposals. Subjects include flood control work, roller gate dams, and steel. Highlights include correspondence about work accidents, violating the 8-hour law, protest at the General Contracting Corporation. Correspondents primarily Brig. General Pillsbury, Major Fred Herman, Ernest M. Merrill and Major General Lytle Brown.

### **The Great Kanawha Navigation: M**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98024

**Unit Date** 1931-1945 (Includes facsimiles)

**Mixed Materials** 46 (Box)

#### **Scope and Contents**

The USACE appointed Kemp to document locks and dams along the Kanawha River and nominate them for the NRHP. Kemp's research culminated in the book, *The Great Kanawha Navigation*. This box contains materials from his research, including facsimile correspondence, reports, cost estimates, and clippings. Subjects include Dravo Corp reorganization, surveys of the Kanawha River, the General Contracting Company. Correspondents include Lytle Brown, Major Herman, Louis Johnson, and others. Highlights include boat accidents, protest concerning wage rates, and lists of labor requirements.

### **The Great Kanawha Navigation: N**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98025

**Unit Date** 1900-1945 (Includes facsimiles)

**Mixed Materials** 47 (Box)

#### **Scope and Contents**

The USACE appointed Kemp to document locks and dams along the Kanawha River and nominate them

The USACE appointed Kemp to document locks and dams along the Kanawha River and nominate them for the NRHP. Kemp's research culminated in the book, *The Great Kanawha Navigation*. This box contains materials from his research, including facsimile bid documents, clippings, cost sheets, reports, correspondence, etc. Subjects include dam building along the Kanawha River, Dravo Corporation, model testing, water supply operations, and Winfield twin locks. Highlights include correspondence about concrete damage and sunken barges. Correspondents include Lytle Brown, Fred Herman et al.

### **The Great Kanawha Navigation: O**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98026

**Unit Date** 1865-1877; 1904-1910; 1985-1995 and undated (Includes facsimiles)

**Mixed Materials** 48 (Box)

#### **Scope and Contents**

The USACE appointed Kemp to document locks and dams along the Kanawha River and nominate them for the NRHP. Kemp's research culminated in the book, *The Great Kanawha Navigation*. This box contains materials from his research, including facsimile articles, correspondence, scholarly papers, manuals, reports, fact sheets and books. Subjects include the history of the Corps of Topographical Engineers, Inland Waterways of France, irrigation, "Indian" (Native American) engineering, movable dams, the history of technology and culture, Winfield locks and dams, St. Andrews Rapid Dams, Mississippi River reservoirs, and *The Great Kanawha Navigation*. Highlights include a HAER report on the Mississippi River Headwaters Reservoirs. The following items were moved to Map Cabinet 12, Drawer 1, Folder 10: one map of the Inland Waterways of France (1961), one engineering drawing of Monongahela River Dam (undated), six facsimile Irrigation Conference papers, Volume III (1904).

### **The Great Kanawha Navigation: P**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98027

**Unit Date** 1831-1889; 1909-1998 (includes facsimiles)

**Mixed Materials** 49 (Box)

#### **Scope and Contents**

The USACE appointed Kemp to document locks and dams along the Kanawha River and nominate them for the NRHP. Kemp's research culminated in the book, *The Great Kanawha Navigation*. This box contains materials from his research, including correspondence, facsimile articles, book chapters, and meeting minutes. Subjects include French canals and technology, Indian (Native American) weirs, William Craighill, Josiah White and his bear trap locks, movable dams, *The Great Kanawha Navigation* etc. Highlights include French postcards. The following items have been moved to Box 342: three facsimile engineering drawings (1879-1886, 1955), and one facsimile map (1896-1897).

### **The Great Kanawha Navigation: Q**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98028

**Unit Date** 1884-1937; 1910-1998; undated (Includes facsimiles)

**Mixed Materials** 50 (Box)

#### **Scope and Contents**

The USACE appointed Kemp to document locks and dams along the Kanawha River and nominate them for the NRHP. Kemp's research culminated in the book, *The Great Kanawha Navigation*. This box contains materials from his research, including facsimile illustrations, maps, engineering drawings, photos, negatives, and proposals. Subjects include French barrages, weirs, the Ohio River, Gallipolis locks powerhouse. Highlights include laboratory tests on the hydraulics of Marmet locks and dams.

### **The Great Kanawha Navigation: S**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98029

**Unit Date** 1933-1953, 1995-2000 (Includes facsimiles)

**Mixed Materials** 51 (Box)

#### **Scope and Contents**

The USACE appointed Kemp to document locks and dams along the Kanawha River and nominate them

The USACE appointed Kemp to document locks and dams along the Kanawha River and nominate them for the NRHP. Kemp's research culminated in the book, *The Great Kanawha Navigation*. This box contains materials from his research, including photographic prints, correspondence, facsimile photos, and illustrations. Subjects include the publication of *The Great Kanawha Navigation* by the University of Pittsburgh Press, the Marmet, London, and Winfield Locks and Dams and other rolling dams, workers, the Philippi Bridge and the Wheeling Suspension Bridge. The following items have been moved to Map Cabinet 12, Drawer 2, Folder 1: seven facsimile engineering drawings of Marmet and Gallipolis (1931-1936), and one map (undated).

### **The Great Kanawha Navigation: T**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98030

**Unit Date** 1880-1904, 1932-1997, bulk 1932-1935 (Includes facsimiles)

**Unit Date** Bulk, 1932-1935

**Mixed Materials** 52 (Box)

#### **Scope and Contents**

The USACE appointed Kemp to document locks and dams along the Kanawha River and nominate them for the NRHP. Kemp's research culminated in the book, *The Great Kanawha Navigation*. This box contains materials from his research, including facsimile photos, facsimile engineering drawings, reports, facsimile book excerpts, facsimile clippings, facsimile correspondence, and work claims reports. Subjects include the St. Andrew's Bridge-Dam, locks and dams on the Kanawha River, the Gallipolis Locks and Dam, electrical power development, the Kanawha Valley Power Company, hydropower development, rolling dams, the James River, etc. Highlights include discussions of Federal Power Commission regulations. The following items have been moved to Box 342: Thirty-five sheets of facsimile engineering drawings of Kanawha River locks, dams, and power houses (1932-1933), and one engineering drawing (undated).

### **Little Kanawha (River)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98031

**Unit Date** 1866-1989 (Includes facsimiles)

**Mixed Materials** 53 (Box)

#### **Scope and Contents**

Kemp wrote the article "The Little Kanawha Navigation" for the journal *Canal History and Technology Proceedings*. This box contains his research materials, including photos, drawings, and illustrations from the Cam DePue Collection. Includes slides, negatives, facsimile shipping cost sheets, a book, facsimile maps, correspondence, and bound copies of the United States Congressional Series Set. Subjects include boats and locks on the Little Kanawha River, the United States Geological Survey, water supply of the Ohio River Basin, and reservoirs. Highlights include early twentieth century postcards of the Little Kanawha River, pamphlets on poplar lumber inspection, early twentieth century payroll checks and invoices from work on railroads. The following oversize items were moved to Box 342: three maps (1930), six engineering drawings (1930).

### **Little Kanawha River**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98032

**Unit Date** 1910, 1973-1989

**Mixed Materials** 54 (Box)

#### **Scope and Contents**

Kemp wrote the article "The Little Kanawha Navigation" for the journal *Canal History and Technology Proceedings*. This box contains his research materials, including facsimile and original photo prints, negatives, a VHS, facsimile maps, correspondence, and a postcard. Subjects include the S&D Reflector magazine, Wood County, and Little Kanawha River railroad.

## **Little Kanawha (River) Navigation**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98033

**Unit Date** 1864, 1927-1942, 2004, and undated (Includes facsimiles)

**Mixed Materials** 55 (Box)

### **Scope and Contents**

Kemp wrote the article "The Little Kanawha Navigation" for the journal Canal History and Technology Proceedings. This box includes facsimile reports, Senate Resolutions, correspondence, data sheets, cost estimates, photos, and a handwritten note. Subjects include the Little Kanawha, the geology of the west fork of the Little Kanawha, power development, reservoirs, flood protection, oil, coal, salt, iron, etc.

## **Little Kanawha Navigation (1/2)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98034

**Unit Date** 1838-2003 (includes facsimiles)

**Mixed Materials** 56 (Box)

### **Scope and Contents**

Kemp wrote the article "The Little Kanawha Navigation" for the journal Canal History and Technology Proceedings. This box contains research materials, including facsimile reports, correspondence, articles, book excerpts, magazines, clippings, bibliographies, photos, handwritten notes, oral history transcriptions, cost sheets, etc. Subjects include the Little Kanawha Navigation, river traffic, boats, shipping, Gilmer County history, Burning Springs, Burnsville Dam, inland waterways, locks, covered bridges, the West Virginia General Assembly, etc. Highlights include 1907 freight ticket and steam vessel inspection application, a 1908 correspondence regarding the steamboat inspection service, and Larry Sypolt's list of Little Kanawha boats. The following items were moved to Map Cabinet 12, Drawer 2, Folder 2-3: thirty-seven facsimile clippings (1860-1930, 1987), nine pages of facsimile steamboat shipping bills (1874-1899, two facsimiles of Hardesty's Encyclopedia entries for Kanawha, Calhoun, and Wirt Counties (1889), four facsimile maps (1937, 2003, undated), facsimile data sheets and inspection certificates (1876), and one brochure (1975).

## **Little Kanawha Navigation (2/2)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98035

**Unit Date** 1839-2006, bulk 1840-1899 and 1986-1994 (includes facsimiles)

**Unit Date** Bulk, 1986-1994

**Mixed Materials** 57 (Box)

### **Scope and Contents**

Kemp wrote the article "The Little Kanawha Navigation" for the journal Canal History and Technology Proceedings. This box contains research materials, including mostly facsimile clippings, reports, handwritten correspondence, allotments, operational expenses, river traffic data, pamphlets, itineraries, magazines, grant applications, research notes, photographs, government documents etc. Subjects include USACE, Work Project Administration, Colonel Thomas Tavenner, Johnson Newlon Camden, Sam Hays, Little Kanawha Navigation, locks, the history of the Huntington District, Burnsville folk studies, Wirt County, steamboats, oil springs, the Flood Control Act of 1936. Highlights include West Virginia Division of Highways reports on Creston and Little Kanawha River locks, shipping tickets, toll notes, and bound copies of the United States Congressional Series Set, dated between 1839 and 1880. The following items were moved to Map Cabinet 12, Drawer 2, Folder 4: approximately fifty sheets of facsimile newspapers (1865-1984), two facsimile maps (undated), and The River-The West Virginia Hillbilly Publication (1976).

## **Muskingum**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98036

**Unit Date** 1814-2000 (Includes facsimiles)

**Mixed Materials** 83 (Box)

### **Scope and Contents**

Kemp wrote the book, *Taming the Muskingum* about navigation on the Muskingum River in Ohio. This box contains his research materials, including photographic prints and negatives, compact discs, photo indices, facsimile photos, maps, diagrams, illustrations, and river flow/traffic data. Subjects include the Muskingum River, its locks and dams, a lockmaster's house on the Muskingum River, structural repairs, boat passageways, bridges, etc. The following oversize items were moved to Map Cabinet 12, Drawer 3, Folder 1: approximately 150 sheets of a report (1977), ten photographic prints (1824-1913), and two photographic negatives (undated).

## **Muskingum**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98037

**Unit Date** 1887-2001 (Includes facsimiles)

**Mixed Materials** 84 (Box)

### **Scope and Contents**

Kemp wrote the book, *Taming the Muskingum* about navigation on the Muskingum River in Ohio. This box contains his research materials, including a book, photo negatives and prints, an annual report, pamphlets, a fact sheet, newsletters, a magazine, and notes. Also includes facsimile clippings, diagrams, contracts, reports, purchases, expenditures, and correspondence. Subjects include the history of the Muskingum Watershed, the operations of the Muskingum Watershed Conservancy District (MWCD), locks and dams, engineering on the Muskingum River, Ohio geology, the Miami Conservancy District, Muskingum soil mechanics, etc. The following items were moved to Map Cabinet 12, Drawer 3, Folder 7: nine pamphlets on Piedmont, Leesville, Clendening, Atwood, Charles Mill, Seneca, and Pleasant Hill lakes (1999-2001), Tappan Moravian Trail pamphlet (undated); one property survey conveyed to Francis and Morris Buxton (1978), one facsimile report: Ohio Valley Flood Control Plan (1941).

## **Muskingum**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98038

**Unit Date** 1832-2000 (Includes facsimiles)

**Mixed Materials** 85 (Box)

### **Scope and Contents**

Kemp wrote the book, *Taming the Muskingum* about navigation on the Muskingum River in Ohio. The box includes the book draft and correspondence. Includes facsimile reports, articles, gate cost estimates, book excerpts and studies. Highlights include a facsimile NRHP nomination Form for Lock #10 on the Muskingum River.

## **Muskingum**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98039

**Unit Date** 1903, 2004, undated (Includes facsimile)

**Mixed Materials** 86 (Box)

### **Scope and Contents**

Kemp wrote the book, *Taming the Muskingum* about navigation on the Muskingum River in Ohio. This box contains his research, including a floppy disk, book copy edits, handwritten notes, and facsimile illustrations for the book. Also includes a typescript on the Big Sandy Navigation, a facsimile report of the 1875 survey of the Big Sandy River, a Chief of Engineers report, and biographical reports on Stephen Long, Ben Franklin Thomas, and William Emery Merrill. Highlights include an unbound copy of the pages for *Taming the Muskingum*.

## **Muskingum Illustrations**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98040

**Unit Date** 1873-1965, 2000 (Includes facsimiles)

**Mixed Materials** 87 (Box)

### **Scope and Contents**

Kemp wrote the book, *Taming the Muskingum* about navigation on the Muskingum River in Ohio. The

Kemp wrote the book, *Taming the Muskingum* about navigation on the Muskingum River in Ohio. The box contains his research, including photo negatives and photo prints of locks, dams, the Mohawk, Pleasant Hill, Tappan, Leesville, Atwood, Charles Mill and Mohicanville reservoirs, flood sites, lockkeeper's houses, boats, etc. The following oversized material was moved to Box 342: one sheet of Muskingum River Traffic Data sheet (undated).

## **Muskingum**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98041

**Unit Date** 1938-1998 (Includes facsimiles)

**Mixed Materials** 88 (Box)

### **Scope and Contents**

Kemp wrote the book, *Taming the Muskingum* about navigation on the Muskingum River in Ohio. The box includes his research materials, including correspondence, booklets, reports, studies, facsimile articles, facsimile reports, and facsimile correspondence. Subjects include the Muskingum River and the Muskingum Watershed Conservancy District, the Ohio River, locks and dams, building along the waterway and insurance claims. The following oversized materials were moved to Box 342: one reservoir data sheet (January 1944), and one map (1970).

## **Muskingum**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98042

**Unit Date** 1933-1953 (All facsimiles)

**Mixed Materials** 89 (Box)

### **Scope and Contents**

Kemp wrote the book, *Taming the Muskingum* about navigation on the Muskingum River in Ohio. The box contains research, including facsimile USACE reports, dam tender instructions, data, and notes. Subjects include dams along the Muskingum River, flood control in the Muskingum Watershed Conservancy District, etc. The following oversized materials were moved to Box 342: nine sheets contract for transfer of ownership (circa 1953), one sheet facsimile note (undated), and two sheets facsimile cost estimates (undated).

## **Muskingum**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98043

**Unit Date** 1888-1910, 1936-1947, 1971-2002 (Includes facsimiles)

**Mixed Materials** 90 (Box)

### **Scope and Contents**

Kemp wrote the book, *Taming the Muskingum* about navigation on the Muskingum River in Ohio. The box contains research materials, including facsimile student thesis, correspondence, photos, pamphlets, articles, book excerpts, maps and clippings, etc. Subjects include recreation on the Muskingum River, development of the Ohio River, Muskingum River navigation, the Muskingum Water Conservancy District, the Fairmont High Level Bridge, steamboats, and dams. Highlights include a Historic Civil Engineering Landmark Nomination for the Muskingum River Navigation System and a draft copy of the book, *Taming the Muskingum*. The following oversized materials were moved to Map Cabinet 12, Drawer 3, Folder 8: four pamphlets of the Muskingum Watershed District Recreation and Map Guide, Facsimile pamphlet, New Philadelphia Self-Guided Tours, Illinois Waterway USACE (1996-2000 and undated), clippings (2000), and one sheet organizational chart (1934).

## **Muskingum**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98044

**Unit Date** 1824-1937 (Includes facsimiles)

**Mixed Materials** 91 (Box)

### **Scope and Contents**

Kemp wrote the book, *Taming the Muskingum* about navigation on the Muskingum River in Ohio. The box contains research materials, mostly facsimiles and some handwritten notes by Larry Sypolt.

Formats include maps, articles, correspondence, dam specifications, reports, funds, clippings, project proposals, etc. Subjects include the Muskingum River and federal projects in the Muskingum Watershed Conservancy District, canals, flood relief, Dover, Atwood, Beach City and Clendening Dams.

## **Muskingum**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98045

**Unit Date** 1905, 1934-1938,1988-2000 (All facsimiles)

**Mixed Materials** 92 (Box)

### **Scope and Contents**

Kemp wrote the book, Taming the Muskingum about navigation on the Muskingum River in Ohio. The box contains research materials. Formats includes USACE reports, plans, specifications, articles, clippings, etc. Subjects include, the Muskingum Watershed, Dover Dam, the Beach City Dam, Muskingum flood control, Ohio canals, and soil analysis by the U.S. Engineering Soil Lab.

## **Muskingum**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98046

**Unit Date** 1873, 1913, 1937-2002 (Includes facsimiles)

**Mixed Materials** 93 (Box)

### **Scope and Contents**

Kemp wrote the book, Taming the Muskingum about navigation on the Muskingum River in Ohio. The box contains research materials, including facsimile clippings, book excerpts, reports, maps, charts, data, worker contracts, memorandums, correspondence, award notifications, thesis, bibliographies, etc. Also includes books, original book drafts for Taming the Muskingum, original correspondence, WVU grant award notification, and research notes.

## **Muskingum**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98047

**Unit Date** 2001

**Mixed Materials** 94 (Box)

### **Scope and Contents**

Kemp wrote the book, Taming the Muskingum about navigation on the Muskingum River in Ohio. The box contains drafts for the text, Taming the Muskingum.

## **Muskingum**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98048

**Unit Date** 2001-2015 (Includes facsimiles)

**Mixed Materials** 95 (Box)

### **Scope and Contents**

Kemp wrote the book, Taming the Muskingum about navigation on the Muskingum River in Ohio. The box contains research materials, including book drafts, email correspondence, prints, photographs, and facsimile photos, maps, tables and illustrations. Subjects include Dr. Kemp, Tappan Dam operating house, and Taming the Muskingum. The following oversize material was moved to Box 342: nine facsimile engineering drawings (1931-1939 and undated).

## **Muskingum (N'burg drafts)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98049

**Unit Date** 1937, 2001-2003 (includes facsimiles)

**Mixed Materials** 96 (Box)

### **Scope and Contents**

Kemp wrote the book, *Taming the Muskingum* about navigation on the Muskingum River in Ohio. The box contains research materials, including drafts for the text *Taming the Muskingum*, a list of "current publication commitments for Dr. Emory Kemp," and facsimile photos of dams along the Muskingum. The following oversize material was moved to Box 342: one facsimile data sheet (undated).

### **Monongahela River**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98050

**Unit Date** 1820, 1890-1919, 1930, 1980-1998 (Includes facsimiles)

**Mixed Materials** 97 (Box)

#### **Scope and Contents**

Kemp consulted with Brown Carlisle on an historical engineering study of the Monongahela River navigational system in 1998. This box contains research materials, including facsimile reports, maps, engineering drawings, conference proceedings and photos, bound copies of the United States Congressional Series Set, and project proposals. Subjects include the Monongahela River Navigation System, locks and dams, and engineering and construction on the Monongahela River. The following oversize materials were moved to Map Cabinet 12, Drawer 3, Folder 9: 1) eight maps (1887, 1910, 1996), 10 sheets of engineering drawings (circa 1930-1939, 1996).

### **Bonnet Carré Spillway Project (Box 1 of 2)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98051

**Unit Date** 1929-1939, 1977-1991 (includes facsimiles)

**Mixed Materials** 294 (Box)

#### **Scope and Contents**

The USACE, New Orleans District appointed Kemp as the industrial archaeologist on the project to preserve the Bonnet Carré Spillway in St. Charles Parish, Louisiana. Kemp evaluated whether the spillway should be nominated for the NRHP, and Kemp later published his research as the monograph, "Stemming the Tide: Design and Operation of the Bonnet Carré Spillway and Floodway" as part of the *Essays in Public Works History* series. The box includes drafts of the monograph, reports, correspondence, photographic prints, photographic negatives, photographic contact sheets, photograph lists, handwritten notes, magazines, interview notes, and an audiotape. The box also includes facsimiles of the following: photographic prints, engineering drawings, handwritten notes, reports, maps, and journal articles. Subjects include the Bonnet Carré Spillway in St. Charles Parish, Louisiana; construction of the Bonnet Carré Spillway; Lake Pontchartrain in Louisiana; the Lower Mississippi Valley; levees and canals of New Orleans, Orleans Parish, Louisiana; flood controls along the Mississippi River; and the New Orleans flood of 1927. Correspondents include Malcolm Shuman from the Museum of Geoscience at Louisiana State University and Michael Stout from the USACE, New Orleans District. Highlights include an NRHP evaluation of the Bonnet Carré Spillway and an audio interview with Frederic Chatry, chief of the Engineering Division of the USACE, New Orleans District. The following oversize items were moved to Map Cabinet 12, Drawer 14, Folder 2: nine engineering drawings (1929 and undated), ten maps (1929, 1959-1960), and one brochure (1983).

### **Bonnet Carré Spillway Project (Box 2 of 2)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98052

**Unit Date** 1860-1869, 1927-1940, 1973-1990 (includes facsimiles)

**Mixed Materials** 295 (Box)

#### **Scope and Contents**

The USACE, New Orleans District appointed Kemp as the industrial archaeologist on the project to preserve the Bonnet Carré Spillway in St. Charles Parish, Louisiana. Kemp evaluated whether the spillway should be nominated for the NRHP, and Kemp later published his research as the monograph, "Stemming the Tide: Design and Operation of the Bonnet Carré Spillway and Floodway" as part of the *Essays in Public Works History* series. The box includes handwritten notes, photographic prints, correspondence, travel ephemera, reports, newsletters, and brochures. The box also includes facsimiles of the following: budget lists, correspondence, engineering drawings, photographic prints, photograph logs, book excerpts, catalog records, contract agreements, bound copies of the United States Congressional Series Set, reports, and expense reports. Subjects include bridges; the construction of the Bonnet Carré Spillway; USACE, New Orleans District; the Illinois Central Railroad;

flood control mechanisms in New Orleans; levees; hydraulic systems; mitigation of historic structures; and standards for the NRHP. The following oversize items were moved to Map Cabinet 12, Drawer 14, Folder 2: six engineering drawings (1929, 1986, and undated), and one brochure (1970).

### **Tennessee-Tombigbee Waterway**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98053

**Unit Date** 1978-1994 (includes facsimiles)

**Mixed Materials** 309 (Box)

#### **Scope and Contents**

Kemp served as a senior technical advisor for the USACE's official history of the Tennessee-Tombigbee Waterway ("Tenn-Tom"), which stretches across Tennessee, Mississippi, and Alabama. He conducted oral histories with engineering staff members of the USACE's Mobile and Nashville Districts, wrote sections of the report, and advised Principal Investigator Jeffrey Stine on technical terms for the report. Kemp later published an essay on the construction of the Tennessee-Tombigbee Waterway, one of the last big public waterway initiatives of the twentieth century. The box includes report drafts, correspondence, catalog records, handwritten notes, deeds of gifts for oral histories, research proposals, outlines of the report, and brochures. The box also includes facsimiles of the following: maps and book excerpts. Subjects include the ACE Mobile District, the ACE Nashville District, the decision to build the Tenn-Tom, and Bay Springs Lock and Dam. The following oversize items were moved to Map Cabinet 12, Drawer 14, Folder 10: one map (1983), fourteen sheets of facsimile book excerpts (1986), one chart (1986), and two facsimile engineering drawings (undated). Transcripts of several oral histories appear in Box 340.

### **Tennessee-Tombigbee Waterway**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98054

**Unit Date** 1960-2006 and undated (includes facsimiles)

**Mixed Materials** 310 (Box)

#### **Scope and Contents**

Kemp served as a senior technical advisor for the USACE's official history of the Tennessee-Tombigbee Waterway ("Tenn-Tom"), which stretches across Tennessee, Mississippi, and Alabama. He conducted oral histories with engineering staff members of the Army Corps of Engineers' Mobile and Nashville Districts, wrote sections of the report, and advised Principal Investigator Jeffrey Stine on technical terms for the report. Kemp later published an essay on the construction of the Tennessee-Tombigbee Waterway, one of the last big public waterway initiatives of the twentieth century. This box contains materials from his research, including notes, book excerpts, photographic prints, maps, compact discs of photographs, reports, manuals, and newsletters. The box also includes facsimile reports and a facsimile award nomination. Subjects include the engineering techniques of the Army Corps of Engineers, the Tennessee-Tombigbee Waterway, Bay Springs Lock and Dam, locks and dams in general, the Divide Cut of the Tennessee-Tombigbee Waterway, shallow-draft waterways, and the process of reinforcing waterways. The following oversize items were moved to Map Cabinet 12, Drawer 15, Folder 1: nine brochures (1960-1980), and one map (undated).

### **Tennessee-Tombigbee Waterway Report**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98055

**Unit Date** 1989

**Mixed Materials** 311 (Box)

#### **Scope and Contents**

Kemp served as a senior technical advisor for the USACE's official history of the Tennessee-Tombigbee Waterway ("Tenn-Tom"), which stretches across Tennessee, Mississippi, and Alabama. He conducted oral histories with engineering staff members of the Army Corps of Engineers' Mobile and Nashville Districts, wrote sections of the report, and advised Principal Investigator Jeffrey Stine on technical terms for the report. This box contains Stine's final report, "A History of the Tennessee-Tombigbee Waterway, 1970-1985." Subjects include (according to the Table of Contents): "The Administrative and Political Process Leading up to Construction," "Environmental Controversy," "Opposing the Waterway in Court," "The Railroads as Adversaries," "A Return to the Courts," "Economic Issues," "Congress, the

Tenn-Tom, and Annual Appropriations," "Planning and Design," "Construction," "Minority Participation," and "Cultural Resource Management."

### **HABS Photographs from Maryland**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98056

**Unit Date** 1934 (Includes facsimiles)

**Mixed Materials** Reel 1 (Box)

#### **Scope and Contents**

Reel includes engineering drawings from the HABS. Subjects include Maryland structures. Reproduced by Library of Congress. Originally from Box 28 "C&O Lock Houses and Lock Keepers Monograph #3."

### **Multipurpose Dams Project Part 1 of 5**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98057

**Unit Date** 1994-1995, undated (includes facsimiles)

**Mixed Materials** 236 (Box)

#### **Scope and Contents**

Kemp was the primary investigator on a study examining the history of multipurpose dam technology and documenting multipurpose dams in the United States. The United States Bureau of Reclamation and the USACE contracted the IHTIA to perform the study through the National Historic Landmarks program. This box includes some of Kemp's research materials and drafts for the project, including reports, essays, outlines, contracts, catalog records, correspondence and lists of dams. The box also includes facsimiles of the following: lists, reports and contracts. Subjects include large multipurpose dams, dikes, reservoirs and National Parks Service Bureau of Reclamation projects.

### **Multipurpose Dams Project Part 2 of 5**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98058

**Unit Date** 1891-1962, 1985-1995, undated (includes facsimiles)

**Mixed Materials** 237 (Box)

#### **Scope and Contents**

Kemp was the primary investigator on a study examining the history of multipurpose dam technology and documenting multipurpose dams in the United States. The United States Bureau of Reclamation and the USACE contracted with the IHTIA to perform the study through the National Historic Landmarks program. The box includes Kemp's research materials, including correspondence, bibliographies, catalog records, interviews, and an audiotape. The box also includes the following facsimiles: book excerpts, scholarly articles, and research guides. Subjects include multipurpose dams, hydraulic systems, locks, the history of civil engineering, reclamation programs, the history of mines, conducting research on dams, and conducting research at the National Archives and Records Administration.

### **Multipurpose Dams Project Part 3 of 5**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98059

**Unit Date** 1928, 1963-1985, undated (Includes facsimiles)

**Mixed Materials** 238 (Box)

#### **Scope and Contents**

Kemp was the primary investigator on a study examining the history of multipurpose dam technology and documenting multipurpose dams in the United States. The United States Bureau of Reclamation and the USACE contracted with the IHTIA to perform the study through the National Historic Landmarks program. This box contains research material for the project, including handwritten notes and catalog records. The box also includes facsimiles of the following: lists of phone numbers, reports, book excerpts, clippings, press releases, maps, photographic prints, correspondence, engineering drawings, drawings, and glossaries. Subjects include the locations for the papers of the USACE, theme studies of the National Historic Landmarks program, structures, hydraulics in history, multipurpose dams, and United States engineering history. The following oversize item was moved to Box 343: 1 sign (1971).

## **Multipurpose Dams Project Part 4 of 5**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98060

**Unit Date** 1978-1995 and undated (includes facsimiles)

**Mixed Materials** 239 (Box)

### **Scope and Contents**

Kemp was the primary investigator on a study examining the history of multipurpose dam technology and documenting multipurpose dams in the United States. The United States Bureau of Reclamation and the USACE contracted with the IHTIA to perform the study through the National Historic Landmarks program. The box includes the process and results of the study, including correspondence, reports, draft reports, resumes, computer-generated lists of dams, contracts, and manuals. The box also includes facsimiles of the following: correspondence, book excerpts, engineering drawings, photographic prints, contracts, and draft reports. Subjects include multipurpose dams in the United States, the politics of constructing dams, and the criteria for historic landmarks. Highlights include HAER nomination forms for the Hoover and Wilson dams. The following oversize item was moved to Box 343: 1 flyer (1995).

## **Multipurpose Dams Project Research and Drafts Part 5 of 5**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98061

**Unit Date** 1958-1994 and undated (includes facsimiles)

**Mixed Materials** 240 (Box)

### **Scope and Contents**

Kemp was the primary investigator on a study examining the history of multipurpose dam technology and documenting multipurpose dams in the United States. The United States Bureau of Reclamation and the USACE contracted with the IHTIA to perform the study through the National Historic Landmarks program. The box contains materials from his research process. It includes brochures, guidelines, reports, catalog records, clippings and correspondence. The box also includes the following facsimiles: scholarly articles, maps, book excerpts, correspondence, budgets, clippings and contracts. Subjects include Tennessee Valley Authority dams, projects from the USACE and Bureau of Reclamations, multipurpose dams, arch dams, the history of dams, the history of civil engineering, the National Historic Landmark program, and the control and harnessing of water. The following oversize items were moved to Map Cabinet 12, Drawer 12, Folder 7: twelve brochures (1980-1994), one bibliography (1993), and five maps (1985-1988).

## **Research on Water and Hydraulic Technologies and Transportation Systems**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98062

**Unit Date** 1933, 1964-2002 (includes facsimiles)

**Mixed Materials** 305 (Box)

### **Scope and Contents**

Kemp researched waterworks and hydraulic systems and wrote the report "Historic Water Distribution Systems in Augusta, Georgia" as part of the mitigation plan for the city's effort to build a new storm sewer. Kemp also maintained research materials about other engineering innovations. This box includes his reports, bibliographies, essays, scholarly journal articles, brochures, postcards, clippings, correspondence, one photograph, and newsletters. The box also includes facsimiles of the following: clippings, scholarly journal articles, brochures, and correspondence. Subjects include water distribution in Augusta, water quality, diesel and gas, railways and transportation, mills, waterworks, hydraulic technology, and ancient tools and hydraulic systems. The following oversize items were moved to Map Cabinet 12, Drawer 14, Folder 8: four clippings (1846, 1977-1993) and four brochures (1993 and undated).

## **Rivers and Harbors Acts (Part 1)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98063

**Unit Date** 1832-1892

**Mixed Materials** 252 (Box)

### **Scope and Contents**

Kemp collected the records of the United States Senate and House of Representatives as they worked on the Rivers and Harbors Acts. This box contains bound copies from the United States Congressional Series Set from the 22nd - 52nd Congressional sessions. Subjects include canals, the Red River, the Mississippi River, and harbors in Milwaukee and New England.

### **Rivers and Harbors Acts (Part 2)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98064

**Unit Date** 1829-1878

**Mixed Materials** 253 (Box)

### **Scope and Contents**

Kemp collected the records of the United States Senate and House of Representatives as they worked on the Rivers and Harbors Acts. This box contains bound copies of the United States Congressional Series Set from the 20th- 45th Congressional sessions. Subjects include rivers (especially the Mississippi River), canals, harbors (especially in Wisconsin and Massachusetts), Niagara Falls and the Des Moines Rapids.

### **Rivers and Harbors Acts (Part 3)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98065

**Unit Date** 1897

**Mixed Materials** 254 (Box)

### **Scope and Contents**

Kemp collected the records of the United States Senate and House of Representatives as they worked on the Rivers and Harbors Acts. This box contains bound copies of the United States Congressional Series Set from the 55th Congressional session. Subjects include engineering surveys of New England, New York, Kentucky and North Carolina.

### **Rivers and Harbors Acts (Part 4)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98066

**Unit Date** 1829-1900

**Mixed Materials** 255 (Box)

### **Scope and Contents**

Kemp collected the records of the United States Senate and House of Representatives as they worked on the Rivers and Harbors Acts. This box contains bound copies of the United States Congressional Series Set from the 20th-56th Congressional sessions. Subjects include canals (especially the C&O Canal), rivers (especially the Ohio and Mississippi Rivers), and improvements to harbors and roads in Alabama, Florida, Illinois, Maine, Michigan, New York, Texas, and Washington.

### **Rivers and Harbors Acts (Part 5)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98067

**Unit Date** 1828-1861

**Mixed Materials** 256 (Box)

### **Scope and Contents**

Kemp collected the records of the United States Senate and House of Representatives as they worked on the Rivers and Harbors Acts. This box contains bound copies of the United States Congressional Series Set from the 20th - 36th Congressional sessions. Subjects include the C&O Canal, public works projects, projects of the United States Army and Navy, harbor restoration, and navigation of the Mississippi River.

## **Rivers and Harbors Acts (Part 6)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98068

**Unit Date** 1891

**Mixed Materials** 257 (Box)

### **Scope and Contents**

Kemp collected the records of the United States Senate and House of Representatives as they worked on the Rivers and Harbors Acts. This box contains bound copies of the United States Congressional Series Set from the 51st - 59th Congressional sessions. Subjects include rivers and harbors in Connecticut, Iowa, Minnesota, New York, New Jersey, and Tennessee.

## **Miscellaneous Government Reports**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98069

**Unit Date** 1832-1911

**Mixed Materials** 251 (Box)

### **Scope and Contents**

Kemp collected records of the United States Senate and House of Representatives that were relevant to his research endeavors. This box contains bound copies of the United States Congressional Series Set. Subjects include expeditions to the West, Civil War naval battles, ships and shipping regulations, and boats in the United States.

## **Government Reports on Rivers**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98070

**Unit Date** 1899-1947 and undated (includes facsimiles)

**Mixed Materials** 265 (Box)

### **Scope and Contents**

Kemp collected research materials related to federal work on United States rivers and bodies of water. The box includes bound copies of the United States Congressional Series Set, maps, and engineering drawings, in addition to facsimile reports and charts. Subjects include the James River and Kanawha Canal, the Mississippi River, the Missouri River, other rivers and bodies of water in the United States, and railways. The following oversize items were moved to Box 344: eight sheets of contracts (1840) and two sheets of engineering drawings (undated).

## **Natural Resources Conservation Service Hughes River Project**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98071

**Unit Date** 1983-1999 and undated (includes facsimiles)

**Mixed Materials** 260 (Box)

### **Scope and Contents**

Kemp's consulting business, Past and Present, was contracted by the NRCS (formerly the SCS) to prepare HABS/HAER-like records of historic structures that would potentially be impacted by the construction of a multipurpose dam on the North Fork Hughes River in Ritchie County, West Virginia. This box includes research on how to prepare a HABS/HAER record, including originals and facsimiles of the following: reports, instruction manuals, and catalog records. Subjects include documenting historic structures in United States industrial history, procedures for nominating buildings to the NRHP, and procedures for surveying structures for HABS/HAER.

## **Natural Resources Conservation Service Hughes River Project**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98072

**Unit Date** 1988-1999 and undated

**Mixed Materials** 261 (Box)

### **Scope and Contents**

Kemp's consulting business, Past and Present, was contracted by the NRCS (formerly the SCS) to prepare HABS/HAER-like records of historic structures that would potentially be impacted by the construction of a multipurpose dam on the North Fork Hughes River in Ritchie County, West Virginia. The box includes correspondence, contracts, report drafts, handwritten and typed research notes, engineering drawings and maps. Subjects include the North Fork Hughes River Dam; Ritchie County, West Virginia; historic mills and homesteads; preserving historic structures, especially those in ruin; preparing HABS/HAER nominations. Highlights include three volumes of the report, "Phase II Cultural Resources Investigation on the North Fork Hughes River, Ritchie County, West Virginia." The following oversized items were moved to Map Cabinet 12, Drawer 13, Folder 1: nine maps (undated).

### **Natural Resources Conservation Service Hughes River Project**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98073

**Unit Date** 1992-2000 and undated (includes facsimiles)

**Mixed Materials** 262 (Box)

#### **Scope and Contents**

Kemp's consulting business, Past and Present, was contracted by the NRCS (formerly the SCS) to prepare HABS/HAER-like records of historic structures that would potentially be impacted by the construction of a multipurpose dam on the North Fork Hughes River in Ritchie County, West Virginia. The box includes materials about the historic structures, including reports, report drafts, engineering drawings, handwritten notes, photographic prints, photographic negatives, photographic contact sheets, and floppy disks. The box also includes facsimiles of the following: engineering drawings, reports, photographic prints, articles, instruction manuals, budget lists and contracts. Subjects include structures in Harrisville, West Virginia, including Woods Homestead, the Moore Homestead, the Tate Homestead and Oil Rigger, the Imperial Carbon Black Plant and the Back Run Plant. Subjects also include railways in Ritchie County, state highway bridges, coal and natural gas, and the North Fork of the Hughes River.

### **Natural Resources Conservation Service Hughes River Project**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98074

**Unit Date** 1904-1999 (includes facsimiles)

**Mixed Materials** 263 (Box)

#### **Scope and Contents**

Kemp's consulting business, Past and Present, was contracted by the NRCS (formerly the SCS) to prepare HABS/HAER-like records of historic structures that would potentially be impacted by the construction of a multipurpose dam on the North Fork Hughes River in Ritchie County, West Virginia. This box includes research materials he used in preparing the records, including photographic prints, handwritten notes, correspondence, and reports. The box also includes facsimiles of the following: book excerpts, articles, reports, clippings, maps, and bibliographies. Subjects include natural gas; carbon black; oil; mineral resources; the Hughes River; Pleasants County, West Virginia; Wood County, West Virginia; Ritchie County, West Virginia; the railroad in Ritchie County and general West Virginia geography and soil composition. The following oversized items were moved to Box 344: five maps (1918 and 1994).

### **Secretary of War Annual Reports, 1870-1940**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98075

**Unit Date** 1870-1940 (All facsimiles)

**Mixed Materials** 264 (Box)

#### **Scope and Contents**

Kemp researched federal infrastructure projects along West Virginia rivers. The box contains facsimile excerpts from the United States Congressional Series Set, primarily reports to Congress from the United States Secretary of War and the United States Army Chief of Engineers. Subjects include the Rivers and Harbors Act, harnessing water power, improving infrastructure along the Ohio River, the locks and dam along the Great Kanawha River, the James River and Kanawha Canal, the New River, the Greenbrier River, the Elk River, the Gauley River, the Monongahela River, and the Little Kanawha River.

## **Design of Dams**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98076

**Unit Date** 1976-1977 (includes facsimiles)

**Mixed Materials** 235 (Box)

### **Scope and Contents**

Kemp conducted research on the designs of dams. This box contains two Water Resources Technical Publications from the United States Department of the Interior, Bureau of Reclamation: Design of Arch Dams (1977) and Design of Gravity Dams (1976). The box also contains facsimiles of the following: two graphs.

## **Series 1. Research Files -- Industrial Structures**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97886

**Unit Date** 1807-2017 and undated

### **Scope and Contents**

This sub-series includes the materials Kemp collected and produced while researching, documenting, and preserving other major industries and their associated structures. These industrial structures fall outside the realm of bridges, buildings, or waterways. This series also includes Kemp's research on industrial archaeology.

Formats include handwritten notes, book excerpts, reports, brochures, photographic prints, engineering drawings, drawings, computer-generated data, clippings, correspondence, newsletters, student papers, oral history transcripts, and grant applications. Significant amounts of the material are facsimiles.

Subjects include the B&O Railroad; the Staunton-Parkersburg Turnpike that stretches across West Virginia and Virginia; the Weston and Gauley Bridge Turnpike located at Burnsville, Braxton County, West Virginia; iron; coal and coke; nail making; West Virginia mills; West Virginia mines; West Virginia glass factories; water towers; industry in West Virginia and Pennsylvania; and industrial archaeology in West Virginia, Australia, and Great Britain.

Research and drafts of essays on industrial structures and industrial archaeology may also appear in the following series: "Kemp's Library," "Kemp's Professional Writings," "Kemp's Other Professional Activities," and "Oversize Materials." Research on industrial structures may also appear in the following sub-series within the series "Research Files": "Engineers, the history of engineering, and general historical topics."

## **West Virginia Industrial Archaeology**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98077

**Unit Date** 1870-1992 and undated, bulk 1973-1980 (Includes facsimiles)

**Unit Date** Bulk, 1973-1980

**Mixed Materials** 69 (Box)

### **Scope and Contents**

Kemp researched West Virginia industrial archaeology for a monograph he prepared on the state's industrial history. This box contains research materials, including facsimile pamphlets, reports, maps, clippings, student papers, scholarly journal, correspondence, etc. Subjects include glass, West Virginia immigration, Street Railway Company of Martinsburg, "Monongalia Story" by Earl Core, etc. Highlights include a draft of a HAER report about the Meadow River Lumber Company. The following items were moved to Map Cabinet 12, Drawer 2, Folder 6: 1) Six sheets of the Mason-Dixonland Panorama (1974-1981); 2) clippings: "A Critics Guide to Chicago Loop" (1975), "Martin Hall to be Renovated" (undated), "Grist Mills: Monuments to Yesteryear" (1985), "Grains of History" (1987), "No Enemy Could Tear this Stone House Down" (1995), "Cass Lumber Mill" (1982), "Interwoven History Remains Alive in Memorabilia" (1986).

## **West Virginia Industrial Archaeology Book**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98078

**Unit Date** 1857-1990 and undated, bulk 1978-1986 (Includes facsimiles)

**Unit Date** Bulk, 1978-1986

**Mixed Materials** 70 (Box)

### **Scope and Contents**

Kemp researched West Virginia industrial archaeology for a monograph he prepared on the state's industrial history. This box contains research materials, including facsimile maps and articles, reports, student papers, photographs, correspondence, etc. Subjects include Edison Electric Illuminating Company of Martinsburg, John Laudon McAdams, the Potomac River Hydroelectric Dams and the Weston Bridge and Gauley Bridge Turnpike. Highlights include HAER reports about Potomac River Hydroelectric Dams, Dams #4 and #5, Grafton Machine Shop and Foundry and B&O Railroad structures.

## **West Virginia Industrial Archaeology Book**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98079

**Unit Date** 1860-1986, bulk 1980-1984 (Includes facsimiles)

**Unit Date** Bulk, 1980-1984

**Mixed Materials** 71 (Box)

### **Scope and Contents**

Kemp researched West Virginia industrial archaeology for a monograph he prepared on the state's industrial history. This box contains research materials, including facsimile reports, facsimile book excerpts, facsimile engineering drawings, facsimile census listings, correspondence, book drafts, newsletters, articles and photographs. Subjects include manufacturing, Morgantown, mills, iron furnaces and historic places and engineering structures in West Virginia. Highlights include grant applications, correspondence and drafts of the book Recording West Virginia Industrial Heritage. The following oversize material was moved to Box 343: notes about the Census of Manufacturers.

## **West Virginia Industrial Archaeology Book**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98080

**Unit Date** 1869, 1981-1998 (Includes facsimiles)

**Mixed Materials** 72 (Box)

### **Scope and Contents**

Kemp researched West Virginia industrial archaeology for a monograph he prepared on the state's industrial history. This box contains research materials, including photographic prints, notes, correspondence, pamphlets, newsletters, reports, engineering drawings, clippings. Subjects include Marlinton Opera House restoration, Masonic Temple of Weston, Arthurdale, Halliehurst column restoration, Round Barn, Glenwood back porch restoration, Craik-Patton House, Paul D. Marshall & Associates, Inc., McGrew House, etc. The following oversize material was moved to Map Cabinet 12, Drawer 3, Folder 2: The Pocahontas Times (December 1996), Map of Charleston and Beckley (undated), Two engineering drawings of Column Profile Detail (undated), Six engineering drawings of Round Barn structure (1994-1995), clipping "Raising the Roof" (1995), Historic Opera House sign (1981), Blueprint of Marlinton Opera House (undated), clipping "Marlinton Council approves" (1998), Newspaper on McGrew House (1996), Two maps of New River Gorge (undated).

## **West Virginia Industrial Archaeology Book**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98081

**Unit Date** 1971-1988

**Mixed Materials** 73 (Box)

### **Scope and Contents**

Kemp researched West Virginia mills for a monograph he prepared on the state's industrial history. This box contains his research materials including reports, clippings and correspondence. Subjects

include the restoration of the Cass Lumber Mill, Bunker Hill Mill, and Easton Roller. The following oversized material was moved to Box 343: Correspondence (undated), Student paper and letter "Development of Flour milling," and clipping (undated).

### **West Virginia Industrial Archaeology Book**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98082

**Unit Date** 1891-1896, 1946, 1965-1988, undated (Includes facsimiles)

**Mixed Materials** 74 (Box)

#### **Scope and Contents**

Kemp researched West Virginia industrial archaeology for a monograph he prepared on the state's industrial history. This box includes his research materials, including photographic prints, clippings, correspondence, diagrams, grant applications, price sheets, etc. Subjects including lumbering, Cass, glass, Seneca Glass-making Company, grist mills, coals and coke, and iron. Includes 1986 West Virginia Geological Survey. The following items were moved to Map Cabinet 12, Drawer 3, Folder 3: One facsimile journal article: 1981 Pocahontas County History (1981), one sheet of clippings newspaper (1989), two sheets of budget lists (1988), two sheets of balance reports (1984), and a budget report (1983).

### **West Virginia Industrial Archaeology Book**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98083

**Unit Date** 1882-1929, 1963-1989 and undated (Includes facsimiles)

**Mixed Materials** 75 (Box)

#### **Scope and Contents**

Kemp researched West Virginia industrial archaeology for a monograph he prepared on the state's industrial history. This box includes his research materials, including facsimile book excerpt, grant application material, research, student research notes, diagrams, photos of industrial homes, correspondence, etc. Subjects include milling, the Industrial Revolution in West Virginia, industrial archaeology, Martinsburg, Morgantown, etc. Highlights include handwritten and typed notes about historical references, arranged by West Virginia county. The following items were moved to Map Cabinet 12, Drawer 3, Folder 4: Notes for counties (1897-1908), Handwritten notes (undated), engineering drawings (1924), 3 panoramic photographs (undated), 3 maps (undated), 3 mill lists (undated), 4 clippings (1986-1989), and a facsimile letter (December 1893).

### **West Virginia Industrial Archaeology Book**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98084

**Unit Date** 1870-1887, 1912-1989 (Includes facsimiles)

**Mixed Materials** 76 (Box)

#### **Scope and Contents**

Kemp researched West Virginia industrial archaeology for a monograph he prepared on the state's industrial history. This box includes his research materials, including maps, handwritten notes, gazetteers, facsimile reports, pamphlets, correspondence, etc. Subjects include industry in Wheeling, West Virginia, Wheeling history, industrial archaeology sites in West Virginia and iron furnaces. Highlights include a History Survey of Nitro, West Virginia. The following item was moved to Box 342: Facsimile clipping (1969).

### **West Virginia Industrial Archaeology Book (Recording West Virginia's Industrial Past)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98085

**Unit Date** 1906-1908; 1956-1991 (Includes facsimiles)

**Mixed Materials** 77 (Box)

#### **Scope and Contents**

Kemp researched West Virginia industrial archaeology for a monograph he prepared on the state's industrial history. This box includes his research materials, including student papers, handwritten

notes, facsimile articles, and booklets. Subjects include the Cass Lumber Mill, Meadow River Lumber Company, other lumber history, mill history and glass. The following oversize materials were moved to Box 342: seven facsimile clippings (1928 and 1947).

### **West Virginia Industrial Archaeology Book ((Recording West Virginia's Industrial Past)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98086

**Unit Date** 1930-1991 (Includes facsimiles)

**Mixed Materials** 78 (Box)

#### **Scope and Contents**

Kemp researched West Virginia industrial archaeology for a monograph he prepared on the state's industrial history. This box includes his research materials, including student papers, clippings, handwritten notes, newsletters, facsimile book excerpts, etc. Subjects include lumber, salt, oil, gas, Old Stone House, etc.

### **Australian Industrial Archaeology**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98087

**Unit Date** 1990-2000, bulk 1996 and undated

**Unit Date** Bulk, 1996

**Mixed Materials** 58 (Box)

#### **Scope and Contents**

Kemp visited Australia for the First International Engineering Heritage Conference in 1996. The box includes his correspondence and facsimile reports on lumber, steel, and a technical paper on historic bridges of Australia. It includes a few postcards and some pamphlets on fossils in Australia, the Glen Osmond mines, and the State Mine Railway heritage parks. Highlights include the book, They Built South Australia by D.A. Cumming. The following items were moved to Box 342: one industrial map of Armidale in 1915 (1990).

### **Australian Industrial Archaeology**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98088

**Unit Date** 1984-1999 and undated (Includes facsimiles)

**Mixed Materials** 59 (Box)

#### **Scope and Contents**

Kemp researched the history of industrial archaeology in Australia. The box includes photo compilation publications, books, news clippings, facsimile discussion papers, conference proceedings, business cards, tourist destination guides, and pamphlets. Subjects include Australian industrial archaeology, Australian heritage, the Blue Mountains, Armidale, Victoria, the Endeavour ship, timber bridges, Indooroopilly Toll Bridge, the Hawthorn Bridge, Gara Gorge and Boulton and Watt engines.

### **Australian Industrial Archaeology Publications**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98089

**Unit Date** 1983-1993, bulk 1988

**Unit Date** Bulk, 1988

**Mixed Materials** 61 (Box)

#### **Scope and Contents**

Kemp researched the history of industrial archaeology in Australia. The box includes books, pamphlets, and discussion papers. Subjects include Rottneest Island, concrete, Sydney's engineering heritage, Victorian houses, Australian industrial archaeology, meat production, Armidale, the Burra Charter, Mephan Ferguson, the Sydney Opera House, Newcastle engineering, communication infrastructure, etc.

## **Industrial Heritage of Canberra**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98090

**Unit Date** 1983

**Mixed Materials** 62 (Box)

### **Scope and Contents**

Kemp researched the history of industrial archaeology in Australia. This box contains book on engineering in Canberra.

## **British Industrial Archaeology Pamphlets**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98091

**Unit Date** 1965-1992

**Mixed Materials** 64 (Box)

### **Scope and Contents**

Kemp collected materials on British industrial archaeology. The box includes pamphlets, booklets and photograph compilation publications. Subjects include mills, railways, mining, hydropower and steam power, industrial archaeology, Lancashire, Devon etc. Highlights include many booklets from Shire Publications on historic English trades, like nail-making and ironworking, many pamphlets from the Ironbridge Gorge Museum Trust about historic sites of English industry, and a book on industrial heritage in Quebec. The following items were moved to Map Cabinet 12, Drawer 2, Folder 5: Two street maps of Manchester (1974 and undated).

## **British Industrial Archaeology**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98092

**Unit Date** circa 1970-1979

**Mixed Materials** 65 (Box)

### **Scope and Contents**

Kemp studied the industrial archaeology movement in Great Britain in order to consider how the United States could start industrial archaeology scholarship. This box includes correspondence, clippings, facsimile and original magazine clippings, booklets, pamphlets. Subjects include industrial archaeology, civil engineering, iron bridges, the Industrial Age, British engineers, Devon, Morwellham, Telford Arch, Dartington, Fleetwood, Exeter, Weaver's Mill, Hadrian's Wall, Ironbridge Gorge Museum Trust, etc. The following items were moved Box 342: 6 sheets of clippings (1972-1984), 22 pages of magazine clippings (1972), 3 pamphlets (1974-1982 and undated).

## **Industrial Archaeology Books**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98093

**Unit Date** 1979-1983

**Mixed Materials** 66 (Box)

### **Scope and Contents**

Kemp researched industrial archaeology. This box contains research materials, such as books. Subjects are the Hopewell Furnace, the St. Paul District of the USACE, and the Waterway Experiment Station.

## **USA Industrial Archaeology Pamphlets**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98094

**Unit Date** 1865-1993 (Includes facsimiles)

**Mixed Materials** 67 (Box)

### **Scope and Contents**

Kemp researched industrial archaeology. This box contains his materials, including pamphlets on railroads, mills, highways, barns, charcoal making, firefighting, Detroit, Wheeling and Urbana. Highlights include a Buchart Horn Inc. pamphlet on Pennsylvania transportation systems.

## **American Industrial Archaeology**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98095

**Unit Date** 1858-1865, 1962-1993 and undated (Includes facsimiles)

**Mixed Materials** 68 (Box)

### **Scope and Contents**

Kemp researched industrial archaeology. This box contains research materials, including pamphlets, clippings, magazine excerpts, newsletters, a typescript, an encyclopedia excerpt, student papers, facsimile articles. Subjects include trains, railways, infrastructure, steam engines, coal mining, New River Gorge development, American domestic gas lighting systems, logging in South Cheat, West Virginia, Minnesota logging, etc. Highlights include a facsimile report of the HAER No. MI-67 for the St. Clair Tunnel.

## **West Virginia Iron and Steel**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98096

**Unit Date** 1906-1916, 1970-1987 (Includes facsimiles)

**Mixed Materials** 230 (Box)

### **Scope and Contents**

Kemp studied the iron and steel industry in West Virginia. This box includes brochures, reports and report drafts, a magazine excerpt, photographic prints, correspondence, and memorandums. The box also includes facsimiles of the following: photographic prints, maps, handwritten notes, book excerpts, correspondence, reports, and engineering drawings. Subjects include Weirton Steel, the Meadow River Lumber Company, power generation in Martinsburg, steel production, iron furnaces in West Virginia, industry in West Virginia, etc. The following oversized items were moved to Map Cabinet 12, Drawer 12, Folder 4: six sheets of clippings (1974-1988).

## **Books on Coal and Engineering**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98097

**Unit Date** 1890-1928, 1960

**Mixed Materials** 317 (Box)

### **Scope and Contents**

Kemp collected books to aid in his research process. This box includes books and facsimile books on the subjects of coal and engineering.

## **Pennsylvania Coal**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98098

**Unit Date** 1931-1934, 1957, 1991-2000, undated (includes facsimiles)

**Mixed Materials** 233 (Box)

### **Scope and Contents**

The IHTIA consulted on the decision about whether to preserve the Philadelphia and Reading Coal and Iron Company's St. Nicholas Central Breaker near Mahoney City, Pennsylvania as a historic site. The box includes research materials, including handwritten notes, brochures, postcards, reports, correspondence and an artifact tag. The box also includes facsimiles of the following: maps, clippings, engineering drawings, handwritten notes, brochures and photographs. Subjects include the Philadelphia and Reading Coal and Iron Company; Reading anthracite coal; anthracite coal in general; coal mines; coal production; the St. Nicholas Central Breaker near Mahoney City, Pennsylvania; other breakers in Pennsylvania; propane v. electricity; boxcars; and the Store and Webster Engineering Corporation. Highlights include the Huber Breaker HAER nomination form and correspondence from 1931-1932 regarding the parts of the St. Nicholas Central Breaker. The following oversize items were moved to Map Cabinet 12, Drawer 12, Folder 5: ten sheets of notes (undated), two maps (undated), twenty-two engineering drawings (1932-1934), and one brochure (1957).

## **West Virginia Coal and Coke**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98099

**Unit Date** 1906-1926, 1968-1986, undated (includes facsimiles)

**Mixed Materials** 234 (Box)

### **Scope and Contents**

Kemp researched and reported on the history of coal and coke, eventually consulting on the restoration of the Kaymoor Coal Mine Complex (also sometimes called "Kay Moor Mine") and giving a paper on coke production at the SIA's 1974 conference. The box contains his research materials, including reports, report drafts, handwritten notes, brochures, student papers, essays, essay outlines, clippings, handwritten drafts, bibliographies, and correspondence. The box also includes facsimiles of the following: maps, handwritten notes, book excerpts, correspondence, oral histories, photographic prints, and engineering drawings. Subjects include preservation of the New River Gorge National Park in Glen Jean, West Virginia; the history and preservation of the Kaymoor Coal Mine in Fayetteville, West Virginia; Fayette County, West Virginia; the history of the coking and coal mining industries in West Virginia; the history of coal, coke, and iron history in general; preserving industrial sites; and SIA. Highlights include HAER reports of the Kaymoor Coal Mine and Kemp's essay, "Beehive-Oven Coking Operation at Bretz, West Virginia." The following oversize items were moved to Map Cabinet 12, Drawer 12, Folder 6: one brochure (undated), four clippings (1974-1982).

## **West Virginia Glass**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98100

**Unit Date** 1819, 1852-1869, 1971-1991, undated (includes facsimiles)

**Mixed Materials** 250 (Box)

### **Scope and Contents**

Kemp worked with Barb Howe to establish a directory of sites pertinent to the glass industry in West Virginia as part of a book project documenting industrial archaeology in West Virginia. He also consulted on Howe's early drafts of a manuscript, "The Glass Industry in West Virginia." According to an original box description, the materials were used in research preparation for a video by the NPS on Seneca Glass Company (potentially the Seneca Glass Company film available here <https://www.youtube.com/watch?v=7vpXK1gTGOA>), although only a few facsimile materials in the box pertain to the Seneca Glass Company. The box includes reports, engineering drawings, typed notes, photographic prints, correspondence, handwritten notes, student papers, and drafts of the directory. The box also includes facsimiles of the following: book excerpts, scholarly journal articles and essay drafts. Subjects include glass production in West Virginia, the directory of sites of glass industry, glass factories, and historic bridges. Highlights include a HAER nomination form for the Seneca Glass Company Factory building. The following oversize items were moved to Box 344: three clippings (1948-1970).

## **C&O Lock Houses and Lock Keepers Monograph #3**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98101

**Unit Date** 1939-1996 (Includes facsimiles)

**Mixed Materials** 28 (Box)

### **Scope and Contents**

The IHTIA published the monograph C&O Lock Houses and Lock Keepers by Thomas Hahn, a student of Kemp's. The box contains Hahn's research materials, including correspondence and facsimile engineering drawings, book drafts, and a copy of the published book. The following items were moved to Map Cabinet 12, Drawer 1, Folder 3: seven maps of the C&O canal and maps of specific locks in West Virginia and Virginia (1994 and undated). HABS photographs housed on microfilm have been separated to their own box (see Microfilm Reel 1).

## **McGee Creek Watershed Sawmills Archaeological Study**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98102

**Unit Date** 1981-1985 and undated

**Mixed Materials** 313 (Box)

### **Scope and Contents**

Kemp consulted on an archaeological study of sawmills in the McGee Creek Watershed near Atoka, Atoka County, Oklahoma. He provided engineering and architectural expertise to Dr. Sue Moore and C. Reid Ferring of North Texas State University. The box includes handwritten notes, correspondence, handwritten report drafts, clippings, travel ephemera, handwritten bibliographies, photographic slides, contact sheets, drawings, reports, and transcripts from oral histories. The box also includes facsimiles of the following: book excerpts and engineering drawings. Subjects include sawmills, the lumber industry in Oklahoma, and conducting archaeological studies. The report is in Box 316. The following oversized items were moved to Map Cabinet 12, Drawer 15, Folder 2: one map (1982), two pages of notes (undated), and one facsimile page of a book excerpt (1876).

## **Shenandoah Pulp Mill Photos**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98103

**Unit Date** 1994-1995 and undated

**Mixed Materials** 270 (Box)

### **Scope and Contents**

The IHTIA documented the ruins of the Shenandoah Pulp Mill for a HAER report. The box includes these photographic prints, photographic negatives, and photographic contact sheets, along with photograph identification sheets and a draft contract. Subjects include the walls of the Shenandoah Pulp Mill and Harper's Ferry, West Virginia. The following oversized items were moved to Box 344: 1 photograph identification sheet (1995), 1 map (undated), and 62 photographs arranged into 8 layouts (1995).

## **Blaker's Mill**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98104

**Unit Date** 1933, 1975-1991 and undated (includes facsimiles)

**Mixed Materials** 271 (Box)

### **Scope and Contents**

Kemp served as the project leader for restoring the mill machinery and hydraulic system of Blaker's Mill (also called "Blaker Mill" and "Blakers Mill"), an eighteenth century mill, working with Paul D. Marshall & Associates, Inc. He also organized the transfer of Blaker's Mill from Alderson, West Virginia to Jackson's Mill in Weston, West Virginia as part of the effort to turn Jackson's Mill into a museum. The box includes materials used to prepare for the restoration and transfer, including engineering drawings, handwritten notes and calculations, a clipping, a newsletter, correspondence, brochures, photographic prints, report drafts, an oral history transcript and an audiotape. The box also includes facsimiles of the following: maps, engineering drawings, correspondence, brochures, oral history transcripts, report drafts, and budget lists. Subjects include the control of water; engines; pipes; milling machinery; the 4-H Camp at Jackson's Mill in Weston, West Virginia; and Blaker's Mill as it existed in both Alderson and Weston, West Virginia. Highlights include a Geiser Manufacturing Company Supply Trade Catalogue from 1909 and drafts of a Site Interpretation Plan for Blaker's Mill. The following oversized items were moved to Map Cabinet 12, Drawer 13, Folder 3: three maps (1980-1987 and undated), seven clippings (1988-1991 and undated), and fourteen engineering drawings (1986-1989 and undated).

## **Quincy Mine**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98105

**Unit Date** 1988-1991

**Mixed Materials** 272 (Box)

### **Scope and Contents**

Kemp served as a consultant to Michigan Technological University on the proposal to establish a

national park involving the Quincy Mine in Hancock, Michigan. As part of his research, he acquired the HAER report on the mine. This box contains the report, along with Kemp's correspondence with the HABS/HAER office in the Department of the Interior to acquire the report.

### **Keweenaw Park, Michigan**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98106

**Unit Date** 1978-1992 (includes facsimiles)

**Mixed Materials** 289 (Box)

#### **Scope and Contents**

Kemp was appointed by the United States Senate to investigate and evaluate the possibility of creating a national historic landmark that incorporated the story of Calumet Township, Michigan and the Quincy Mine, two areas on the Keweenaw Peninsula of Michigan known for their relation to the copper mining industry. The plans ultimately led to the establishment of today's Keweenaw National Historical Park. Kemp worked with faculty at Michigan Technological University, CLK Foresight Inc., Quincy Mine Hoist Association, and local community members on the evaluation. This box includes Kemp's materials related to his evaluation, including correspondence, reports, NRHP nominations, brochures, ephemera, bound copies of the United States Congressional Series Set, and books. The box also includes facsimile clippings and facsimile reports. Subjects include the Quincy Mine complex in Franklin Township, Houghton County, Michigan; the Quincy Mining Company; the villages of Calumet, Hecla, and Laurium in Calumet Township, Houghton County, Michigan; Isle Royale National Park in Keweenaw County, Michigan; and the copper mining industry. Frequent correspondents include the staff of United States Senator Carl Levin, Reverend Robert Langseth of the NPS Committee, and Burt Boyum of Quincy Mine Hoist Association. The following oversize items were moved to Map Cabinet 12, Drawer 13, Folder 10: two brochures (undated), one map (undated), three clippings (undated).

### **Institute Files: Kaymoor: Engineering Data Component**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98107

**Unit Date** 1980-1989 and undated (includes facsimiles)

**Mixed Materials** 273 (Box)

#### **Scope and Contents**

Kemp led an NPS project to study and stabilize the Kaymoor Coal Mine Complex (also sometimes called "Kay Moor Mine"), which is now part of the New River Gorge National River in Fayette County, West Virginia. He collaborated with Paul D. Marshall & Associates, Inc. on the project. The box includes a book, correspondence, newsletters, brochures, budgets, reports, photographic prints, engineering drawings, and contracts. The box also includes facsimiles of the following: articles, correspondence, budget lists, contracts, resumes, clippings, reports, drafts of reports, technical manuals, student papers, and engineering drawings. Subjects include the section of the New River Gorge National River in Fayette County, West Virginia; the Kaymoor Coal Mine Complex in Fayette County, West Virginia; Kaymoor Mine Number One; mine reclamation and stabilization; powder houses; coke houses; preserving industrial sites; and reimbursement of government employees. The following oversize items were moved to Map Cabinet 12, Drawer 13, Folder 4: four sheets of budgets (1986-1988), two clippings (1986), and one brochure (undated).

### **Nuttallburg: The Monograph**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98108

**Unit Date** 1992-1995 and undated

**Mixed Materials** 274 (Box)

#### **Scope and Contents**

Lee Maddex published an IHTIA monograph on the Nuttallburg Mine entitled The History and Industrial Archaeology of the Nuttallburg Coal Mine. Kemp oversaw archival photography of the coal mine for the monograph, wrote a preface for it, and edited drafts. The box includes those monograph drafts, along with correspondence, budget lists, a photographic print, a manual of style for the IHTIA, and a floppy disk. Subjects include the Nuttallburg Coal Mine complex in Fayette County, West Virginia; the New River Gorge National River in Fayette County, West Virginia; the Nuttall Family; the Nuttallburg Coal and Coke Company; the C&O Canal, mining, mine operations, underground mining; industrial

archaeology and the Industrial Revolution.

## **Oil Springs**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98109

**Unit Date** 1890, 1965-1968, 1982-1999 (includes facsimiles)

**Mixed Materials** 276 (Box)

### **Scope and Contents**

Kemp conducted field work on structures in the oil fields of the Fairbank Oil Company, Canada's oldest petroleum company, and he wrote the article, "The Origins of Ontario Oil Production" with Michael Caplinger. The box includes his research materials, including booklets, postcards, stationary, pamphlets, correspondence, handwritten notes, photographs, books, compact discs, and an audiocassette. The box also includes facsimile book excerpts and student papers. Subjects include the Canadian Oil Museum in Oil Springs, Lambton County, Ontario, Canada; the town of Petrolia, Lambton County, Ontario, Canada; the oil and petroleum industry in North America (especially in Canada), and the Fairbank Oil Company. Highlights include an audiotape of a speech Kemp made to the Ontario Petroleum Institute, most likely on November 5, 2002. The following oversize items were moved to Map Cabinet 12, Drawer 13, Folder 5: thirteen pages of a facsimile book excerpt (1996), two clippings (1999), one brochure (undated), and one drawing (1999). A student paper housed on microfilm has been separated to its own box (see Microfilm Reel 2).

## **Petroleum Technology in Ontario**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98110

**Unit Date** 1972 (Facsimile created 1994)

**Mixed Materials** Reel 2 (Box)

### **Scope and Contents**

Reel includes student paper "Petroleum Technology in Ontario" by Norman Ball Rogers, University of Toronto, 1972.

## **B&O Railroad**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98111

**Unit Date** 1853-1859; 1903-1930; 1951-1986 (Includes facsimiles)

**Mixed Materials** 79 (Box)

### **Scope and Contents**

Kemp researched the B&O Railroad when he was asked to consult on the railroad line. The box contains his research materials, including pamphlets, correspondence, magazines, typescripts, reports, newsletters, itineraries, historic landmark nomination applications, photographic prints, clippings, facsimile articles, etc. Subjects include the Benwood Bridge Centennial Celebration; the Fink Deck Truss Bridge in Lynchburg, VA; the Marion County Centennial, Grafton, WV; B&O railroad sheds; Albert Fink; the President Street Station; B&O at Cheat River Gorge; Rowlesburg - Tunnelton B&O Railroad District; the Kingwood Tunnel; the failure to preserve the Queen City Hotel in Cumberland, MD; the Wheeling Freight Station; etc. The following items were moved to Map Cabinet 12, Drawer 3, Folder 5: 1) Illustration of a bird's eye view of Bellaire, Ohio (1882); 2) Diagram (1893); 3) Facsimile clipping: Moundsville Echo (1975), Chessie System Railway map by Randy McNally (1973), clipping: Sunday Dominion Post, Taylor County News (1971); 4) clipping: New Station Bridge (undated), clipping (June, undated); 5) Wonderful WV magazine clipping: Rosby's Rock and B&O, a colorful history (undated), B&O RR Museum pamphlet (undated); 6) (3) Facsimile diagrams: east portal for Kingwood Tunnel, brick lining, ring stones, Old Kingwood Tunnel (1911-1934); 7) (5) clippings - Wheeling Freight Station (1975), Moundsville B&O (1975), Kemp at Wheeling City Hall (1974), Earl Core's Monongalia Story (1977-1978), (4) Facsimile clippings (undated); 8) Facsimile journal clipping; American Contract Journal (1885).

## **Save America's Treasures Project: B&O Railroad Main Stem**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98112

**Unit Date** 2004

**Mixed Materials** 80 (Box)

### **Scope and Contents**

The IHTIA and Vandalia Heritage Foundation created a report on revitalizing the B&O Railroad Main Stem in 2004. The box contains their preparation, including reports, a typescript, a cultural resource inventory with facsimile photos, an archival resource inventory, and a community development report all dealing with the B&O Railroad, its historical context, and the surrounding industrial archaeology. All of these materials were formerly housed in a binder.

## **Save America's Treasures Project: B&O Railroad Main Stem**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98113

**Unit Date** 1857-1948; 1970-2004 (Includes facsimiles)

**Mixed Materials** 81 (Box)

### **Scope and Contents**

The IHTIA and Vandalia Heritage Foundation created a report on revitalizing the B&O Railroad Main Stem in 2004. The box contains their preparation, including facsimile book excerpts, studies, reports, facsimile photos, articles, facsimile diagrams and maps, and facsimile ephemera. Subjects include the B&O railroad, its surrounding industrial archaeology, and archival management best practices. Highlights include a Historic Landmark nomination forms for the B&O Railroad Martinsburg Shops and facsimile train orders. This document case was originally formatted as two binders.

## **Grafton B&O Railroad Heritage Foundation and Vandalia Heritage Foundation**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98114

**Unit Date** 1993, 2006-2009 and undated

**Mixed Materials** 82 (Box)

### **Scope and Contents**

Kemp consulted with the Vandalia Heritage Foundation on the establishment of the Grafton B&O Railroad Heritage Center and redevelopment of Fairmont, West Virginia. The box includes that work, such as meeting minutes and budgets, reports, correspondence, speeches, grant applications, itineraries, newsletters, draft pamphlets, etc. Subjects include the Grafton B&O Railroad Heritage Center, the Vandalia Heritage Foundation and historic preservation in West Virginia. Highlights include a grant application about the Grafton B&O Railroad Station Business Development Project and "Industrial Fairmont: A Historical Guide." The following oversize items were moved to Map Cabinet 12, Drawer 3, Folder 6: seven maps (1992-1997 and undated), one clipping (2006), and one brochure (1999).

## **Skyline Drive Historic Report**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98115

**Unit Date** 1936-1940, 1993-1996, undated (includes facsimiles)

**Mixed Materials** 292 (Box)

### **Scope and Contents**

Lee Maddex and Billy Joe Peyton of the IHTIA wrote an NRHP nomination for the Skyline Drive Historic District within Shenandoah National Park in Page County, Virginia. The box includes preparation materials, such as correspondence, handwritten notes, a draft of the NRHP nomination and the final NRHP nomination. The box also includes facsimiles of the following: book excerpts, clippings, handwritten notes, and cover pages. Subjects include Shenandoah National Park, the Blue Ridge Mountains, the Civilian Conservation Corp's construction of Skyline Drive during the New Deal and project funding from the Bureau of Public Roads. The following oversize items were moved to Map Cabinet 12, Drawer 13, Folder 11: two maps (undated).

## **Studies of West Virginia Structures**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98116

**Unit Date** 1940, 1972-1994, 2009 and undated (includes facsimiles)

**Mixed Materials** 321 (Box)

### **Scope and Contents**

Kemp and the IHTIA researched historic bridges and preserved the High Gate Carriage House property in Fairmont, West Virginia and a B&O Railroad bridge in Littleton, West Virginia. He also collaborated with Barb Howe on the preservation of Bulltown Historic Area in Braxton County, West Virginia as part of a contract for the USACE. The box includes photographic prints, photographic negatives, articles, lists, reports, and handwritten notes. The box also includes facsimiles of the following: engineering drawings and reports. Subjects include historic bridges, industries and structures in West Virginia. Highlights include a compilation of Kemp's articles on bridges entitled "Historic Bridge Articles Volume 1."

## **Helical Staircases, Concrete, Water Towers and Miscellaneous**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98117

**Unit Date** 1880-1881, 1964-1984, undated (includes facsimiles)

**Mixed Materials** 296 (Box)

### **Scope and Contents**

Kemp studied helical stairs, water towers and concrete, and he published papers on concrete structures and curved beams on elastic supports. This box includes journal articles, dissertations, and Kemp's essays. The box also includes facsimiles of the following: interview transcripts, lists of mills, journal articles, and essays. Subjects include the mathematics underlying helical stairs, water towers, and concrete; and life in Webster and Calhoun Counties, West Virginia in the late nineteenth century and early twentieth century. The following oversize items were moved to Box 344: 20 sheets of computer print-out calculations and graphs (1977).

## **History of Structures in England and Pittsburgh**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98118

**Unit Date** 1807-1810, 1855-1877, 1950-1983, undated (includes facsimiles)

**Mixed Materials** 315 (Box)

### **Scope and Contents**

While working for Ove Arup, Kemp researched I.K. Brunel and the construction of the Renkioi Hospital during the Crimean War in Turkey. Brunel also surveyed the Great Western Railway, where he suggested using cable technology to navigate steep passages that the rail cars might not be able to mount unassisted. The cable-based incline technology was fundamental in designing two Pittsburgh inclines. While serving on the ASCE's Committee for the History and Heritage of American Civil Engineering, Kemp deliberated about granting National Historic Civil Engineering Landmark status to the inclines. The box includes materials from both parts of Kemp's career, including handwritten notes, typewritten notes, articles, correspondence, Historic Civil Engineering Landmarks nomination forms, brochures, clippings, records from the state legislature, reports, scholarly journal articles and photographic prints. The box also includes facsimiles of the following: correspondence, scholarly journal articles, clippings, press releases, book excerpts, budget lists, and engineering drawings. Subjects include I.K. Brunel, Renkioi Hospital, canal tunnels, British canals (especially the Huddersfield Narrow Canal), and the Monongahela and Duquesne Inclines in Pittsburgh. The following oversize items were moved to Map Cabinet 12, Drawer 15, Folder 3: 55 sheets of facsimile report (undated), 1 map (undated), 1 clipping (1983), and 1 engineering drawing (1857).

## **Research on Industrial Structures**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98119

**Unit Date** 1897-1906, 1963-2007, undated (includes facsimiles)

**Mixed Materials** 316 (Box)

### **Scope and Contents**

Kemp and the IHTIA conducted research on industrial structures, mainly in West Virginia. The box contains his research materials, along with publications and reports by Kemp. The box includes contracts, newspapers, transcripts of interviews, reports, correspondence, a student thesis, books, and a calendar. The box also includes facsimiles of the following: photographic prints, clippings, maps, and reports. Subjects include the Seneca Glass Factory in Morgantown, Monongalia County, West Virginia; the Simpson Creek Covered Bridge in Bridgeport, Harrison County, West Virginia, the Barrackville Covered Bridge in Barrackville, Marion County, West Virginia, the Vinton Iron Furnace in Madison Township, Vinton County, Ohio; the C&O Canal, the Mannington Round Barn in Mannington, Marion County, West Virginia; the Monongahela River, West Virginia County Courthouses, mills, canals, rail trails, spillways, petroleum, and bridges.

### **Research on Industrial Structures**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98120

**Unit Date** 2005-2011 and undated

**Mixed Materials** 318 (Box)

#### **Scope and Contents**

Kemp collected books and other materials to aid in his research process. This box includes materials on Canadian electricity, a facsimile Wheeling Grape Sugar and Refining Company bill of lading, and an etching of the Forth Road Bridge in Queensferry, Scotland.

### **Staunton-Parkersburg Turnpike**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98121

**Unit Date** 1810, 1839-1849, 1870-1898, 1918-2000 and undated (includes facsimiles)

**Mixed Materials** 299 (Box)

#### **Scope and Contents**

The IHTIA surveyed the preservation needs of the historic Staunton-Parkersburg Turnpike on behalf of the Staunton-Parkersburg Turnpike Alliance. In addition, Kemp advised a student, Peyton Elliott, who wrote a paper about the Staunton-Parkersburg Turnpike. The box includes correspondence, drafts of interpretive plans, meeting agendas, meeting minutes, handwritten notes, student papers, transcribed letters, clippings, preservation survey forms, and contact sheets. The box also includes facsimiles of the following: correspondence, articles, book excerpts, letters, maps, family trees, clippings, reports, budget lists, bibliographies, and handbooks. Subjects include the Staunton-Parkersburg Turnpike, Civil War history at the turnpike, the Rich Mountain battlefield, the McDowell battlefield, road construction, Virginia history, Pocahontas County, Randolph County, and civil engineer Claude Crozet. The following oversized items were moved to Map Cabinet 12, Drawer 14, Folder 4: seven engineering drawings (1995), three facsimile letters (1841-1848), five clippings (1995 and undated), and four maps (undated).

### **Staunton-Parkersburg Turnpike**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98122

**Unit Date** 1890-1911, 1948-1995, undated (includes facsimiles)

**Mixed Materials** 300 (Box)

#### **Scope and Contents**

The IHTIA surveyed the preservation needs of the historic Staunton-Parkersburg Turnpike on behalf of the Staunton-Parkersburg Turnpike Alliance. This box includes Staunton-Parkersburg Turnpike research materials, including index cards with source listings, catalog records, correspondence, handwritten notes, field survey notes, brochures, contact lists, and itineraries. The box also includes facsimiles of the following: maps, book excerpts, magazine clippings, reports and scholarly journal articles. Subjects include Virginia turnpikes; Virginia roads construction; West Virginia road construction; Randolph County, West Virginia road construction; road restoration, and the Staunton-Parkersburg Turnpike. The following oversized items were moved to Map Cabinet 12, Drawer 14, Folder 5: ten maps (1823-1858, 1928, and undated), nine book excerpts (1976), and two engineering drawings (undated).

## **Staunton-Parkersburg Turnpike**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98123

**Unit Date** 1957 (includes facsimiles)

**Mixed Materials** 301 (Box)

### **Scope and Contents**

The IHTIA surveyed the preservation needs of the historic Staunton-Parkersburg Turnpike on behalf of the Staunton-Parkersburg Turnpike Alliance. This box contains a facsimile book excerpt, The Turnpike Movement in Virginia, which IHTIA researchers used to understand the Staunton-Parkersburg Turnpike.

## **Weston and Gauley Bridge Turnpike**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98124

**Unit Date** 1848-1988 (includes facsimiles)

**Mixed Materials** 302 (Box)

### **Scope and Contents**

Kemp researched the Weston and Gauley Bridge Turnpike for the USACE. In addition, the IHTIA surveyed the preservation needs of the historic Staunton-Parkersburg Turnpike on behalf of the Staunton-Parkersburg Turnpike Alliance. This box contains Kemp's research materials, including typed and handwritten notes, correspondence, and technical manuals. The box also includes facsimiles of the following: book excerpts, maps, correspondence, reports, financial statements, and clippings. Subjects include the Weston and Gauley Bridge Turnpike in Burnsville, Braxton County, West Virginia; the Staunton-Parkersburg Turnpike in Staunton, Virginia and Parkersburg, Wood County, West Virginia; Burnsville Reservoir in Burnsville, Braxton County, West Virginia; Bulltown Historic District, Braxton County, West Virginia; the Virginia Board of Public Works; and bridge construction. The following oversize item was moved to Map Cabinet 12, Drawer 14, Folder 6: one map (undated).

## **Weston and Gauley Bridge Turnpike**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98125

**Unit Date** 1979-1993 (includes facsimiles)

**Mixed Materials** 303 (Box)

### **Scope and Contents**

Kemp and Janet Kemp researched the Weston and Gauley Bridge Turnpike for the USACE, Huntington District eventually publishing the report "A History of the Weston and Gauley Turnpike." The box contains their research materials, including photographs, reports, draft reports, articles, notes, correspondence, clippings, engineering drawings, and forms. The box also includes facsimiles of the following: clippings, maps, correspondence, clippings, photographs, and contract agreements. Subjects include the Weston and Gauley Bridge Turnpike, Slaven's Cabin and Summersville Turnpike (also called Summersville and Slaven Cabin Turnpike), early road construction, and turnpike construction generally in West Virginia counties. The following oversize items were moved to Map Cabinet 12, Drawer 14, Folder 6: one handbill (1854), six maps (1883 and undated), eight clippings (1852 and 1980), and four contract sheets (1854).

## **Research on Transportation Systems**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98126

**Unit Date** 1889-1913, 1957, 2001-2017, undated (Includes facsimiles)

**Mixed Materials** 297 (Box)

### **Scope and Contents**

Kemp conducted research on land and water transportation systems and published on the subject, including the book Transportation and Technology, which included essays on the history of technology and transportation. The box includes a dissertation, reports, photographic prints, research notes, a calendar, correspondence, handwritten notes, clippings, and resumes. The box also includes facsimiles of the following: maps, advertisements, charts, reports, photographic prints, book excerpts, correspondence, clippings, maps and engineering drawings. Subjects include turnpikes, structures of West Virginia, waterways, Kemp's book Taming the Muskingum, the Little Kanawha River, and bridges.

Highlights include a HAER nomination form for the West Oil Company Endless-Wire Oil Pumping Rig and correspondence about Kemp's work with Fairbanks Oil Company. The following oversize items were moved to Map Cabinet 12, Drawer 14, Folder 3: one clipping (2013), two brochures (1976), one map (1883).

### **Augusta Wastewater System Archaeological Survey**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98127

**Unit Date** 1881-1923, 1848-1986, undated (includes facsimiles)

**Mixed Materials** 304 (Box)

#### **Scope and Contents**

Kemp advised the City of Augusta, Georgia on an archaeological mitigation of their wastewater management system. As part of his consultation, Kemp researched the historic water system in Augusta. Correspondents include Thomas Robertson from Baldwin and Cranston Associates, Inc. and Jorge Jimenez from the City of Augusta. The box includes correspondence, reports, notes, clippings, transcribed meeting notes, newsletters, draft reports, and maps. The box also includes facsimiles of the following: book excerpts, photographs, clippings, maps, and notes. Subjects include historic water distribution in Augusta, water filtration, water treatment plants, power pumps, and pipes. Highlights include the American Water Landmark Candidate form. The following oversize items were moved to Map Cabinet 12, Drawer 14, Folder 7: two maps (1921 and 1976), one clipping (1981).

### **Louisville Water Tower**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98128

**Unit Date** 1854-1898, 1972-1996 (includes facsimiles)

**Mixed Materials** 306 (Box)

#### **Scope and Contents**

Kemp consulted on the restoration of the Louisville Water Tower in Louisville, Jefferson County, Kentucky. He advised on restoration techniques for Phillips & Oppermann, PA, a North Carolina architectural firm. The box includes notes, photographic prints, photographic slides, calculations, correspondence, reports, resumes, construction specifications, engineering drawing, budget lists, and manuals. The box also includes facsimiles of the following: book excerpts, photographic prints, clippings, reports, manuals, and correspondence. Subjects include water towers, pumping stations, surge tanks, steel repair, sheet metal, cleaning and repainting metal, torus geometric structures and gusset reinforcements in the Louisville Water Tower, and the Louisville Water Company. The following oversize items have been moved to Map Cabinet 12, Drawer 14, Folder 9: eighteen engineering drawings (1991 and undated) and one map (undated).

### **IHTIA Technical Reports**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98129

**Unit Date** 1991-1992 (includes facsimiles)

**Mixed Materials** 282 (Box)

#### **Scope and Contents**

The IHTIA prepared technical reports on a number of structures: the High Gate Carriage House in Fairmont, Marion County, West Virginia; the Bollman Suspension Truss Railroad Bridge in Savage, Howard County, Maryland; the Alexander Campbell Mansion near Bethany, Brooke County, West Virginia; Nuttallburg Coal Mine Complex near Fayetteville, Fayette County, West Virginia; and Thurmond Passenger Depot near Thurmond, Fayette County, West Virginia. The box contains these reports, which include facsimiles copies of bibliographies, photographic prints, and HAER documentation. Subjects include landscape documentation, historic furnishings, and preserving historic structures. The following oversize items were moved to Box 344: fourteen engineering drawings (1990 and undated).

## **IHTIA Videocassettes and Research Audiovisual Material**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98130

**Unit Date** 1991-1999 and undated

**Mixed Materials** 322 (Box)

### **Scope and Contents**

The IHTIA recorded video footage of their projects and produced videos for public consumption. Kemp also used videos produced by the United States Army Water Experiment Station as reference material for his research. The box includes videocassette tapes, one audio cassette tape, and one sticker. Subjects include waterways; oil and gas; Fairbank Oil Fields in Oil Springs, Lambton County, Ontario, Canada; Seneca Glass Company in Morgantown, Monongalia County, West Virginia; the coal industry at the St. Nicholas Breaker in Schuylkill County, Pennsylvania; the Wheeling National Heritage Area Corporation; and the Ohio River. Highlights include a videocassette of Uncovering the Covered Bridge, the film that the IHTIA produced.

## **The Virginia Journal**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98131

**Unit Date** 1882-1885 (facsimiles)

**Mixed Materials** 287 (Box)

### **Scope and Contents**

Kemp collected issues of The Virginia Journal: a Mining, Industrial & Scientific Journal, Devoted to the Development of Virginia and West Virginia . This box contains bound copies of Volumes 1-6. Subjects include coal mining, coke, tin mines, limestone, iron, lumber, alum, railroads, the geology of West Virginia, the Great Kanawha River, the Great Kanawha Coal company, and the traffic of minerals along rivers.

## **Miscellaneous Historical Subjects**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98132

**Unit Date** 1855-2016 (Includes facsimiles)

**Mixed Materials** 24 (Box)

### **Scope and Contents**

Kemp collected materials on historical subjects. The box includes facsimile and original book excerpts, reports and clippings as well as original correspondence, floppy disk. Subjects include the Kanawha River, bridges, water towers, natural cement, and geared locomotives. Highlights include correspondence with Carol Stevens and Peter Jones. The following items were moved to Map Cabinet 12, Drawer 1, Folder 1: five engineering drawings (1792, 1927, 1994-2002, undated), and two maps (2002 and 2009).

## **Series 1. Research Files -- Engineers, the History of Engineering, and General Historical Topics**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97887

**Unit Date** 1770, 1805-2010

### **Scope and Contents**

This sub-series includes the materials Kemp collected and produced while researching major individuals in the history of engineering. It also includes Kemp's study of eighteenth, nineteenth, and early-twentieth century trends in civil engineering. Finally, the series includes miscellaneous materials from Kemp's study of historical topics that are not associated with engineering at all.

Formats include facsimile correspondence, facsimile book excerpts, original correspondence, photographic prints, event programs, pamphlets, books, and clippings. Subjects include Charles Ellet Jr., Marc Séguin, civil engineers, warfare, the United States Army, the IHTIA, and the history of engineering. Significant amounts of the material are facsimiles.

Research and drafts of essays on engineers, the history of engineering, and general historical topics may also appear in the following series: "Kemp's Library," "Kemp's Professional Writings," "Kemp's Other

Professional Activities," and "Oversize Materials." Kemp also discusses engineers in his oral histories in the series "Oral Histories." Research on these topics may also appear in all other sub-series within the series "Research Files."

### **C.A.P. Turner**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98133

**Unit Date** 1911-1920, 1972-2001 (includes facsimiles)

**Mixed Materials** 328 (Box)

#### **Scope and Contents**

Kemp researched the engineer, C.A.P. Turner, and his concrete slab floor known as the "Mushroom slab." His work culminated in the entry "A Biography of C.A.P. Turner" for the MacMillan Encyclopedia of Architects in 1982. The box includes his preparation for the entry, including correspondence, entry drafts, notes, reports, magazines, journal articles and books. The box also includes facsimiles of the following: book excerpts, catalog records, booklets, reports, and clippings. Subjects include C.A.P. Turner, the Minneapolis Warehouse Historic District in Minneapolis, Hennepin County, Minnesota; the Northwestern Knitting Company Factory building in Minneapolis, Hennepin County, Minnesota; concrete flat slabs, and reinforced concrete. Highlights include HAER documentation for Minneapolis Warehouse Historic District; the Northwestern Knitting Company Factory building; and Liberty Memorial Bridge crossing over the Missouri River from Bismarck, Burleigh County, North Dakota to Mandan, Morton County, North Dakota.

### **Ellet Correspondence, 1827-1848**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98134

**Unit Date** 1829-1848 (includes facsimiles)

**Mixed Materials** 330 (Box)

#### **Scope and Contents**

Kemp researched Charles Ellet Jr. as part of his restoration of the Wheeling Suspension Bridge, and he eventually published several articles on the nineteenth century engineer. This box contains facsimiles of Ellet's correspondence. The folders are primarily arranged by year. Subjects include the C&O Canal; the James River Canal; the Niagara Suspension Bridge over the Niagara River connecting Niagara Falls, Niagara County, New York and Niagara Falls, Ontario in Canada; the Fairmount Bridge over the Schuylkill River in Philadelphia, Philadelphia County, Pennsylvania; the Wheeling Suspension Bridge in Wheeling, Ohio County, West Virginia; suspension bridges in general; wire cables; and Ellet's visit to France. Highlights include a letter Ellet addressed to the Marquis de Lafayette.

### **Ellet Correspondence, 1848-1853**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98135

**Unit Date** 1848-1853 (includes facsimiles)

**Mixed Materials** 331 (Box)

#### **Scope and Contents**

Kemp researched Charles Ellet Jr. as part of his restoration of the Wheeling Suspension Bridge, and he eventually published several articles on the nineteenth century engineer. This box contains facsimiles of Ellet's correspondence. The folders are primarily arranged by year. Subjects include the Wheeling Suspension Bridge over the Ohio River in Wheeling, Ohio County, West Virginia; a bridge to be constructed over the Potomac River; suspension bridges in general; and happenings in Ellet's family. A lot of correspondence comes from wife Elvira Ellet and mother Mary Ellet.

### **Ellet Correspondence, 1854-1863**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98136

**Unit Date** 1854-1863 (includes facsimiles)

**Mixed Materials** 332 (Box)

#### **Scope and Contents**

Kemp researched Charles Ellet Jr. as part of his restoration of the Wheeling Suspension Bridge, and he

Kemp researched Charles Ellet Jr. as part of his restoration of the Wheeling Suspension Bridge, and he eventually published several articles on the nineteenth century engineer. This box contains facsimiles of Ellet's correspondence and facsimile clippings. The folders are primarily arranged by year. Subjects include the collapse of the Wheeling Suspension Bridge and repairs to the bridge, ordering metal for the bridge, happenings in the Ellet family, Ellet's views on the Civil War, his invention of the steam ram, the Battle of Memphis, and Ellet's fatal wounding at the battle.

### **Charles Ellet Research**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98137

**Unit Date** 1816-1862, 1916-1939, 1969-1998 (includes facsimiles)

**Mixed Materials** 333 (Box)

#### **Scope and Contents**

Kemp researched Charles Ellet Jr. as part of his restoration of the Wheeling Suspension Bridge, and he eventually published several articles on the nineteenth century engineer. Kemp received assistance from Don Sayenga, who was researching John A. Roebling. This box contains materials from Kemp's research, including correspondence, notes, transcriptions of correspondence, lectures, reports, essays, clippings, brochures, and journal article drafts. The box also includes facsimiles of the following: book excerpts, correspondence, burial ephemera, reports, bound copies of the United States Congressional Series Set. Proposals, engineering drawings, building specifications, charters, family trees, finding aids, clippings, and sheet music. Subjects include the Ellet family; Ellet's life; John A. Roebling; the Wheeling Suspension Bridge over the Ohio River in Wheeling, Ohio County, West Virginia; the Fairmount Bridge over the Schuylkill River in Philadelphia, Philadelphia County, Pennsylvania; a proposed bridge over the Mississippi River; and a proposed bridge over the Potomac River. The following oversize items were moved to Box 344: two facsimile sheets of book excerpts (1848) and two facsimile sheets of correspondence (1839).

### **Charles Ellet Research**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98138

**Unit Date** 1805, 1835-1954, 1886, 1933-1997 (includes facsimiles)

**Mixed Materials** 334 (Box)

#### **Scope and Contents**

Kemp researched Charles Ellet Jr. as part of his restoration of the Wheeling Suspension Bridge, and he eventually published several articles on the nineteenth century engineer. Kemp received assistance from Don Sayenga, who was researching John A. Roebling. This box contains materials from Kemp's research, including correspondence, transcriptions of correspondence, Congressional series, reports, drawings, and brochures. The box also includes facsimiles of the following: book excerpts, correspondence, student papers, engineering drawings, drawings, bound copies of the United States Congressional Series Set, maps, notes, reports, and clippings. Subjects include the Wheeling and Belmont Bridge Company; the Fairmount Bridge over the Schuylkill River in Philadelphia, Philadelphia County, Pennsylvania; the Niagara Suspension Bridge over the Niagara River connecting Niagara Falls, Niagara County, New York and Niagara Falls, Ontario in Canada; anchorages on the Wheeling Suspension Bridge over the Ohio River in Wheeling, Ohio County, West Virginia; the proposal for a bridge over the Potomac River; canals; and bridge cables. The following oversized items were moved to Box 345: seven facsimile engineering drawings (undated).

### **Charles Ellet's Bridges Research**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98139

**Unit Date** 1840-1854, 1940-1993, undated (includes facsimiles)

**Mixed Materials** 335 (Box)

#### **Scope and Contents**

Kemp researched Charles Ellet Jr. as part of his restoration of the Wheeling Suspension Bridge, and he eventually published several articles on the nineteenth century engineer. Some of the materials in this box relate to a National Science Foundation grant application Kemp worked on to study Ellet and the Wheeling Suspension Bridge in depth. The box includes correspondence, contracts, reports, essays, notes, bibliographies, clippings, brochures, and event programs. The box also includes facsimiles of the following: clippings, drawings, book excerpts, catalog records, inspection reports, maps, grant

applications, invitations to events, and press releases. Subjects include Ellet's competition with John A. Roebling; the Wheeling Suspension Bridge over the Ohio River in Wheeling, Ohio County, West Virginia; lawsuits related to the bridge; the process of studying its history; the process of getting it national awards and recognition. Highlights include the NRHP nomination for the Wheeling Suspension Bridge. The following oversized items were moved to Box 345: twelve clippings (1952-1971), eight sheets of a contract (1847), fifty-one pages of a facsimile report (1951).

## **Civil Engineers**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98140

**Unit Date** 1836-1866, 1880-1937, 1959-1998, undated (includes facsimiles)

**Mixed Materials** 339 (Box)

### **Scope and Contents**

Kemp collected reference materials about civil engineers from the United States and Europe, especially France and the United Kingdom. The box includes scholarly journal articles, student papers, books, calculations, preliminary engineering drawings, notes, timelines, correspondence, brochures, clippings, reports, and books. The box also includes facsimiles of the following: catalog records, scholarly articles, book excerpts, bibliographies, clippings, maps, calculations, notes, and bound copies of the United States Congressional Series Set. The engineers described include Stephen Harriman Long, Othmar Ammann, Claudius Crozet, Francois Hennebique, Jacques Chanoine, Simon Pasqueau, John Millington, David Kirkaldy, George Stephenson, Robert Fulton, Alexander Bowman, Edward Wegmann, John E. Greiner, John M. Sweeney, Joseph Bailey, Richard Delafield, Frank Duff McEnteer, George Law, John B. Jarvis, Wilhelm Hildenbrand, Herman Haupt, Orlando Whitney Norcross, John Smeaton, Benjamin Latrobe. The following oversized items were moved to Box 345: forty-two sheets of facsimile book excerpt (1836); five pages of facsimile draft reports (undated); twenty-six sheets of computer data (1983).

## **Historic Landmarks of Civil Engineering Part 1 of 2**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98141

**Unit Date** 1923, 1952-1983 (includes facsimiles)

**Mixed Materials** 244 (Box)

### **Scope and Contents**

Kemp served on the ASCE's Committee on the History and Heritage of American Civil Engineering. This box contains documents pertaining to the history of the structures nominated as National Historic Civil Engineering Landmarks and Local Historic Civil Engineering Landmarks. It includes finding aids, correspondence, brochures, press releases, oral history transcripts, and clippings. It also includes facsimiles of the following: scholarly articles, correspondence, maps, photographic prints, budgets, scripts, book excerpts, nomination forms, brochures, clippings, correspondence, and engineering drawings. Subjects include civil engineering feats in the United States, especially monuments, tunnels, airports, railway systems, bridges, shipyards, dams and other control systems for bodies of water. Structures in the following states are covered: Arkansas, California, Colorado, Georgia, Florida, Illinois, Massachusetts, Missouri, Montana, Nebraska, New Jersey, New Mexico, New York, Ohio, Pennsylvania, Tennessee, Virginia, and Wyoming. Highlights include NRHP forms for several of the structures, as well as sample nomination forms for the ASCE National Historic Civil Engineering Landmarks or Local Historic Civil Engineering Landmarks. Each folder within the box contains materials on a different nominated structure, and the folders are arranged in alphabetical order by the name of the structure. The following oversized items were moved to Map Cabinet 12, Drawer 12, Folder 9: two maps (1976), six sheets of clippings (1975 and undated), and one booklet (1977).

## **Historic Landmarks of Civil Engineering Part 2 of 2**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98142

**Unit Date** 1964-1979

**Mixed Materials** 245 (Box)

### **Scope and Contents**

Kemp served on the ASCE's Committee on the History and Heritage of American Civil Engineering. This box contains documents pertaining to the history of the structures nominated as National Historic Civil

Engineering Landmarks and Local Historic Civil Engineering Landmarks. The box includes press releases, photographic prints, correspondence, fact sheets, nomination forms, reports, event programs, and brochures. The box also includes the following facsimiles: correspondence, engineering drawings, book excerpts, clippings, photographic prints, nomination forms, meeting minutes, clippings and reports. Subjects include civil engineering feats in the United States, especially tunnels, bridges, railways systems, and buildings. Structures in the following states are covered: Alabama, California, Georgia, Kansas, Massachusetts, New Hampshire, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Tennessee, Washington, and Wisconsin. Highlights include NRHP forms for several of the structures, as well as nomination forms for the ASCE National Historic Civil Engineering Landmarks or Local Historic Civil Engineering Landmarks. Each folder within the box contains materials on a different nominated structure, and the folders are arranged in alphabetical order by the name of the structure. The following oversized items were moved to Map Cabinet 12, Drawer 12, Folder 10: two sheets minutes (1977), one sheet of facsimile book excerpts (undated), one map (1958), and four sheets of clippings (1977-1979).

### **Elements of Civil Engineering by John Millington; Carpenter and Joiner's Assistant by James Newlands**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98143

**Unit Date** 1839, 1860

**Mixed Materials** 246 (Box)

#### **Scope and Contents**

Kemp maintained research materials on the history of civil engineering. This box contains facsimile copies of two books: Elements of Civil Engineering by John Millington and The Carpenter and Joiner's Assistant by James Newlands. The box also includes facsimile engineering drawings from The Carpenter and Joiner's Assistant. The following oversized items were moved to Box 344: 13 sheets of engineering drawings (circa 1860).

### **Nineteenth Century Engineering Texts**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98144

**Unit Date** 1770, 1812-1890, 1952 (includes facsimiles)

**Mixed Materials** 247 (Box)

#### **Scope and Contents**

Kemp maintained research files on bridges and engineering. The box includes facsimile book excerpts and facsimile engineering drawings. Subjects include railroad bridges, truss bridges, historic structures, the history of civil engineering and mechanics.

### **Studies of Engineering, Energy and Architecture**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98145

**Unit Date** 1867, 1912, 1959-1960, 1989 and undated (includes facsimiles)

**Mixed Materials** 269 (Box)

#### **Scope and Contents**

Kemp studied energy principles and maintained research files on engineering and architecture. The box includes his workbook, as well as a book and report. The box also includes facsimile book excerpts. Subjects include energy principles, architecture, civil engineering, and building roads.

### **Miscellaneous Historical Booklets**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98146

**Unit Date** 1969-1995 and undated

**Mixed Materials** 286 (Box)

#### **Scope and Contents**

Kemp collected booklets about historical subjects. This box includes booklets and one event program. Subjects include battlefields, explorers, city planning, engineering technology and transportation

technology.

### **Miscellaneous Historical Subjects**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98147

**Unit Date** 1915, 1934, 1983, 2010

**Mixed Materials** 307 (Box)

#### **Scope and Contents**

Kemp collected publications for research for his projects. The box includes ABCs of Iron and Steel by A.O. Backet (1915), Historic Canals and Waterways of South Carolina by Robert Kapsch (2010) a Tennessee-Tombigbee Waterway Briefing Information report from the USACE, Mobile District (1983), and This box includes unbound editions of publications that Kemp used in his research for his projects. The box includes ABCs of Iron and Steel by A.O. Backet (1915), Historic Canals and Waterways of South Carolina by Robert Kapsch (2010) a Tennessee-Tombigbee Waterway Briefing Information report from the USACE, Mobile District (1983), and a study of American religion (1934).

### **Miscellaneous Historical Subjects**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98148

**Unit Date** 1943-1954

**Mixed Materials** 308 (Box)

#### **Scope and Contents**

The box includes two bound books Kemp used as reference for his projects. The publications are: American Science and Invention by Mitchell Wilson (1954) and Middle East War Projects of Johnson, Drake and Piper, Inc. For the Corps of Engineers, U.S. Army 1942-43 (1943).

### **Miscellaneous Publications**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98149

**Unit Date** 1989-2008

**Mixed Materials** 284 (Box)

#### **Scope and Contents**

Kemp maintained research materials about a number of subjects. This box includes magazines, newsletters, correspondence and a brochure. Subjects include the Newcomen Society, alternative fuels, soil erosion, the history of Ohio, and the history of the United States Army. The following oversize material was moved to Map Cabinet 12, Drawer 13, Folder 8: one clipping (2007).

### **Series 1. Research Files -- Historic Buildings**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97888

**Unit Date** 1810-2002

#### **Scope and Contents**

This sub-series includes the materials that Kemp and the IHTIA collected and produced while studying, documenting, and preserving historic buildings. Kemp mostly studied the engineering principles behind buildings, and primarily focused on non-ornate industrial buildings.

Formats include correspondence, reports, engineering drawings, photographic prints, photographic negatives, photographic slides, student papers, budget lists, pamphlets, book excerpts, clippings, minutes, report drafts, and maps. Significant amounts of the material are facsimiles.

Subjects include the Wheeling Custom House (also known as West Virginia Independence Hall) in Wheeling, Ohio County, West Virginia; and farms and homesteads in West Virginia. Highlights include Kemp's correspondence reflecting on his work on the Sydney Opera House in Sydney, Australia.

Research on historic buildings may also appear in the following series: "Kemp's Library," "Kemp's Professional Writings," "Kemp's Other Professional Activities," and "Oversize Materials." Research on historic buildings may also appear in the following sub-series within the series "Research Files": "Industrial structures," "Building materials," and "Engineers, the history of engineering, and general

historical topics." Kemp also discusses his work on the Wheeling Custom House in his oral histories in the series "Oral Histories."

### **Wheeling Custom House (West Virginia Independence Hall)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98150

**Unit Date** 1838-1889, 1960-1998 (Includes facsimiles)

**Mixed Materials** 98 (Box)

#### **Scope and Contents**

Kemp served as a consultant on the restoration of the Wheeling Custom House, an Italianate building known for its innovative rolled wrought iron beams, floor arches and cast-iron columns. The Wheeling Custom House (also known as West Virginia Independence Hall) was the site of the state's constitutional conventions in 1863. Box includes correspondence, bound copies of the United States Congressional Series Set, bibliographic notes, slides, a deed of gift, diagrams, floor plans, a draft report, facsimile book excerpts, facsimile magazine excerpts, facsimile articles, etc. Subjects include the Wheeling Custom House, Captain A.H. Bowman, metallurgical evaluation of I-beams, wrought iron, Cooper Hewitt, Smithsonian Design Museum, etc. Correspondents include Dr. Emory Leland Kemp, Wayne Elban of Loyola College, et al. Highlights include a HAER report on Cooper Union Building and an NRHP form for Trenton Iron Company. The following items were moved to Box 342: One diagram "shewing" the new treasury building as connected with the old State Department (undated), and 24 sheets of facsimile clippings (1886).

### **Wheeling Custom House (West Virginia Independence Hall)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98151

**Unit Date** 1837-1881, 1970-2002 (includes facsimiles)

**Mixed Materials** 99 (Box)

#### **Scope and Contents**

Kemp served as a consultant on the restoration of the Wheeling Custom House, an Italianate building known for its innovative rolled wrought iron beams, floor arches and cast iron columns. The Wheeling Custom House (also known as West Virginia Independence Hall) was the site of the state's constitutional conventions in 1863. Box includes a pamphlet, correspondence, drawings, engineering drawings, notes, structural analysis, reports, project expenditures, facsimile articles and correspondence, facsimile appropriations and reports, etc. Subjects include the Reading Hall Station Bridge, the restoration of the Wheeling Custom House, fireproof factories, structural iron, etc. Correspondents include Wayne Elban, Tracy Stephens, et al. The following item was moved to Map Cabinet 12, Drawer 4, Folder 1: three drawings (circa 1850 and undated), one clipping (1981), and three engineering drawings (1980 and undated).

### **Wheeling Custom House (West Virginia Independence Hall)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98152

**Unit Date** 1853-1856, 1973-1993 (Includes facsimiles)

**Mixed Materials** 100 (Box)

#### **Scope and Contents**

Kemp served as a consultant on the restoration of the Wheeling Custom House, an Italianate building known for its innovative rolled wrought iron beams, floor arches and cast iron columns. The Wheeling Custom House (also known as West Virginia Independence Hall) was the site of the state's constitutional conventions in 1863. Box includes magazines, reports, pamphlets, correspondence, and facsimile reference articles, drawings, etc. Subjects include the New Orleans Custom House, the Georgetown Custom Office, etc. Highlights include the NRHP nomination summary for the Wheeling Custom House and a 1986 structural report of the Wheeling Custom House.

## **Wheeling Custom House (West Virginia Independence Hall)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98153

**Unit Date** 1848-1881, 1935, 1964-1995 (includes facsimiles)

**Mixed Materials** 101 (Box)

### **Scope and Contents**

Kemp served as a consultant on the restoration of the Wheeling Custom House, an Italianate building known for its innovative rolled wrought iron beams, floor arches and cast iron columns. The Wheeling Custom House (also known as West Virginia Independence Hall) was the site of the state's constitutional conventions in 1863. Box includes correspondence, magazine excerpts, clippings, reports, field notes and calculations, manuscripts, facsimile book excerpts, etc. Subjects include the restoration of the Wheeling Custom House, iron, invention of the I-beam, wrought iron analysis, cast iron beams, fireproofing buildings, etc. Highlights include specifications for alterations of, appraisal of, and plans for the Wheeling Custom House. The following oversize items were moved to Box 342: three engineering drawings (undated).

## **Wheeling Custom House (West Virginia Independence Hall)**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98154

**Unit Date** 1850-1882, 1968-1996 (Includes facsimiles)

**Mixed Materials** 102 (Box)

### **Scope and Contents**

Kemp served as a consultant on the restoration of the Wheeling Custom House, an Italianate building known for its innovative rolled wrought iron beams, floor arches and cast iron columns. The Wheeling Custom House (also known as West Virginia Independence Hall) was the site of the state's constitutional conventions in 1863. Box includes correspondence, handwritten structural notes, magazine clippings, facsimile article references, etc. Subjects include the Wheeling Custom House, I-beams, wrought iron, steel making, cast iron, etc.

## **Wheeling Custom House (West Virginia Independence Hall) Restoration**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98155

**Unit Date** 1964-1996 (Includes facsimiles)

**Mixed Materials** 103 (Box)

### **Scope and Contents**

Kemp served as a consultant on the restoration of the Wheeling Custom House, an Italianate building known for its innovative rolled wrought iron beams, floor arches and cast iron columns. The Wheeling Custom House (also known as West Virginia Independence Hall) was the site of the state's constitutional conventions in 1863. Box includes correspondence, minutes, engineering drawings, financial statements, photographs, booklets, etc. Subjects include the Wheeling Custom House, West Virginia Independence Hall Foundation, and building restoration. The following item was moved to Map Cabinet 12, Drawer 4, Folder 2: Four sheets of engineering drawings (1978).

## **Wheeling Custom House (also known as West Virginia Independence Hall) Metallurgical Testing**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98156

**Unit Date** 1915, 1973-1996, and undated (includes facsimiles)

**Mixed Materials** 329 (Box)

### **Scope and Contents**

Kemp collaborated with Wayne Elban of Loyola College on the report "Metallographic Examination and Vickers Microindentation Hardness Testing of Historic Wrought Iron from the Wheeling Custom House." The research culminated in the article "Metallurgical Assessment of Historic Wrought Iron: U.S. Custom House, Wheeling, West Virginia," published in APT Bulletin, and the research aided Kemp as he restored the Wheeling Custom House (also known as West Virginia Independence Hall). The box includes drafts of the report, photographic prints, engineering drawings, scholarly journal articles, and correspondence. The box also includes facsimiles of the following: photographic prints,

correspondence, and book excerpts. Subjects include the Wheeling Custom House in Wheeling, Ohio County, West Virginia; the I-beam; cast and wrought iron; metallurgical rolling methods; Vickers hardness test; stress loads; slags; and shock inductions.

### **Cottrill Opera House Restoration**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98157

**Unit Date** 1997-2002 (Includes facsimiles)

**Mixed Materials** 108 (Box)

#### **Scope and Contents**

Kemp served as the chief engineer for the stabilization of the Cottrill Opera House in Thomas, West Virginia. Includes reports, facsimile and original engineering drawings, cost sheets, facsimile photographs, handwritten notes, newsletters, event programs, project proposals, etc. Subjects include restoration of the Cottrill Opera House in Thomas, West Virginia, concrete, mortar, mortar wall repair, woodworks, mortar joints, masonry, etc. The following oversize materials were moved to Box 342: one pamphlet (undated), forty-one sheets of engineering drawings (1980-2001).

### **Presbyterian Church Mannington**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98158

**Unit Date** 1973-1999 (Includes facsimiles)

**Mixed Materials** 120 (Box)

#### **Scope and Contents**

Kemp consulted on the restoration of the church. Includes correspondence, photos, handwritten notes, floor plans, analysis, and illustrations. It also includes facsimile items such as magazine excerpts, a product description of Safway Adjust-A-Shore, bulletins, and photos. Subjects include the Downsville and Barrackville bridges, restoration of the First United Presbyterian Church of Mannington, the contractors and their work, with correspondents including Paul D. Marshall & Associates, Inc. and Dr. Emory Leland Kemp. The following oversize items were moved to Map Cabinet 12, Drawer 4, Folder 9: 4 sheets of clippings from the Marion Xtra Weekly News (1999), 8 sheets of engineering drawings (circa 1999).

### **Sites Homestead at Seneca Rocks Complex**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98159

**Unit Date** 1980-1983 and undated

**Mixed Materials** 323 (Box)

#### **Scope and Contents**

Kemp and Dr. Barb Howe conducted an Architectural and Historic Recording Project on behalf of the United States Forest Service at Sites Homestead at the Seneca Rocks Complex in the Monongahela National Forest (Seneca Rocks, Pendleton County, West Virginia). The project involved creating an annotated sketch of the building's floor plan according to HAER standards. The box includes reports, photographic negatives, and photographic prints. Subjects include the Sites Homestead (also called the Wayside Inn) and the Sites family.

### **Soil Conservation Service (Natural Resources Conservation Service) Wheeling Creek Watershed Project**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98160

**Unit Date** 1848-1850, 1879, 1901, 1987-1992 (includes facsimiles)

**Mixed Materials** 258 (Box)

#### **Scope and Contents**

The NPS and SCS (now the NRCS) contracted the IHTIA to document historic structures as part of a mitigation study for the Wheeling Creek Watershed Project and create HABS/HAER surveys for many of the structures. Correspondents include the NPS, the Pennsylvania Historical and Museum Commission, and IHTIA. The box includes many of the research materials, including photographic prints,

photographic slides, photographic negatives, photographic contact sheets, handwritten notes, correspondence, memorandums and reports. The box also includes facsimiles of the following: reports, handwritten deeds, and photographic prints. Subjects include historic houses; historic structures in West Finley, Pennsylvania; the Jacob Crow house and farm in Cameron, West Virginia; a metal truss bridge near the Jacob Crow house; Crows Mill in Greene County, Pennsylvania; Durbin General Store in Greene County, Pennsylvania; Lower Dunkard Fork Creek in Greene County, Pennsylvania; Ohio County, West Virginia; Marshall County, West Virginia; Greene County, Pennsylvania; and Fayette County, Pennsylvania. Highlights include Pennsylvania Historic Resources Survey nomination forms. The following oversized items were moved to Box 343: 16 sheets of facsimile logs (1850-1910).

### **Soil Conservation Service (Natural Resources Conservation Service) West Virginia Structures Project**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98161

**Unit Date** 1989-1998 (includes facsimiles)

**Mixed Materials** 259 (Box)

#### **Scope and Contents**

Kemp's consulting firm, Past and Present, was contracted by the SCS (now the NRCS) to carry out "data recovery...associated with historic buildings, bridges, and other structures impacted by water resource projects in West Virginia." The box contains Kemp's studies of a few structures and photographs prepared for HABS/HAER nominations. It includes contracts, correspondence, maps, photograph indexes and keys, photographic prints, and photographic negatives. The box also includes facsimiles of the following: engineering drawings, maps, correspondence, and budget lists. Subjects include the George Washington Smith House and Farm in Ripley, West Virginia; historic houses in Harrisville, West Virginia; and the HABS/HAER nomination process. The following oversized items were moved to Map Cabinet 12, Drawer 12, Folder 11: 13 engineering drawings (undated).

### **Lost River Soil Conservation Service Mitigation**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98162

**Unit Date** 1991-1993 and undated

**Mixed Materials** 290 (Box)

#### **Scope and Contents**

The SCS (now the NRCS) appointed Kemp the Primary Investigator for a HABS documentation study of Wilkins Farm, situated in the Lost River Watershed. The box includes HABS reports with edits, indexes to HABS photographs, photographic prints, photographic negatives, photograph contact sheets, engineering drawings, drawings, and expense lists. The box also includes facsimiles of the following: engineering drawings, maps, and lists. Subjects include Lost River, Hardy County, West Virginia; the Wilkins Farm in Lost City, Hardy County, West Virginia; and documenting a building for a HABS survey. The following oversized items were moved to Box 344: two maps (undated).

### **Australia Industrial Archaeology Publications and the Sydney Opera House**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98163

**Unit Date** 1957-1996, bulk 1968-1973

**Unit Date** Bulk, 1968-1973

**Mixed Materials** 60 (Box)

#### **Scope and Contents**

Kemp helped to engineer the Sydney Opera House in Sydney, Australia. Later, he researched industrial history in Australia. This box includes materials commemorating his work on the Opera House and contains his research, including correspondence, books, facsimile articles, conference proceedings, magazines, journal articles, etc. Subjects include Australian bridges, Australian tourism, Ove Arup, G.J. Zunz, Jørn Utzon, engineering of the Sydney Opera House and problems with the Sydney Opera House. Highlights include a facsimile sheet of calculations planning the Sydney Opera House. The following items were moved to Box 342: One page calculations of the Sydney Opera House (undated), one page facsimile blueprint detail (undated), one clipping (undated), one scholarly journal article, "Problems and Progress in the Construction of Sydney Opera House" (1965), and one newsletter from Eberly College of Arts and Sciences (1997).

## **IHTIA Reports and the Mason-Dixon Survey**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98164

**Unit Date** 1992-1995

**Mixed Materials** 319 (Box)

### **Scope and Contents**

The IHTIA wrote reports about West Virginia buildings, and Kemp reviewed a Master's thesis by Mike Skertich. The box includes reports that include facsimile engineering drawings. Subjects include High Gate Carriage House in Fairmont, Marion County, West Virginia (also called "Highgate" and "Ross Funeral Home"); the 1400 Block junction in Wheeling, Ohio County, West Virginia; and the Mason-Dixon Survey. Highlights include a facsimile copy of the NRHP nomination for the High Gate. The following oversized items have been moved to Box 344: twelve engineering drawings (1990).

## **Paul D. Marshall & Associates, Inc. and Research on Roman Hydraulics**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98165

**Unit Date** 1816-1837, 1969-2000, and undated (includes facsimiles)

**Mixed Materials** 314 (Box)

### **Scope and Contents**

Kemp worked with Paul D. Marshall & Associates, Inc. to document and suggest restoration of the Friendship House in Washington, D.C. and Hubbard House in Charleston, Kanawha County, West Virginia. The box also includes Kemp's research materials. The box includes reports, notes, pamphlets, and student papers. The box also includes facsimiles of the following: engineering drawings, book excerpts, and correspondence. Subjects include the Wheeling Custom House (also known as West Virginia Independence Hall) in Wheeling, Ohio County, West Virginia; Saint Anthony Falls Hydraulic Laboratory in Minneapolis, Hennepin County, Minnesota; Roman aqueducts; other ancient aqueducts; and other ancient aqueduct systems (it appears that Paul D. Marshall & Associates, Inc. did not study Roman hydraulics, and therefore the materials from Paul D. Marshall & Associates, Inc. are not related to the research on Roman hydraulics). Highlights include a facsimile NRHP nomination for the United States Custom House at Norfolk.

## **Miscellaneous Consulting Projects**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98166

**Unit Date** 1810, 1852-1875, 1935-1999, undated (includes facsimiles)

**Mixed Materials** 312 (Box)

### **Scope and Contents**

Kemp and the IHTIA consulted on a number of restoration projects. This box contains materials from the Ross Hatfield House and Garage renovation in Mannington, Marion County, West Virginia (1999); the move of the Putnam-Houser House ("Maple Shade") from Belpre, Washington County, Ohio to Blennerhassett Historical Park on Blennerhassett Island in Parkersburg, Wood County, West Virginia (1986); restoration of the McFarland-Hubbard House in Charleston, Kanawha County, West Virginia (1999); exhibit development at the Intermodal Transportation Center in Wheeling, Ohio County, West Virginia (undated); the Basque Ship investigation in Ottawa, Ontario, Canada (1999); the development of the National Bridge Museum and Research Center in Wheeling, Ohio County, West Virginia (1998); lighting for the Wheeling Suspension Bridge (1996-1997); the rehabilitation of the Colorado Street Bridge in Pasadena, Los Angeles County, California (1982); and a survey of the Mowersville Road Bridge in Mowersville, Franklin County, Pennsylvania (1998). The box includes notes, clippings, correspondence, newsletters, reports, edited drafts of reports, photographic slides, images of pigments, lists of contacts, programs for events, budget lists, journal articles, transparencies, bibliographies, and photographic prints. The box also includes facsimiles of the following: engineering drawings, notes, clippings, correspondence, photographic prints, book excerpts, event programs and posters, budgets, maps, and illustrations. Subjects include the preservation of woods and metals, bridge preservation and restoration, historic house preservation and restoration, and the interpretation of historical industrial spaces. Each folder contains materials from a different consulting project. The following oversized items were moved to Map Cabinet 12, Drawer 15, Folder 2: two engineering drawings (1996-1999).

## **Miscellaneous Historical Subjects**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98167

**Unit Date** 1824-2000 (Includes facsimiles)

**Mixed Materials** 23 (Box)

### **Scope and Contents**

Kemp collected materials on historical subjects. The box includes facsimile books and reports as well as original clippings, correspondence, photographs, book drafts, etc. Subjects include the Wheeling Custom House (also known as West Virginia Independence Hall), Bev Fluty, the Hardy Cross method, Kemp's Muskingum River book and canals of the United States. Highlights include the NRHP nomination for the High Level Bridge in Fairmont, West Virginia. The following items were moved to Map Cabinet 12, Drawer 1 , Folder 1: three engineering drawings (undated), 2) three pages of facsimile photographic prints from investigating old buildings (undated), nine pages of clippings (2013); and one map (2009).

## **Research Materials**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98168

**Unit Date** 1838, 1884-1922, 1999 (Includes facsimiles)

**Mixed Materials** 275 (Box)

### **Scope and Contents**

Kemp maintained research materials on historic building materials and engineering. The box includes facsimile book excerpts and reports. Highlights include an NRHP nomination form for the McFarland House in Martinsburg, West Virginia.

## **Series 1. Research Files -- Building Materials**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97889

**Unit Date** 1829-2002

### **Scope and Contents**

This sub-series includes Kemp's research on building materials, such as cement-based materials and metals. Formats include reports, correspondence, handwritten calculations, brochures, and photographic prints. Significant amounts of the research are facsimiles.

Subjects include flat-slab concrete, concrete in general, natural cement, Portland cement, nails, limestone, lime, and concrete made into building structures shaped like shells.

Research on building materials may also appear in the following series: "Kemp's Professional Writings," "Kemp's Other Professional Activities," and "Oversize Materials." Research on building materials may also appear in the following sub-series within the series "Research Files": "Industrial structures," "Historic buildings," and "Bridges."

## **Hydraulic Cement Research and Photographs of Cement Plants in Maryland, Virginia and West Virginia**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98169

**Unit Date** 1980-1982, 2002, undated (includes facsimiles)

**Mixed Materials** 221 (Box)

### **Scope and Contents**

Kemp researched hydraulic cement and the history of the cement business in preparation for several publications. The box includes a facsimile article, a draft of a presentation script, handwritten notes, slides, lists of slide captions, photographic prints, negatives, and bibliography cards. Subjects include hydraulic cement; the history of the cement business; civil engineering; lime; the Shepherdstown Cement Plant in Shepherdstown, WV; and lime kilns and natural cement mills of Maryland (especially at Pinto, Maryland and Antietam, Maryland). The following oversize items were moved to Box 343: one page of a facsimile book excerpt (undated).

## **Cement and Concrete**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98170

**Unit Date** 1829-2002 (includes facsimiles)

**Mixed Materials** 222 (Box)

### **Scope and Contents**

Kemp maintained research materials about cement and concrete. This box includes reports, clippings, correspondence, and photographic prints. The box also includes facsimiles of the following: book excerpts, clippings, meeting bulletins, handwritten notes, and reports. Subjects include the civil engineer Canvass White, hydraulic cement, lime, mortar, concrete, Portland cement, and the cement industries in New York, Maryland, Virginia, and Pennsylvania (especially Lehigh County). The following oversized item was moved to Box 343: one chart (undated).

## **Cement and Concrete Readings**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98171

**Unit Date** 1871-1910, 1981-1996 (Includes facsimiles)

**Mixed Materials** 223 (Box)

### **Scope and Contents**

Kemp maintained research materials about cement and concrete. This box includes research notecards and his bibliography History of Concrete, 30 B.C. to 1926 A.D.: Annotated. The box also includes facsimile book excerpts and facsimile reports. Subjects include concrete, natural cement, limestone, lime, hydraulic cement, and mortar. Highlights include Thomas Hahn's dissertation, "The Industrial Archeology of the Shepherdstown, West Virginia Site as a Case Study of the Natural Cement Industry of the Upper Potomac Valley."

## **Concrete Structures**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98172

**Unit Date** 1917-1946, 1972-1985 (includes facsimiles)

**Mixed Materials** 225 (Box)

### **Scope and Contents**

Kemp studied a number of aspects of the history of concrete and cement alongside other scholars, and eventually wrote an article, "Design & Construction Documentation for Early Concrete Structures." The box includes his research materials and collaborations with others, including his correspondence, scholarly journal articles, magazine excerpts, a photographic print, pamphlets, technical bulletins, a booklet, and handwritten notes. The box also includes facsimile journal articles. Subjects include ancient concrete structures (especially ancient Roman mortar and concrete), metal reinforcements for concrete, and the history of cement, materials used in building bridges, the American Concrete Institute, and scholar L.G. Mensch. Highlights include correspondence investigating structural damage to West Virginia University's Stewart Hall.

## **Concrete Structures**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98173

**Unit Date** 1905-1931, 1942-2001 and undated (includes facsimiles)

**Mixed Materials** 226 (Box)

### **Scope and Contents**

Kemp maintained research materials about concrete and collaborated on a number of reports about concrete slabs, including the report "Historic Flat Slab Floor System" which he wrote with Fe Hoong Sim. The box includes Kemp's research materials, including correspondence, reports, handwritten notes, newsletters, photographic prints, bibliographies, and scholarly journal articles. The box also includes facsimiles of the following: book excerpts, maps, memorandums, photographic prints, and scholarly journal articles. Subjects include concrete slabs, slab-spandrel torsion, concrete bridges, concrete arch bridges, and preservation of bridges. Highlights include Kemp's HABS field notebook on the Bridgeport Lamp Chimney Company Bowstring Concrete Arch Bridge. The following oversize items

were moved to Map Cabinet 12, Drawer 12, Folder 2: one brochure (undated), three engineering drawings (undated), four sheets of facsimile photographs (undated), and three sheets of clippings (1905-1908).

### **Concrete Systems Trade Catalogues**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98174

**Unit Date** 1885-1919 and undated (includes facsimiles)

**Mixed Materials** 227 (Box)

#### **Scope and Contents**

Kemp maintained trade catalogues about the history of concrete for research purposes. This box includes one original booklet and many facsimile book excerpts. Subjects include concrete, reinforced concrete, companies that patented concrete mixtures, and construction. Highlights include a brochure for the Bush Train Shed at Detroit, Michigan, published in 1914.

### **Reinforced Concrete**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98175

**Unit Date** 1905-1917, 1952-1989, undated (includes facsimiles)

**Mixed Materials** 228 (Box)

#### **Scope and Contents**

Kemp conducted research about and collaborated with students about early concrete flat slab systems and other cement structures. The box includes correspondence, reports, student papers, schedules, bibliographies, engineering drawings and calculation lists. The box also includes facsimiles of the following: handwritten notes, memorandums, minutes, clippings, calculation lists and book excerpts. Subjects include reinforcing concrete, concrete slabs, steel stresses, elasticity, early concrete, and civil engineering.

### **"Schalen USW' (Shells, etc.)"--Studying the Shell Method and Shell Roofs**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98176

**Unit Date** 1952-1972 and undated (includes facsimiles)

**Mixed Materials** 293 (Box)

#### **Scope and Contents**

Kemp participated in the Diploma of Imperial College program as a Fulbright scholar, a system by which he earned a degree from the Imperial College of Science and Technology in London. While there, he studied the mathematical principle of shells, which he later used when constructing a thin-shell roof over a warehouse in Hull, England. The studies of shells were also applicable while he worked under Ove Arup on the design of the Sydney Opera House. This box includes handwritten calculations, reports, photographic prints, correspondence, magazines, and scholarly journal articles. The box also includes facsimile handwritten calculations and facsimile slides. Subjects include shell structures, cylindrical shells, circular cylindrical shells, long and short shells, lattice shells, edge beams, stresses, waves, shell rooves, cement, and concrete. The box was previously called "Schalen USW," or "Shells" in German. The following oversize items were moved to Map Cabinet 12, Drawer 14, Folder 2: Seven engineering drawings (undated), twenty-eight sheets of handwritten calculations (undated), two sheets of a journal article (1957).

### **Historic Preservation Materials**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/98177

**Unit Date** 1970-2000, undated (Includes facsimiles)

**Mixed Materials** 229 (Box)

#### **Scope and Contents**

Kemp maintained research materials on how to preserve historic structures using a variety of materials. The box includes reports, a floppy disk, brochures, proposals, correspondence, newsletters, manuals, clippings, and engineering drawings. The box also includes facsimile photographs, book

excerpts, and clippings. Subjects include historic bridges, arch bridges, timber, concrete, cut nails, construction, and cement and plastics used in restoration materials. The following oversize items were moved to Map Cabinet 12, Drawer 12, Folder 3: seven sheets of brochures (1994-1997 and undated), and one clipping (1996).

## **Series 2. Kemp's Library**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96898

**Unit Date** 1855-2015

### **Scope and Contents**

This series contains the books Kemp donated from his personal library. Subjects include engineering, bridges, canals, railways, the history of science and technology, industrial archaeology, and general history.

Books are also scattered throughout the series "Research Files."

### **Architecture and Engineering**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96899

**Unit Date** ca. 1950-2009

**Mixed Materials** 1 (Box)

### **Scope and Contents**

This box contains the following books:

Peterson, Charles E. The Carpenters' Company of the City and County of Philadelphia 1786 Rule Book. Philadelphia: Bell Publishing Company.

Agricola, Georgius. De Re Metallica. New York: Dover Publications Inc., 1950.

O'Bannon, Patrick. Working in the Dry: Cofferdams, In-River Construction, and the United States Army Corps of Engineers. Pittsburgh, PA: Gray & Pape, Inc., 2009.

Swales, Tom, Joe Marsh. Structural Appraisal of Iron-Framed Textile Mills. Victoria, London: Thomas Melford Company, 1998.

Siegel, Curt. Structure and Form in Modern Architecture. New York: Reinhold Publishing Co., 1962. Dust jacket.

Moore, R. The Universal Assistant, and Complete Mechanic, Containing Over One Million Industrial Facts, Calculations, Receipts, Processes, Trade Secrets, Rules, Business Forms, Legal Items, Etc., in Every Occupation, from the Household to the Manufactory. New York: J.S. Ogilvie & Co., no date (possibly rare).

Ball, Norman R. Professional Engineering in Canada 1887 to 1987. Canada: National Museum of Science and Technology, 1988. Dust jacket.

Cossons, Neil, Jenkins, Martin. Liverpool: Seaport City. England: Ian Allen Printing, 2011. Dust jacket.

Bergeron, Louis, Maria Teresa Maiullari-Pontois. Industry, Architecture, and Engineering. New York: Harry N. Abrams, Inc., 1992 (?). Dust jacket.

Gayle, Margot. Cast-Iron Architecture in New York. New York: Dover Publications, Inc., 1974.

Picon, d 'Antoine. L 'Art de l'ingénieur. Paris: Centre Georges Pompidou, 1997. Dust jacket.

### **Biography**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96900

**Unit Date** ca. 1915-2010

**Mixed Materials** 2 (Box)

### **Scope and Contents**

This box contains the following books:

Morris, Edmund. The Rise of Theodore Roosevelt. New York: Coward, McCann & Geoghegan, Inc., 1979.

Jr., Samuel A. Schreiner. Henry Clay Frick. New York: St. Martin's Press, 1995. Dust jacket.

Bullock, Alan. Hitler and Stalin. New York: Alfred A. Knopf, 1992. Dust jacket.

Longford, Elizabeth. Wellington: The Years of the Sword. New York & Evanston: Harper & Row, Publishers, 1969. Dust jacket.

Aldington, Richard. The Duke. Garden City, New York: Garden City Publishing Co., Inc., 1946. Dust jacket.

FitzSimons, Neal. The Reminiscences of John B. Jervis. Syracuse, New York: Syracuse University Press, 1971. Dust jacket.

McCullough, David. John Adams. New York: Simon & Schuster, 2001. Dust jacket.

Jenkins, Roy. Churchill. New York: Plume, 2001.

The Legacy of Albert Kahn. Detroit, MI: The Detroit Institute of Arts, 1970.

Cotte, Michel. Le Fonds d 'archives Seguin. France: Archives départementales de l'Ardèche, 1997.

Ludwig, Emil. Napoleon. New York: Modern Library, 1915. Dust jacket.

Metaxas, Eric. Bonhoeffer. Nashville, TN: Thomas Nelson, 2010. Dust jacket.

Ward, Irene. F.A.N.Y Invicta. London: Hutchinson & Co., 1955.

Smith, Denis Mack. Mussolini. New York: Albert A Knopf, 1982. Dust jacket.

## **Biography**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96901

**Unit Date** ca. 1955-2004

**Mixed Materials** 3 (Box)

### **Scope and Contents**

This box contains the following books:

Hadfield, Charles, A.W. Skempton. William Jessop, Engineer. Newton Abbot: David & Charles, 1979. Dust jacket.

Mitchell, Joseph. Reminiscences of my Life in the Highlands (1883). Volume I. Newton Abbot: David & Charles, 1971. Dust jacket.

Jenkins, Roy. Franklin Delano Roosevelt. New York: Times Books, 2003. Dust jacket.

Hunter, Robert F., Edwin L. Dooley, Jr. Claudius Crozet. Charlottesville: University Press of Virginia, 1989. Dust jacket.

Warren, Kenneth. Triumphant Capitalism. Pittsburgh: University of Pittsburgh Press, 1996.

Morris, Chris. On Tour with Thomas Telford. Tanners Yard Press, 2004. Dust jacket.

Hamlin, Talbot. Benjamin Henry Latrobe. New York: Oxford University Press, 1955.

Hawke, David Freeman. Paine. New York, Evanston, San Francisco & London: David Freeman Hawke, 1974. Dust jacket.

Pearce, Rhoda M. Thomas Telford. Shire Publications, Ltd., 1972.

Reynaud, Marie-Hélène. Marc Seguin. Editions du Vivarais, no date?

Bode, Harold. James Brindley. Shire Publications, Ltd., 1987.

Jr, Raymond Walters. Albert Gallatin. Pittsburgh: University of Pittsburgh Press, 1969.

Rolt, L.T.C. Thomas Telford. Hammondsworth, England: Penguin Books, 1985.

Tames, Richard. Isambard Kingdom. Shire Publications Ltd., 2004.

Williams, Jack. Merritt. Ontario, Canada: Stonehouse Publications 1985.

Wood, Richard G. Stephen Harriman Long. The Glendale, CA: The Arthur H. Clark Company, 1966.

Adams, John, Paul Elkin. Isambard Kingdom Brunel. Great Britain: Jarrold Colour Publications, 1988.

Smith, Donald J. Robert Stephenson. Shire Publications Ltd., 1973.

Pugsley, Sir Alfred. The Works of Isambard Kingdom Brunel. London: University of Bristol, 1976. Dust jacket.

Seguin, Marc. Chateau De Tournon Sur Rhone. Museum of the Rhone, 1986.

Jenkins, R., H.W. Dickinson. James Watt and the Steam Engine. Ashbourne, England: Moorland Publishing, 1981. Dust jacket.

Rolt, L.T.C. Isambard Kingdom Brunel. Great Britain: Longman Group Ltd., 1971. Dust jacket.

Robinson, Eric, A.E. Musson. James Watt and the Steam Revolution. London: Adams & Dart., 1969. Dust

jacket.

Skempton, A. W., et al. A Biographical Dictionary of Civil Engineers in Great Britain and Ireland. Vol. 1, ser. 1500-1830, Thomas Telford Publishing, 2002. The Institution of Civil Engineers.

### **Biography and Petroleum**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96902

**Unit Date** ca. 1952-2009

**Mixed Materials** 4 (Box)

#### **Scope and Contents**

This box contains the following books:

Deffeyes, Kenneth S. Hubbert's Peak. Princeton & Oxford, Princeton University Press, 2001. Dust jacket.

Morritt, Hope. Rivers of Oil. Ontario: Quarry Press, 1993.

Gray, Earle. Ontario's Petroleum Legacy: The Birth, Evolution, and Challenges of a Global Industry. Ontario: Heritage Community Foundation, 2008.

Thirty-Eighth Annual Conference, November 3-5, 1999. Ontario: Ontario Petroleum Institute Inc., 1999.

Rubin, Jeff. Why Your World is about to Get a Whole Lot Smaller. Canada: Random House, 2009. Dust jacket.

Roberts, Paul. The End of Oil. New York & Boston: Houghton Mifflin Company, 2004. Dust jacket.

Heinberg, Richard. The Party's Over. Canada: New Society Publishers, 2003.

Taylor, Robert Lewis. Winston Churchill. Garden City, New York. Doubleday & Company, 1952. Dust jacket.

Jones, Peter. Ove Arup. New Haven & London: Yale University Press, 2006. Dust jacket.

Moran, Lord. Churchill. Boston: Houghton Mifflin Company, 1966. Dust jacket.

Brantly, J.E. History of Oil Well Drilling. Houston, Texas: Gulf Publishing Company, 1971.

Gray, Earle. The Great Canadian Oil Patch. Second Edition. Canada: June Warren Publishing, note date.

Marszalek, John F. Sherman: a Soldier's Passion for Order. New York: The Free Press, 1993. Dust jacket.

### **Bridges**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96903

**Unit Date** ca. 1901-2015

**Mixed Materials** 5 (Box)

#### **Scope and Contents**

This box contains the following books:

Watson, Wilbur J. Bridge Architecture. New York: William Helburn Inc., 1927.

Leonhardt, Fritz. Bridges: Aesthetics and Design. Cambridge, MA: The MIT Press, 1984. Dust jacket.

Wilson, Todd, Helen Wilson. Pittsburgh's Bridges. Charleston, SC: Arcadia Publishing, 2015.

Billington, David P. Robert Maillart and the Art of Reinforced Concrete. Cambridge, MA: The MIT Press, 1990. Dust jacket.

Ruddock, Ted. Arch Bridges and Their Builders. Cambridge, New York, Melbourne & London: Cambridge University Press, 1979. Dust jacket.

Plowden, David. Bridges: The Spans of North America. New York: The Viking Press, 1974. Dust jacket.

Scott, Quinta. Howard S. Miller. The Eads Bridge. London & Columbia: University of Missouri Press, 1979. Dust jacket.

Graton, Milton S. The Last of the Covered Bridge Builders. Plymouth, NH: Clifford-Nicol Inc., 1980. Dust jacket.

Openo, Woodard D. The Sarah Mildred Long Bridge. Portsmouth, NH: Peter E. Randall Publisher, 1988. Dust jacket.

American Bridge Company: Standards for Structural Details. Engineering Department of Pittsburgh & Lake Erie, 1901.

Allen, Richard Sanders. Covered Bridges of the South. New York: Bonanza Books. Dust jacket.

Allen, Richard Sanders. Covered Bridges of the Middle West. New York: Bonanza Books. Dust jacket.

Cleary, Richard L. Bridges. New York & London: W.W. Norton & Company, 2007. Dust jacket.

Wittfoht, Hans. Building Bridges. Dusseldorf: Beton-Verlag, 1984.

DeLony, Eric. Landmark American Bridges. New York: American Society of Civil Engineers, 1990. Dust jacket.

Author Unknown. Bridges and Quays of Leningrad. 1991. Book is entirely in Russian, unable gather more information.

Koncza, Louis. The Movable Bridges of Chicago. Chicago: Department of Public Works, Bureau of Engineering, 1977.

O'Connor, Colin. Spanning Two Centuries. St. Lucia, London & New York: University of Queensland Press, 1985. Dust jacket.

Nelson, Lee H. The Colossus of 1812: An American Engineering Superlative. New York: American Society of Civil Engineers, 1990.

Caplinger, Michael W. Bridges over Time. Morgantown: Eberly College of Arts & Sciences, 1997.

## **Bridges**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96904

**Unit Date** ca. 1951-2008

**Mixed Materials** 6 (Box)

### **Scope and Contents**

This box contains the following books:

Kingdom, A.R. Brunel's Royal Albert Bridge. Newton Abbot: Ark Publications, 2006.

Monroe, Elizabeth Brand. The Wheeling Bridge Case. Boston: Northeastern University Press, 1992.

McCullough, David. The Great Bridge. New York: Simon and Schuster, 1972. Dust jacket.

Zee, John van der. The Gate. New York: Simon and Schuster, 1986.

Elton, Julia. Bridges Docks and Harbours. London: B. Weinreb Architectural Books, 1982.

Regan, Bob. The Bridges of Pittsburgh. Pittsburgh, PA: The Local History Company, 2006.

Zacher, Susan M. The Covered Bridges of Pennsylvania. Harrisburg, Pennsylvania Historical and Museum Commission, 1982.

Standard Specifications for Highway Bridges. Washington, D.C.: Association General Offices, 1969.

McCreath, W.L.A., B. Arthur. A History of the Tweed Bridges Trust. Tweed Bridges Trust, no date.

Graham, Frank. The Bridges of Northumberland and Durham. Graham, 1975.

Rosenberg, Nathan, Walter G. Vincenti. The Britannia Bridge: The Generation and Diffusion of Technological Knowledge. Cambridge, MA: The MIT Press, 1978. Dust jacket.

Hopkins, H.J. A Span of Bridges. Newton Abbot: David & Charles, 1970.

Road Bridges in Great Britain. London: Concrete Publications, 1951.

Jackson, Donald C. Great American Bridges and Dams. Washington, D.C.: The Preservation Press, 1988.

Richards, J.M. The National Trust Book of Bridges. London: Jonathan Cape, 1984. Dust jacket.

Allen, Richard Sanders. Covered Bridges of the Middle Atlantic States. Brattleboro, Vermont: The Stephen Greene Press, 1959. Dust Jacket.

Billington, David P. Robert Maillart's Bridges. Princeton, NJ: Princeton University Press, 1979. Dust jacket.

Allen, Richard Sanders. Covered Bridges of the Northeast. Brattleboro, VT: The Stephen Greene Press, 1957.

Boyer, Marjorie Nice. Medieval French Bridges. Cambridge, MA: The Mediaeval Academy of America, 1976.

Billington, David P. The Tower and the Bridge. New York: Basic Books, Inc., 1983. Dust jacket.

Whitney, Charles S. Bridges: Their Art, Science & Evolution. New York: Crown Publishers, Inc., 1983. Dust jacket.

Hadlow, Robert W. *Elegant Arches, Soaring Spans*. Corvallis: Oregon State University Press, 2001.

Body, Geoffrey. *Clifton Suspension Bridge*. Moonraker Press, 1976.

Hague, Douglas B. *Conway Suspension Bridge*. England: The Curwen Press, no date.

Scott, Alistair. *Bridges in Moray*. Moray Field Club.

Paxton, Roland, Ted Ruddock. *A Heritage of Bridges between Edinburgh, Kelso and Berwick*. Edinburgh: Dryden Printing Co., no date.

Shank, William H. *Historic Bridges of Pennsylvania*. York, PA: American Canal & Transportation Center, 1980.

Jacobs, David, Anthony E. Neville. *Bridges, Canals & Tunnels*. New York: American Heritage Publishing, 1968. Dust jacket.

Trachtenberg, Alan. *Brooklyn Bridge*. Chicago & London: The University of Chicago Press, 1965.

Yi-Sheng, Mao. *Bridges in China*. Peking: Foreign Languages Press, 1978.

Lewis, Paul E. *Niagara's Gorge Bridges*. St Catharine's: ON: Looking Back Press, 2008.

Peters, Tom F. *Transitions in Engineering*. Boston: Birkhauser Verlag Basel, 1987. Dust jacket.

## **Canals**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96905

**Unit Date** ca. 1966-2014

**Mixed Materials** 7 (Box)

### **Scope and Contents**

This box contains the following books:

Bartholomew, Ann. *Delaware and Lehigh Canals*. Easton, PA: Center for Canal History and Technology, 1989. Dust jacket.

Jr., William J. McKelvey. *The Delaware & Raritan Canal*. York, PA: Canal Press Incorporated, 1975. Dust jacket.

*Chesapeake and Ohio Canal: A Guide to Chesapeake and Ohio Canal National Historical Park Maryland, District of Columbia and West Virginia*. Handbook 142. Washington, D.C.: U.S. Department of the Interior, 1991.

Ways, Harry C. *The Washington Aqueduct 1852-1992*. Baltimore, MD: US Army Corps of Engineers, 1972.

Sutphin, Gerald W. Richard A. Andre. *Sternwheelers on the Great Kanawha River*. 1991. Dust jacket.

Cossons, Neil, Barrie Trinder. *The Iron Bridge*. Phillimore & Co., 2002. Dust jacket.

Sirna, Angela. *From Canal Boats to Canoes: The Transformation of the C&O Canal, 1938-1942*. Morgantown, WV: Department of History, 2011.

McCullough, Robert. Walter Leuba. *The Pennsylvania Main Line Canal*. York, PA: The American Canal and Transportation Center, 1973.

Johnson, Leland R. *The Davis Island Lock and Dam 1870-1922*. Pittsburgh, PA: U.S. Army Engineer District, 1985.

Arnold, Joseph L. *The Evolution of the 1936 Flood Control Act*. Fort Belvoir, VA: Office of History, 1988.

Parton, W. Julian. *The Death of a Great Company*. Easton, PA: Canal History and Technology Press, 1986.

Gray, Ralph D. *The National Waterway*. Second Edition. Urbana & Chicago: The University of Illinois Press, 1989.

*Engineering the Panama Canal: A Centennial Retrospective*. Panama City, Panama: American Society of Civil Engineers, 2014.

Woods, Terry K. *The Ohio and Erie Canal*. Kent, London & England: The Kent State University Press, 1995.

Rolt, L.T.C. *Navigable Waterways*. London: Arrow Books, 1969.

Ogilvie, Philip Woodworth. *Images of America along the Potomac*. Charleston, SC: Arcadia Publishing, 2000.

Hadfield, Charles. *The Canal Age*. New York & Washington: Frederick A. Praeger, 1968. Dust jacket.

Gilbert, Joan. *Gateway to the Coalfields: The Upper Grand Section of the Lehigh Canal*. Easton, PA: Canal History and Technology Press, 2005.

Morgan-Grenville, Gerard. *Holiday Cruising in France*. Newton Abbot: David & Charles, 1972. Dust jacket.  
Shaw, Ronald E. *Erie Water West*. Lexington, KY: University Press of Kentucky, 1966.  
Gamble, J. Mack. *Steamboats on the Muskingum*. Staten Island, NY: The Steamship Historical Society of America. Dust jacket.

## **Canals and Waterways**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96906

**Unit Date** 1928-1994

**Mixed Materials** 8 (Box)

### **Scope and Contents**

This box contains the following books:

United States. National Park Service. Division of Publications. *Chesapeake and Ohio Canal: A Guide to Chesapeake and Ohio Canal National Historical Park, Maryland, District of Columbia, and West Virginia*. Division of Publications, National Park Service, U.S. Department of the Interior, 1991.

Guillaume André. *The Age of Water: The Urban Environment in the North of France, A.D. 300-1800*. Texas A & M University Press, 1988.

Legget, Robert Ferguson. *Ottawa River Canals and the Defense of British North America*. University of Toronto Press, 1988.

Le Roy, Edwin D. *The Delaware & Hudson Canal and its [Sic] Gravity Railroads: A History*. Wayne County Historical Society, 1980.

Blake, Nelson Manfred. *Water for the Cities: A History of the Urban Water Supply Problem in the United States*. Syracuse Univ. Press, 1956.

Rosen, Howard, et al. *Water and the City: The Next Century*. Public Works Historical Society, 1991.

Schnitter, N. *A History of Dams: The Useful Pyramids*. Balkema, 1994.

Larkin, F. Daniel. *John B. Jervis, an American Engineering Pioneer*. 1st ed., Iowa State University Press, 1990.

Legget, Robert Ferguson. *Rideau Waterway*. Rev. ed., University of Toronto Press, 1972.

Legget, Robert Ferguson. *Rideau Waterway*. 2nd ed., University of Toronto Press, 1986.

Priestley, Joseph. *Priestley's Navigable Rivers and Canals: A Reprint of the Historical Account of the Navigable Rivers, Canals and Railways throughout Great Britain*. David & Charles, 1969.

Hadfield, Charles. *British Canals: An Illustrated History*. 6th ed., David & Charles, 1979.

Hahn, Thomas F. *Chesapeake and Ohio Canal: Old Picture Album*. 5th printing. ed., American Canal & Transportation Center, 1989.

Fitz Water Wheel Company. *Fitz Steel Overshoot Water Wheels*. 1928.

## **Engineering**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96907

**Unit Date** ca. 1860-1971

**Mixed Materials** 9 (Box)

### **Scope and Contents**

This box contains the following books:

Fox, Charles. *An Introduction to the Calculus of Variations*. London: Oxford University Press, 1954. Dust jacket.

Keep, William J. *Cast Iron: A Record of Original Research*. First Edition. New York: John Wiley & Sons. London: Chapman & Hall, 1902.

Wlassow, W.S. *Allgemeine Schalentheorie und ihre Anwendung in der Technik*. Berlin: Akademie-Verlag, 1958.

Southwell, R.V. *Relaxation Methods in Engineering Science*. Oxford University Press, 1951. Dust jacket.

Mills, G.M. *The Yield-Line Theory: A Programmed Text for Reinforced Concrete Slabs*. London: Concrete Publications, 1970.

Smith, Norman. A History of Dams. Secaucus, New Jersey: The Citadel Press, 1971.

Phillips, H.B. Differential Equations. New York: John Wiley & Sons. London: Chapman & Hall, 1953.

Shedd, Thomas Clark., Jamison Vawter. Theory of Simple Structures. New York: John Wiley & Sons Inc., 1957.

Trautwine, John C., Jr., John C. Trautwine. The Civil Engineer's Reference-Book. Ithaca, New York: Trautwine Company, 1937.

McCullough, David. The Path between the Seas: The Creation of the Panama Canal 1870-1914. New York: Simon and Schuster, 1977. Dust jacket.

Heck, Robert C.H. The Steam-Engine and other Steam-Motors. Volume Two. New York: D. Van Nostrand Company, 1913.

Compiled by a Staff of Specialists. Movable and Long-Span Steel Bridges. Edited by George A. Hool & W.S. Kinne. Second Edition. New York and London: McGraw-Hill Book Company, Inc., 1943.

Wood, R.H. Plastic and Elastic Design of Slabs and Plates. London: Thames and Hudson, 1961.

Engravings of Plans, Profiles and Maps, Illustrating the Standard Models, From Which are Built the Important Structures on the New York State Canals, Accompanying the Annual Report of the State Engineer and Surveyor on the Canals for 1859. Albany: Charles van Benthuyzen, 1860.

Yitzhaki, David. The Design of Prismatic and Cylindrical Shell Roofs. Haifa, Israel: Haifa Science Publishers, 1958.

Report of the Superintendent of Public Works on the Canals of the State for the Year Ended June 30, 1919 and on the Trade and Tonnage of the Canals for the Year 1919. Albany: J.B. Lyon Company, 1920.

Kemp, E.L. An Investigation of Prestressed Concrete Knee Joints: A thesis submitted for the Degree of Master of Science in the Faculty of Engineering of the University of London. Imperial College: 1957.

American Civil Engineers' Handbook. New York: John Wiley & Sons, Inc., 1930.

## History

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96908

**Unit Date** ca. 1938-1991

**Mixed Materials** 10 (Box)

## Scope and Contents

This box contains the following books:

Dubbey, J.M. The Mathematical Work of Charles Babbage. New York, London & Melbourne: Cambridge University Press, 1978. Dust jacket.

Lord, Walter. The Good Years. New York: Harper & Brothers, 1960. Dust jacket.

Royster, Charles. The Destructive War. New York: Alfred A. Knopf, 1991. Dust jacket.

Dickinson, H.W. A Short History of the Steam Engine. Cambridge: University Press, 1938.

Mumford, Lewis. The City in History: Its Origins, Its Transformations, and Its Prospects. New York: Harcourt, Brace & World, Inc., 1961.

Wells, H.G. Symposium of Opinions upon the Outline of History. Third Edition. New York: The National Civic Federation, no date.

Devine, T. M. The Scottish Nation. The Penguin Group, 1999.

Philbrick, Nathaniel. Mayflower: A Story of Courage, Community, and War. Penguin Group, 2006.

Bunker, Nick. Making Haste from Babylon. Alfred A. Knopf, 2010.

Tillich, Paul. A History of Christian Thought: From Its Judaic and Hellenistic Origins to Existentialism. Edited by Carl E. Braaten, Simon and Schuster, 1972.

Dickens, Charles. American Notes for General Circulation. Edited by Patricia Ingham, Penguin Books, 2000.

## History

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96909

**Unit Date** ca. 1926-2013

**Mixed Materials** 11 (Box)

### Scope and Contents

This box contains the following books:

McCord, Norman. The Short Oxford History of the Modern World: British History 1815-1906. Oxford University Press, 1991.

Hobsbawm, E.J. Industry and Empire. Volume 3. Pelican Books, 1974.

Butterfield, Herbert. The Whig Interpretation of History. Pelican Books, 1973.

Muller, Herbert. The Uses of the Past. New York & Toronto: Oxford University Press, 1952.

Hobsbawm, E.J. The Age of Capital 1848-1875. Great Britain: Cox & Wyman Ltd, 1984.

Briggs, Asa. The Making of Modern England 1783-1867: The Age of Improvement. New York: Harper & Row, 1965.

Jones, J.R. The Revolution of 1688 in England. New York & London: W.W. Norton & Company, 1972.

Acton, Lord. Lectures on Modern History. New York: Meridian Books, Inc., 1961.

Young, G.M. Victorian England. New York, London & Toronto: Geoffrey Cumberlege, 1949.

Roberts, Robert. The Classic Slum. Penguin Books, 1971.

Carr, E.H. What is History? Penguin Books, 1961.

Pierson, George Wilson. Tocqueville in America. Garden City, New York: Doubleday & Company, Inc., 1959.

Snow, C.P. The Two Cultures and A Second Look. Cambridge University Press, 1969.

Clark, G. Kitson. The Making of Victorian England. New York: Atheneum, 1971.

Hobsbawm, E.J. The Age of Revolution. London: Sphere Books, 1962.

Lewis, Ronald L. Aspiring to Greatness: West Virginia University since World War II. Morgantown: West Virginia University Press, 2013. Dust jacket.

Briggs, Asa. Victorian Cities. New York & Evanston: Harper & Row Publishers, 1970.

Steegman, John. Victorian Taste. Cambridge, MA: The M.I.T. Press, 1971.

Harrison, John F.C. The Harbrace History of England. The Birth and Growth of Industrial England. New York, Chicago, San Francisco & Atlanta: Harcourt Brace Jovanovich, Inc., 1973.

Trevelyan, George Macaulay. History of England. New York, Toronto, Bombay, Calcutta & Madras: Longmans, Green and Co., 1926.

Kranzberg, Melvin, Carroll W. Pursell. Technology in Western Civilization. Volume 1 & 2. New York: Oxford University Press, 1967.

## History of Science and Technology

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96910

**Unit Date** ca. 1956-2005

**Mixed Materials** 12 (Box)

### Scope and Contents

This box contains the following books:

Landels, J.G. Engineering in the Ancient World. Berkeley & Los Angeles. University of California Press, 1978. Dust jacket.

Lindsay, Jack. Blast-Power and Ballistics. New York: Barnes & Noble, 1974. Dust jacket.

Teich, Albert H. Technology and the Future. Fourth Edition. New York: St. Martin's Press, 1986.

Bergeron, Louis. Le Creusot. Paris: Belin-Herscher, 2001.

Kirby, Richard Shelton, Sidney Withington, Arthur Burr Darling, Frederick Gridley Kilgour. Engineering in History. New York, Toronto & London: McGraw-Hill Book Company, Inc., 1956.

Hartley, E.N. Ironworks on the Saugus. Norman; University of Oklahoma Press, 1971.

Timoshenko, Stephen, P. History of Strength of Materials. New York: Dover Publications, Inc., 1983.

Hall, Rupert A. From Galileo to Newton. New York: Dover Publications, Inc., 1981.

Burstall, Aubrey F. A History of Mechanical Engineering. London: Faber and Faber, 1963.

Jr., Howard Newlon. A Selection of Historic American Papers on Concrete 1876-1926. Detroit: American Concrete Institute, 1976.

Bud, Robert, Nicholas Wyatt, Janet Carding, Timothy Boon. Guide to the History of Technology in Europe. London: Trustees of the Science Museum, 1992.

Russell, C.A, D.C. Goodman. Science and the Rise of Technology since 1800. The Open University, 1972.

Butterfield, Herbert. The Origins of Modern Science. New York: The Free Press, 1965.

The Civil Engineer: His Origins. New York: American Society of Civil Engineers, 1970.

Francis, A.J. The Cement Industry. Newton Abbot, London, North Pomfret & Vancouver: David & Charles, 1978. Dust jacket.

Bernal, J.D. Science in History. Volume 2. Penguin Books, 1969.

Habakkuk, H.J. American and British Technology in the Nineteenth Century. Cambridge: University Press, 1967.

Drake, Stillman, I.E. Drabkin. Mechanics in Sixteenth-Century Italy. Madison, Milwaukee & London: The University of Wisconsin Press, 1969. Dust jacket.

Scott, John S. A Dictionary of Civil Engineering. Australia: Penguin Books, 1958.

Jr., William E. Worthington. Scene by the Engineer: Remarkable Prints from the Smithsonian's National Museum of American History. Public Works Historical Society, 2005.

Schubert, Frank N. The Nation Builders. Fort Belvoir, VA: United States Army Corps of Engineers, 1988.

Florman, Samuel C. The Civilized Engineer. New York: St. Martin's Press, 1987.

Bobrick, Benson. Parsons Brinckerhoff: The First 100 Years. New York: Van Nostrand Reinhold Company, 1985. Dust jacket and case.

Jacoby, Henry S., and Ronald P. Davis. Timber Design and Construction. 2nd ed., John Wiley & Sons, Inc., 1947.

## **History of Science and Technology**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96911

**Unit Date** ca. 1959-1992

**Mixed Materials** 13 (Box)

### **Scope and Contents**

This box contains the following books:

Donovan, A.L. Philosophical Chemistry in the Scottish Enlightenment: The Doctrines and Discoveries of William Cullen and Joseph Black. Edinburgh: The University Press, 1975. Dust Jacket.

Cardwell, D.S.L. Turning Points in Western Technology. Canton, MA: Science History Publications/USA, 1991.

Jr., Arthur M. Schlesinger. The Age of Jackson. New York: The American Past, 1989. Dust Jacket and case.

Bridge, Victoria. Le Pont Victoria: Un Lien Vital. McCord Museum of Canadian History, 1992.

Diderot, Denis. A Diderot Pictorial Encyclopedia of Trades and Industry. Volumes I and II. New York: Dover Publications Inc., 1959. Both with dust jackets.

Klemm, Friedrich. A History of Western Technology. Cambridge, Massachusetts: The M.I.T. Press, 1975.

Kingery, R.A., R.D. Berg, E.H. Schillinger. Men and Ideas in Engineering. Urbana, Chicago & London: The University of Illinois Press, 1967. Dust Jacket.

Stewart, Larry. The Rise of Public Science: Rhetoric, Technology, and Natural Philosophy in Newtonian Britain, 1660-1750. New York: Cambridge University Press, 1992. Dust Jacket.

Charlton, T.M. A History of Theory of Structures in the Nineteenth Century. Cambridge, London, New York, New Rochelle, Melbourne & Sydney: Cambridge University Press, 1982. Dust jacket.

Rolt, L.T.C., Allen, J.S. The Steam Engine of Thomas Newcomen. New York: Science History Publications/USA, 1977. Dust jacket.

Beckett, Derrick. Brunel's Britain. Newton Abbot, London & North Pomfret: David & Charles, no date. Dust jacket.

Condit, Carl W. American Building Art: The Nineteenth Century. New York: Oxford University Press, 1960.

Condit, Carl W. American Building Art: The Twentieth Century. New York: Oxford University Press, 1961.

## **Industrial Archaeology**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96912

**Unit Date** ca. 1966-2009

**Mixed Materials** 15 (Box)

### **Scope and Contents**

This box contains the following books:

Pannell, J.P.M. Techniques of Industrial Archaeology. Newton Abbot: David & Charles, 1966. Dust jacket.

Howe, Dennis E. The Industrial Archeology of a Rosendale Cement Works at Whiteport. New York: Whiteport Press, 2009.

Toynbee, Arnold. The Industrial Revolution. Boston: Bacon Press, 1968.

The Industrial Revolution in England. Edited by Brian & Kagan, Donald & Williams, L Pearce. New York: Random House Inc., 1967.

Ashton, T.S. The Industrial Revolution 1760-1830. Oxford: Oxford University Press, 1977.

Buchanan, Angus. Neil Cossons. Industrial History in Pictures: Bristol. Newton Abbot: David & Charles, 1970. Dust jacket.

Laughlin, Robert W.M., Mellissa C. Jurgensen. Kentucky's Covered Bridges. Charleston, SC: Arcadia Publishing, 2007.

Jr., Stephen J. Shaluta. Covered Bridges in West Virginia. Charleston, WV: Quarrier Press, 2004. Signed by author.

Hudson, Kenneth. World Industrial Archaeology. Cambridge, London, New York & Melbourne: Cambridge University Press, 1979.

Price, James W.A. The Industrial Archaeology of the Lune Valley. Lancaster: University of Lancaster, 1983.

Greenhill, Ralph, Diane Newell. Survivals: Aspects of Industrial Archaeology in Ontario. The Boston Mills Press, 1989. Dust jacket.

Raistrick, Arthur. Industrial Archaeology. London: Eyre Methuen, 1972. Dust jacket.

Bartholomew, Craig L., Metz, Lance E. The Anthracite Iron Industry of the Lehigh Valley. Easton, PA: Center for Canal History and Technology, 1988.

Butt, John, Ian Donnachie. Industrial Archaeology. New York: Harper & Row Publishers, Inc., 1979. Dust jacket.

Major, J. Kenneth. Fieldwork in Industrial Archaeology. London & Sydney: B.T. Batsford Ltd., 1975.

Harris, Helen. The Industrial Archaeology of the Peak District. Newton Abbot: David & Charles, 1971. Dust jacket.

Booker, Frank. Industrial Archaeology of the Tamar Valley. Newton Abbot: David & Charles, 1971. Dust jacket.

Hudson, Kenneth. Industrial Archaeology. London: John Baker Publishers, Ltd., 1963.

35th Anniversary World Guide to Covered Bridges. NSPCB World Guide Steering Committee, 1989.

Hudson, K., N. Cossons. Industrial Archaeologist's Guide 1969-70. Newton Abbot: David & Charles, 1969.

Buchanan, R.A. Industrial Archaeology in Britain. Penguin Books, no date.

Singer, Charles, et al. A History of Technology. I, Oxford University Press, 1958.

Singer, Charles, et al. A History of Technology. II, Oxford University Press, 1958.

Singer, Charles, et al. A History of Technology. III, Oxford University Press, 1958.

Singer, Charles, et al. A History of Technology. IV, Oxford University Press, 1958.

Singer, Charles, et al. A History of Technology. V, Oxford University Press, 1958.

## **Industrial History**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96913

**Unit Date** ca. 1933-2008

**Mixed Materials** 14 (Box)

### **Scope and Contents**

This box contains the following books:

Carter, Edward C. The Engineering Drawings of Benjamin Henry Latrobe. Series II. New Haven & London: Yale University Press, 1980. Dust jacket.

Cornell, Elias. Byggnads Tekniken. Stellan Ståls trckerier, 1970. Dust jacket.

Condit, Carl W. Chicago. Chicago & London: University of Chicago Press, 1973. Dust jacket.

Cement Industry. Washington: Government Printing Office, 1933.

Burton, Anthony. Our Industrial Past. London: George Philip, 1983. Dust jacket.

Cox, R.C., M.H. Gould. Civil Engineering Heritage Ireland. London: Thomas Telford Publications, 1998.

Lindberg, David C. The Beginnings of Western Science. Chicago: The University of Chicago Press, 1992.

Contributions from the Museum of History and Technology: Papers 69-72 on Technology. Washington, D.C.: Smithsonian Institution, 1968.

Wolensky, Robert P., Joseph M. Keating. Tragedy at Avondale. Easton, PA: Canal History and Technology Press, 2008.

Campion, Joan. Smokestacks and Black Diamonds. Easton, PA: Canal History and Technology Press, 1997.

Bracegirdle, Brian. The Archaeology of the Industrial Revolution. Great Britain, Fairleigh University Press, 1973. Dust Jacket.

Unwin, Richard J. James Watt: Pioneer of the Machine Age. Manchester: R.J. Unwin, 1991.

Jubileumbok, En, Thomas Heinemann. Universitetshuset i Uppsala 1887-1987. Stockholm: Uppsala Universitet, 1987. Dust jacket.

Lankton, Larry D., Charles K. Hyde. Old Reliable. Hancock, MI: The Quincy Mine Hoist Association, Inc., 1982.

## **Miscellaneous**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96914

**Unit Date** 1883, 1976

**Mixed Materials** 16 (Box)

### **Scope and Contents**

This box contains the following books:

Pangborn, J.G. Picturesque B. and O. Historical and Descriptive. Chicago: Knight and Leonard, 1883.

Asher & Adams Pictorial Album of American Industry. New York: Rutledge Book, 1976.

## **Miscellaneous**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96915

**Unit Date** ca. 1897-2007

**Mixed Materials** 17 (Box)

### **Scope and Contents**

This box contains the following books:

Sanchez-Saavedra, E.M. A Description of the Country: Virginia's Cartographers and Their Maps 1607-1881. Richmond: Virginia State Library, 1975.

Paxton, Roland. Jim Shipway. Civil Engineering Heritage: Scotland Lowlands and Borders. London: Royal Commission on the Ancient and Historical Monuments of Scotland, 2007.

Paxton, Roland. Jim Shipway. Civil Engineering Heritage: Scotland Highlands and Islands. London: Royal

Commission on the Ancient and Historical Monuments of Scotland, 2007.

Hansell, Norris. Josiah White Quaker Entrepreneur. Easton, PA: Canal History and Technology Press, 1992.

Science and Engineering. The Open University, 1973.

Garrigan, Kristine Ottesen. Ruskin on Architecture. Madison, WI: The University of Wisconsin Press, 1973. Dust jacket.

Foster, Wolcott C. A Treatise on Wooden Trestle Bridges According to the Present Practice on American Railroads. New York: John Wiley & Sons, 1897.

Mark, Robert. Experiments in Gothic Structure. London: MIT Press, 1985.

Marshall, Paul D. Blaker Mill: Relocation and Restoration. No Publication information, possibly self-published.

Jayne, Frederick Maxwell. The Iron and Steel Industry of the Far West. University of California, 1934. Improvement of Rivers and Harbors. Washington: U.S. Government Printing Office, 1972.

Walker, Paul K. Engineers of Independence A Documentary History of the Army Engineers in the American Revolution, 1775-1783. Washington D.C.: U.S. Government Printing Office, no date.

Sackheim, David E. Historic American Engineering Record Catalog 1976. Washington, D.C.: U.S. Government Printing Office, 1976.

Mechanical Engineers in American Born Prior to 1861: A Biographical Dictionary. New York: The American Society of Mechanical Engineers, 1980.

Schulze, Franz, Kevin Harrington. Chicago's Famous Bridges. Fourth Edition. Chicago & London: The University of Chicago Press, 1993.

Gibbins, H. De B. Industry in England. New York: Charles Scribner's Sons, 1906.

Aston, James, Edward B. Story. Wrought Iron. Third Edition. Pittsburgh: A.M. Byers Company, 1956.

Latimer, Margaret. Two Cities. New York: Brooklyn Educational & Cultural Alliance, 1983.

Danson, Edwin. Drawing the Line. New York: John Wiley & Sons, Inc., 2001. Dust jacket.

Layton, Edwin T. From Rule of Thumb to Scientific Engineering: James B. Francis and The Invention of the Francis Turbine. University of Minnesota, 1992.

Condit, Carl W. American Building. Chicago & London: The University of Chicago Press, 1968.

Amtrak's High Speed Rail Program: New Haven to Boston. Rhode Island: The Public Archaeology Laboratory, Inc., 2001.

Svensen, Carl Lars, Edgar Greer Shelton. Architectural Drafting. New York: D. Van Nostrand Company, Inc., 1929.

Pevsner, Nikolaus. An Outline of European Architecture. England: Penguin Books, 1943.

Eno, Frank Harvey. Geological Survey of Ohio: The Uses of Hydraulic Cement. Columbus, Ohio: 1904. Two copies.

Bleininger, Albert Victor. The Manufacture of Hydraulic Cements. Columbus, Ohio: 1904.

Harris, Robert. Enigma. Arrow Books, 2001.

## **Railways**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96916

**Unit Date** ca. 1855-2001

**Mixed Materials** 18 (Box)

### **Scope and Contents**

This box contains the following books:

Perkin, Harold. The Age of the Railway. Newton Abbot: David & Charles, 1971. Dust jacket.

Jr., John H. White. A History of the American Locomotive: It's Development: 1830-1880. New York: Dover Publications, Inc., 1968.

Reed, M.C. Railways in the Victorian Economy. Newton Abbot: David & Charles, 1969.

Lewis, M.J.T. Early Wooden Railways. London: Routledge & Kegan Paul, 1970.

Greggio, Luciano. Steam Locomotives. New York: Crescent Books, 1985.

Chrimes, Michael M., Mary K. Murphy, George Ribeill. Mackenzie-Giant of the Railways. Railtrack, no date.

Jackson, Robert W. Rails across the Mississippi. Urbana and Chicago: University of Illinois Press, 2001. Dust jacket.

Gillespie, W.M. A Manual of the Principles and Practice of Road-Making: Comprising the Location, Construction, and Improvement of Roads, and Rail-Roads. New York: A.S. Barnes & Co., 1855.

Coleman, Terry. The Railway Navvies. London: Penguin Books, 1968.

Jr., John H. White. The John Bull. Washington D.C.: Smithsonian Institution Press, 1981.

Darby, Michael. Early Railway Prints. London: Her Majesty's Stationery Office, 1979.

Booker, Frank. The Great Western Railway. Newton Abbot, London, North Pomfret (VT) & Vancouver: David & Charles, 1977. Dust jacket.

Stover, John F. History of the Baltimore and Ohio Railroad. West Lafayette, Indiana: Purdue University Press, 1987. Dust jacket.

Morgan, Bryan. Railways: Civil Engineering. London: Arrow Books, 1971.

Morgan, Bryan. Civil Engineering: Railways. London: Longman Group, 1971. Dust jacket.

Jr., Herbert H. Harwood. Impossible Challenge. Baltimore, MD: Barnard, Roberts & Co., Inc., 1979. Dust jacket.

Dilts, James D. The Great Road. Stanford, California: Stanford University Press, 1993. Dust jacket.

## **Railways**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96917

**Unit Date** ca. 1964-2007

**Mixed Materials** 19 (Box)

### **Scope and Contents**

This box contains the following books:

Jones, Dwight. Caboose. Lynchburg, Virginia: TLC Publishing Inc., 1998.

Withers, Bob. The Baltimore and Ohio Railroad in West Virginia. Charleston, SC: Arcadia Publishing, 2007.

MacKay, Donald, Lorne Perry. Train Country. Vancouver and Toronto: Douglas & McIntyre, 1994. Dust jacket.

The United States Naval Railway Batteries in France. Washington, D.C.: Naval Historical Center, 1988.

Jr., John H. White. Early American Locomotives with 147 Engravings. New York: Dover Publications, INC., 1972.

Diehl, Lorraine B. The Late, Great Pennsylvania Station. New York: American Heritage, 1985. Dust jacket.

McNeel, William Price. The Durban Route. Charleston, WV: Pictorial Histories Publishing Company, 1985.

Sheppard, Charles. Railway Stations. New York: Todtri, 1996. Dust jacket.

Wilson, William Hasell. The Columbia-Philadelphia and its Successor. York, PA: American Canal & Transportation Center, 1985.

Herr, Kincaid A. Louisville & Nashville Railroad. Louisville, KY: Public Relations Department, 1964. Dust jacket.

Phillips, Lance. Yonder Comes the Train. New York: A.S. Barnes and Co., 1965. Dust jacket.

Alexander, Edwin P. The Pennsylvania Railroad. New York: Bonanza Books. Dust jacket.

Abdill, George. A Locomotive Engineer's Album. New York: Bonanza Books, no date. Dust jacket.

Jacobs, Timothy. The History of the Baltimore & Ohio: America's First Railroad. New York: Crescent Books, 1989. Dust jacket.

Hilton, George W. American Narrow Gauge Railroads. Stanford, California: Stanford University Press, 1990. Dust jacket.

## **Warfare**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96918

**Unit Date** ca. 1926-2010

**Mixed Materials** 20 (Box)

### **Scope and Contents**

This box contains the following books:

Pitt, Barbie. The Battle of the Atlantic. Alexandria, VA: Time-Life Books Inc., 1977.

Melegari, Vezio. The World's Great Regiments. London, New York, Sydney & Toronto: Spring Books, 1969. Dust jacket.

Gunston, Bill. British Fighters of World War II. London: Crescent Books, 1982. Dust jacket.

Bethell, Nicholas. Russia Besieged. Alexandria, VA: Time-Life Books Inc., 1977.

Grove, Eric. World War II Tanks. New York: Excalibur Books, 1976. Dust jacket.

The Marshall Cavendish Illustrated Encyclopedia of World War II. Volume 19. New York: Marshall Cavendish Corporation, 1972.

Marshal, Field. Normandy to the Baltic. Boston: Houghton Mifflin Company, 1948. Dust jacket.

Wilkinson, F. Badges of the British Army 1820 to the Present. Great Britain: Arms and Armour Press, 1987.

Kershaw, Alex. The Few. London: Da Capo Press, 2006. Dust jacket.

Griffith, Paddy. Battle Tactics of the Western Front. New Haven & London, Yale University Press, 1994. Dust jacket

Crawford, Steve. Strange but True Military Facts. London: Windmill Books, 2010.

Wilson, Arthur R. Field Artillery Manual. Volume I. Menasha, WI: George Banta Publishing Company, 1926.

Marshal, Field. El Alamein to the River Sangro. New York: E.P. Dutton & Company, Inc., 1949. Dust jacket.

Keegan, John. Churchill's Generals. New York: Grove Weidenfeld, 1991. Dust jacket.

Seversky, Major Alexander P. De. Victory through Air Power. New York: Simon and Schuster, 1942. Dust jacket.

## **Waterways and Miscellaneous**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96919

**Unit Date** ca. 1939-2010

**Mixed Materials** 21 (Box)

### **Scope and Contents**

This box contains the following books:

Chesapeake and Ohio Canal. Handbook 142. Washington D.C.: U.S. Government Printing Office, 1991.

Carmer, Carl. The Hudson. New York, Chicago & San Francisco: Holt, Rinehart & Winston, 1939.

Kytle, Elizabeth. Home on the Canal. Washington, D.C.: Seven Locks Press, 1983. Dust jacket.

Kapsch, Robert J. Historic Canals & Waterways of South Carolina. Columbia, SC: University of South Carolina Press, 2010. Dust jacket.

Industrial Archaeology Techniques. Public History Series. à Never before opened/Shrinkwrap.

Dohan, Mary Helen. Mr. Roosevelt's Steamboat. New York: Dodd, Mead & Company, 1981. Dust jacket.

Johnson, Leland R., Charles E. Parrish. Kentucky River Development: The Commonwealth's Waterway. Louisville: U.S. Army Corps of Engineers, 1999.

The Erie Canalway. Boston: National Park Service, 1998.

Zimmerman, Albright G. A Canal Bibliography. Easton, PA: Center for Canal History and Technology, 1988.

Johnson, Leland R., Charles E. Parrish. Triumph at the Falls: The Louisville and Portland Canal. Louisville, U.S. Army Corps of Engineers, 2007.

Pratt, Frances. Canal Architecture in Britain. England: Beric Press, no date.

Rodriguez, Louis. *From Elephants to Swimming Pools*. Easton, PA: Canal History and Technology Press, 2006.

Mutel, Cornelia F. *Flowing Through Time*. Iowa City, IA: Iowa Institute of Hydraulic Research, 1998.

Lewis, Ronald L. *Transforming the Appalachian Countryside*. Chapel Hill & London: The University of North Carolina Press, 1998.

Garrett, Robert. *Tableland Trails Foundation*. Oakland, MD: Felix G. Robinson, 1955.

*The 1876 County Atlas of Somerset Pennsylvania*. Somerset, PA: The Historical and Genealogical Society of Somerset County, Inc., 1994.

Dingle, Tony, Carolyn Rasmussen. *Vital Connections*. England: Penguin Books, 1991. Dust jacket.

Ball, Norman R. *Building Canada*. Toronto, Buffalo & London: University of Toronto Press, 1988.

Hahn, Thomas F. *Towpath Guide to the C & O Canal*. Shepherdstown, WV: American Canal and Transportation Center, 1991.

Barber, David G. *A Guide to the Delaware & Hudson Canal*. Easton, PA: Canal History and Technology Press, 2003.

Hadfield, Charles. *The Canal Age*. Frederick A. Praeger Publishers, 1968.

Jenkins, Hal. *A Valley Renewed: The History of the Muskingum Watershed Conservancy District*. The Kent State University Press, 1976.

Goring, Rosemary. *Scotland: The Autobiography*. The Overlook Press, Peter Mayer Publishers, Inc., 2008.

Gray, Ralph D., *The National Waterway: A History of the Chesapeake and the Delaware Canal 1765-1985*. 2nd ed., Board of Trustees of the University of Illinois, 1989.

## **West Virginia and Area**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96920

**Unit Date** ca. 1958-2011

**Mixed Materials** 22 (Box)

### **Scope and Contents**

This box contains the following books:

*Historic West Virginia: The National Register of Historic Places*. Charleston: West Virginia Division of Culture and History State Historic Preservation Office, 2000(?).

Lowry, Terry, Stan Cohen. *Images of the Civil War in West Virginia*. Charleston, WV: Quarrier Press, 2000. Two copies.

Maddex, Lee R. *Great Kanawha Valley*. Morgantown, WV: Institute for the History of Technology and Industrial Archaeology, 2003.

Gillbert, Dave. *Where Industry Failed: Water-Powered Mills at Harpers Ferry West Virginia*. Charleston, WV: Pictorial Histories Publishing Company, 1984.

Fetherling, Doug. *Wheeling: An Illustrated History*. Woodland Hills, CA: Windsor Publications, Inc., 1983.

Cohen, Stan. *King Coal: A Pictorial Heritage of West Virginia Coal Mining*. Charleston, WV: Pictorial Histories Publishing Company, 1984.

Conway, Martin. *Harpers Ferry: Time Remembered*. Reston, VA: Carabelle Books, 1981. Dust jacket.

Jr., John C. Allen. *Uncommon Vernacular*. Morgantown, WV: West Virginia University Press, 2011. Dust jacket.

Melling, Carol. *Crossings: Bridge Building in West Virginia*. Louisville, KY: Four-Colour Imports, no date. Dust jacket.

Cohen, Stan. *West Virginia's Covered Bridges*. Charleston, WV: Pictorial Histories Publishing Co., Inc., 1992.

Cohen, Stan B. *A Pictorial Guide to West Virginia's Civil War Sites and Related Information*. Charleston, WV: Pictorial Histories Publishing Co., 1990.

Nodyne, Kenneth R. *The Wheeling Area: An Annotated Bibliography*. Morgantown: West Virginia University Library, 1981.

Mattaliano, Jane K., Lois K. Omone. *Milestones*. Virginia Beach, VA: The Donning Company, 1994. Dust jacket.

Gates, John K. In Other Years. Uniontown, PA: Photographit, 1979.

West Virginia Highway Markers. West Virginia Historic Commission, 1967.

Carnes, Eva Margaret. The Tygart's Valley Line June-July 1861. Philippi, West Virginia: First Land Battle of the Civil War Centennial Commemoration, Inc., 1988.

Smith, Merritt Roe. Harpers Ferry Armory and the New Technology: The Challenge of Change. Ithaca and London: Cornell University Press, 1977.

Black, Brian. Petrolia: The Landscape of America's First Oil Boom. Baltimore, MD: The Johns Hopkins University Press, 2000. Dust jacket.

Tableland Trails. Vol. 2, number 3. Oakland, MD: A.D. Naylor and Co. and Rolyans, 1958.

West Virginia Independence Hall. Wheeling, West Virginia: West Virginia Independence Hall Foundation, Inc., 2001.

Searight, Thomas B. The Old Pike. Orange, VA: Green Tree Press, 1971. Dust jacket.

Lattea, Charlene M. The North Bend Rail Trail. Morgantown, WV: West Virginia University Institute for the History of Technology and Industrial Archaeology, 2003.

Williams, John Alexander. West Virginia: A Bicentennial History. New York: W.W. Norton & Company, Inc., 1976. Signed by author, dust jacket.

Lewis, Ronald L., John C. Hennen, Jr. West Virginia. Dubuque, Iowa: Kendall/Hunt Publishing Co., 1991.

Burt, Olive W. The National Road. New York: The John Day Company, 1968.

Mylott, James P. A Measure of Prosperity. Charleston, WV: Mountain State Press, 1984. Dust jacket.

### **Series 3. Kemp's Professional Writings**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96957

**Unit Date** 1804–2015

#### **Scope and Contents**

This series includes published and unpublished copies of Kemp's academic scholarship. It includes drafts of monographs where Kemp did not also collect significant research material for the preparation of the monograph (for draft copies of the works *The Great Kanawha Navigation* or *Taming the Muskingum*, consult the series, "Research Files," sub-series "Research on Waterways").

Formats include published scholarly articles, published scholarly book reviews, monograph drafts, correspondence, photographic prints, engineering drawings, handwritten and typed notes, and clippings. Significant amounts of the material are facsimiles.

Subjects include Grafton, Taylor County, West Virginia; Tygart Dam, Taylor County, West Virginia; historic structures in Wheeling, Ohio County, West Virginia; historic bridges; cement mills on the Potomac River; wastewater treatment; historic preservation; and industrial archaeology.

Drafts of professional writings may also appear in the series "Kemp's Other Professional Activities" and "Research Files."

### **Kemp's Publications on Suspension Bridges**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96960

**Unit Date** 1965–1992

**Mixed Materials** 191 (Box)

#### **Scope and Contents**

Kemp authored and co-authored many articles and reports, and chaired committees that generated reports. This box includes facsimiles of some of Kemp's published scholarly articles and conference proceedings, unpublished copies of conference papers and articles, facsimile engineering drawings and newsletters. Subjects include the Wheeling Suspension Bridge in Wheeling, West Virginia; the Weston and Gauley Bridge Turnpike in Burnsville, West Virginia; concrete; suspension bridges; reconstruction of suspension bridges; industrial archaeology; bridge beams and frames; beam torsion; and the research process in a university setting. The following oversize item was moved to Map Cabinet 12, Drawer 10, Folder 2: one clipping (1991).

## **Historic Bridge Conference Publications**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96961

**Unit Date** 1980-1999 (Includes facsimiles)

**Mixed Materials** 280 (Box)

### **Scope and Contents**

Kemp presented at conferences on bridge engineering, especially the annual Historic Bridge Conference. This box includes a draft of one conference paper and versions of his conference papers published in conference proceedings. The box also includes facsimiles of his conference papers. Subjects include restoring historic bridges, covered bridges, and the Wheeling Suspension Bridge.

## **Canal Terminology of the United States Illustrations**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96962

**Unit Date** 1900-1988 (Includes facsimiles)

**Mixed Materials** 127 (Box)

### **Scope and Contents**

Kemp wrote the book, Canal Terminology of the United States with student Thomas F. Hahn. This box includes the photographic prints, drawings, engineering drawings and bibliographies to be included in Kemp's book. Subjects include canals, locks, dams, boats, the C&O Canal and the Delaware and Hudson Canal. The following oversize materials were moved to Box 343: three engineering drawings (1978-1999 and undated).

## **Canal Terminology of the United States Working Manuscript**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96963

**Unit Date** 1839-1999 (Includes facsimiles)

**Mixed Materials** 107 (Box)

### **Scope and Contents**

Contains materials related to Kemp's book Canal Terminology of the United States (co-written with Kemp's student and colleague, Thomas F. Hahn): correspondence, book draft, contracts, photographs and facsimile book excerpts. Subjects include boats, canals and the book. The following oversize materials were moved to Box 343: Two photographs (undated).

## **Tygart Dam Manuscript Drafts and Correspondence**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96964

**Unit Date** 1934-1937, 1995-2015, undated (Includes facsimiles)

**Mixed Materials** 241 (Box)

### **Scope and Contents**

Kemp wrote the book, Building Tygart Dam: A New Deal Public Works Project for the Pittsburgh District of the USACE although the USACE did not publish the book. The box contains Kemp's preparations for the manuscript, including drafts of the book, handwritten notes, correspondence, and a compact disc of photographs. The box also includes facsimiles of the following: photographic prints, correspondence, engineering drawings, and clippings. Subjects include the Tygart River Valley, Tygart Dam and Reservoir, Tygart Lake, fish at Tygart Lake, the Monongahela River, the New Deal-era Public Works Administration, the Pittsburgh Flood Commission, and the Pittsburgh District of the USACE, dams as navigational tools, dams as flood control measures, dams as environmental restoration areas dams as recreational areas, and revising and publishing the Tygart Dam manuscript. The following oversize items were moved to Map Cabinet 12, Drawer 12, Folder 8: two brochures (2001 and undated).

## **Tygart Dam Manuscript Drafts**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96965

**Unit Date** 1934-2004 and undated (includes facsimiles)

**Mixed Materials** 242 (Box)

### **Scope and Contents**

Kemp wrote the book, Building Tygart Dam: A New Deal Public Works Project for the Pittsburgh District of the USACE, although the USACE did not publish the book. The box contains Kemp's preparations for the manuscript, including correspondence and drafts of the book. The box also includes facsimiles of the following: photographic prints, engineering drawings, and clippings. Subjects include the Tygart River Valley, Tygart Dam and Reservoir, Tygart Lake, fish at Tygart Lake, the Monongahela River, the New Deal-era Public Works Administration, the Pittsburgh Flood Commission, and the Pittsburgh District of the USACE, dams as navigational tools, dams as flood control measures, dams as environmental restoration areas and dams as recreational areas. The following oversize items were moved to Map Cabinet 12, Drawer 12, Folder 8: one map (1992) and two clippings (2008).

## **Tygart Dam Manuscript Research**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96966

**Unit Date** 1913, 1934-1940, 1981-1993, undated (includes facsimiles)

**Mixed Materials** 243 (Box)

### **Scope and Contents**

Kemp wrote the book, Building Tygart Dam: A New Deal Public Works Project for the Pittsburgh District of the USACE, although the USACE did not publish the book. This box contains Kemp's research materials and some planning for the project, including book outlines, project progress reports, budget lists, handwritten notes, and inspection reports. The box also includes facsimiles of the following: memorandums, correspondence, engineering drawings, reports and a map. Subjects include the Tygart Dam, dams in general, arch dam designs, the City of Grafton, the Pittsburgh District for the USACE, soil erosion, flood damage and control, reservoirs, United States waterways, and hydraulic structures. Highlights include an NRHP Tygart River Reservoir Dam nomination form. The following oversize items were moved to Map Cabinet 12, Drawer 12, Folder 8: five graphs (1934), two engineering drawings (1946), and one facsimile book excerpt (1935).

## **Illustrations and master copy for Industrial Archaeology: Techniques**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96967

**Unit Date** 1992-1996

**Mixed Materials** 63 (Box)

### **Scope and Contents**

Kemp wrote the book Industrial Archaeology: Techniques. This box includes preparation for the book, including a draft book, journal articles, photographic prints, engineering drawings, facsimile book excerpts, notes, and scholarly book reviews. Subjects include industrial archaeology techniques, mapping, camera techniques, bridges, covered bridges, cement mills, the Humpback Covered Bridge, the Boteler Cement Mill and the Old Schwamb Mill. Highlights include a NRHP nomination form for Boteler Cement Mill and an envelope of photographs entitled "Photos not used." The following items were moved to Box 342: Fifteen pages of engineering drawings (1992).

## **Monograph 2: Cement Mills Along the Potomac River**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96968

**Unit Date** 1828, 1877-1949, 1978-1994 and undated (includes facsimiles)

**Mixed Materials** 266 (Box)

### **Scope and Contents**

Kemp co-wrote the book Cement Mills along the Potomac River with Thomas F. Hahn. This box contains drafts of the book and his research. It includes the published book, book drafts, draft indexes, draft captions, correspondence, handwritten notes, articles, photographic prints, and floppy disks. The box also includes facsimiles of the following: land deeds, bibliographies, book excerpts, maps, and reports.

Subjects include canals, especially the Erie Canal, C&O Canal, and Alexandria Canal. Subjects also include the Shepherdstown Cement Mill in Shepherdstown, West Virginia; the Cumberland Hydraulic Cement and Manufacturing Company in Cumberland, Maryland; cement mills in general; the Portland cement industry in the United States; and natural cement. The following oversize items were moved to Box 344: four clippings (1919) and seven sheets of deeds (1846-1866).

### **Natural Cement (Monograph 2: Cement Mills Along the Potomac River )**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96969

**Unit Date** 1804-1859, 1900-1992, undated (includes facsimiles)

**Mixed Materials** 267 (Box)

#### **Scope and Contents**

Kemp co-wrote the book Cement Mills along the Potomac River with Thomas F. Hahn. The box includes preparation for the book, such as documents from the research process and studies of structures built with natural cement. The box includes correspondence, essay drafts, clippings, brochures, handwritten notes, curriculum vitae, magazines, photographic prints, engineering drawings, and reports. The box also includes facsimiles of the following: clippings, handwritten notes, photographic prints, correspondence, drawings, engineering drawings, maps, photographic prints and book excerpts. Subjects include the natural cement industry; mills along the Potomac Valley; limes; concretes; hydraulic mortar and lime; the Alexandria Canal; Maskell C. Ewing; William Turbull; cement kilns; the history of Shepherdstown, West Virginia; the Shepherdstown Cement Mill in Shepherdstown, West Virginia; Saylor Park Cement Industry Museum in Coplay, Pennsylvania; and the C&O Canal. The following oversize items were moved to Map Cabinet 12, Drawer 13, Folder 2: 1 brochure (undated), 1 map (undated), and three sheets of clippings (1985).

### **Monograph 2: Cement Mills Along the Potomac River Figures**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96970

**Unit Date** 1900-1916, 1979-1981 and undated (includes facsimiles)

**Mixed Materials** 268 (Box)

#### **Scope and Contents**

Kemp prepared figures to go into the book Cement Mills along the Potomac River that he co-wrote with Thomas F. Hahn. The box contains draft materials for these figures, comprised of photographs, illustrations, engineering drawings, maps and tables. The box includes photographic prints, photographic contact sheets, photographic negatives, illustrations, maps, tables, budget lists and handwritten notes. The box also includes facsimiles of the following: photographic prints, illustrations, and engineering drawings. Subjects include the Shepherdstown Cement Plant, other cement mills along the Potomac River, kilns, natural cement, and Portland cement.

### **Grafton and the B&O Railroad**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96971

**Unit Date** 1850-1880, 1972, 2001-2006 (includes facsimiles)

**Mixed Materials** 194 (Box)

#### **Scope and Contents**

Kemp wrote chapters for a book that was tentatively called "Celebrating Grafton," "Visualizing the Baltimore and Ohio Railroad at Grafton," or "Grafton and the B&O Railroad: A Visual History." There is no evidence that the book was ever published. The box includes drafts for the book, typed notes, correspondence and a magazine. The box also includes facsimiles of the following: maps, drawings, photographic prints and engineering drawings. Subjects include Grafton, West Virginia; the construction and use of the B&O railroad, the South Shore Inter-Urban Railroad, the Northwestern Turnpike which crossed West Virginia; Taylor County, West Virginia; and Three Forks Creek near Grafton, West Virginia. Highlights include the Grafton B&O Station and Hotel Preliminary Feasibility Study. The following oversize item was moved to Box 344: one map (undated).

## **American Society of Civil Engineers (ASCE) Environmental Engineering Book**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96972

**Unit Date** 1885-1927, 1953-1981, undated (includes facsimiles)

**Mixed Materials** 248 (Box)

### **Scope and Contents**

Kemp served on the American Society of Civil Engineer's Committee on the History and Heritage of American Civil Engineering, which published *Pure and Wholesome: a Collection of Papers on Water and Waste Treatment at the Turn of the Century*. This box includes his notes about the publication project and copies of the papers to be included in the compendium. The box includes a copy of the book, handwritten and typed drafts of prefaces and introductions to the book by the committee, correspondence, photographic prints, reports, scholarly articles, and handwritten notes. The box also includes facsimiles of the following: book excerpts, scholarly articles, correspondence, clippings, and minutes. Subjects include tunnels, bridges, water purification, city planning, municipal waste, public works projects, sanitary engineering, forest preservation, landmarks in civil engineering, and famous civil engineers.

### **Book Reviews by Kemp**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96973

**Unit Date** ca. 1974-1999

**Mixed Materials** 25 (Box)

### **Scope and Contents**

Kemp wrote reviews of books on the history of technology and bridges. This box includes correspondence, drafts, and printed copies of reviews that Kemp wrote. The following items were moved to Box 342: four facsimile clippings (1951 and undated), and twenty-two clippings (1983-1986).

### **Encyclopedia Articles**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96974

**Unit Date** 1990-2003

**Mixed Materials** 26 (Box)

### **Scope and Contents**

Kemp contributed to the *Encyclopedia of Appalachia*, *WV Encyclopedia*, and *Dictionary of American History*. This box includes correspondence and drafts. Subjects include the Wheeling Suspension Bridge, James River and Kanawha Company, various other bridges in West Virginia, etc.

### **Kemp Publications on History, Engineering, and Industrial Archaeology**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96975

**Unit Date** 1955-2011 (includes facsimiles)

**Mixed Materials** 249 (Box)

### **Scope and Contents**

Kemp published books and scholarly articles throughout his career. This box contains copies of his publications, including scholarly articles, books, and scholarly book reviews of his books. The box also includes facsimile scholarly articles and book reviews. Subjects include historic preservation; engineering; industrial archaeology; historic bridges; and historic structures in Wheeling, Ohio County, West Virginia. Highlights include an article Kemp wrote early in his career (1955) about American bridge designing. The following oversized item was moved to Box 344: one clipping (2000).

### **Kemp Publications on History**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96976

**Unit Date** 1973-2003 (includes facsimiles)

**Mixed Materials** 210 (Box)**Scope and Contents**

Kemp wrote articles about the history of industrial structures in the United States. The box includes some of the books and scholarly journals to which Kemp contributed, as well as facsimile book excerpts that Kemp used for research. Subjects include canal history and technology, bridges, West Virginia industrial history and industrial archaeology.

**Kemp Publications on History of Technology****Unit ID** [Archival Resource Key](#)**Unit ID** /repositories/2/archival\_objects/96977**Unit Date** 1924, 1957-2002 (includes facsimiles)**Mixed Materials** 298 (Box)**Scope and Contents**

Kemp published articles on engineering and on the history of technology, and his publications were cited in other books and articles. Pertaining to that work, the box includes Kemp's correspondence, event programs, speeches about Kemp, reports, report drafts, clippings, journal articles, and brochures. The box also includes facsimiles of the following: book excerpts, correspondence, photographic prints, drawings, engineering drawings, and charts. Subjects include torsion, concrete, industrial preservation, suspension bridges, and structures of the British Isles. Highlights include a draft of Kemp's paper, "Edinburgh's First Water Supply: the Comiston Aqueduct, 1689-1721." The following oversized items were moved to Box 344: 16 oversize facsimile photographs (undated).

**Series 4. Kemp's Other Professional Activities****Unit ID** [Archival Resource Key](#)**Unit ID** /repositories/2/archival\_objects/96857**Unit Date** 1849, 1909, 1952-2018**Unit Date** Bulk, 1952-2018**Scope and Contents**

The series includes materials Kemp collected and produced while serving professional organizations, including WVU. Some of these materials come from conferences that Kemp helped to organize. The series also includes materials Kemp collected when receiving recognition for his achievements. Finally, there are miscellaneous materials from his personal life.

Formats include draft monographs, correspondence, newsletters, applications for grants and awards, conference proposals, clippings, brochures, and photographic prints.

Subjects include Marc Séguin, Kemp's affiliations at WVU, the ASCE, preserving engineering innovations, industrial archaeology, and a WVU exhibit honoring Kemp.

Highlights include early photographic prints of Kemp, Kemp's correspondence with his parents from his time serving in the USACE, his original Fulbright scholarship, a construction hat, and a 1955 article by Kemp about American bridge designing.

Some material on conferences that Kemp organized appear in the series "Research Files," sub-series "Bridges." Kemp speaks about his professional activities in his oral histories in the series "Oral Histories."

**Michel Cotte Regarding Marc Seguin Box 1 of 2****Unit ID** [Archival Resource Key](#)**Unit ID** /repositories/2/archival\_objects/96858**Unit Date** 1995**Mixed Materials** 336 (Box)**Scope and Contents**

French historian of civil engineering Michel Cotte presented a paper on suspension bridges at the 1999 International Conference on Historic Bridges to Celebrate the 150th Anniversary of the Wheeling Suspension Bridge, which Kemp and the IHTIA organized. Cotte sent Kemp his dissertation and biography of civil engineer Marc Seguin, called *Innovation et Transfer de Technologies, le Cas de Enterprises de Marc Seguin, France 1815-1835*. The box includes the first half of an unbound copy of the monograph and a copy of the full monograph on floppy disks. Subjects include Seguin's upbringing and training as a civil engineer; the context of transportation, public works systems, and technical knowledge at the time; bridge construction on the Rhône River; the development of suspension bridge knowledge; construction

of the Tournon-Tain Bridge in Tournon-sur-Rhône, Ardèche, Auvergne-Rhône-Alpes, France; steam navigation on the Rhône, the construction of the rail line from Saint-Etienne in Saint-Etienne, Loire, Auvergne-Rhône-Alpes, France to Lyon, Lyon, Auvergne-Rhône-Alpes, France; and thermodynamics of Seguin's design.

### **Michel Cotte Regarding Marc Seguin Box 2 of 2**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96859

**Unit Date** 1995

**Mixed Materials** 337 (Box)

#### **Scope and Contents**

French historian of civil engineering Michel Cotte presented a paper on suspension bridges at the 1999 International Conference on Historic Bridges to Celebrate the 150th Anniversary of the Wheeling Suspension Bridge, which Kemp and the IHTIA organized. Cotte sent Kemp his dissertation and biography of civil engineer Marc Seguin, called *Innovation et Transfer de Technologies, le Cas de Entreprises de Marc Seguin, France 1815-1835*. The box includes the second half of an unbound copy of the monograph. Subjects include Seguin's upbringing and training as a civil engineer; the context of transportation, public works systems, and technical knowledge at the time; bridge construction on the Rhône River; the development of suspension bridge knowledge; construction of the Tournon-Tain Bridge in Tournon-sur-Rhône, Ardèche, Auvergne-Rhône-Alpes, France; steam navigation on the Rhône, the construction of the rail line from Saint-Etienne in Saint-Etienne, Loire, Auvergne-Rhône-Alpes, France to Lyon, Lyon, Auvergne-Rhône-Alpes, France; and thermodynamics of Seguin's design.

### **Michel Cotte and French Industrial Heritage**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96860

**Unit Date** 1993-1999 (includes facsimiles)

**Mixed Materials** 338 (Box)

#### **Scope and Contents**

French historian of civil engineering Michel Cotte presented a paper on suspension bridges at the 1999 International Conference on Historic Bridges to Celebrate the 150th Anniversary of the Wheeling Suspension Bridge, which Kemp and the IHTIA organized. He and Kemp also corresponded about the history of French moveable dams, which helped Kemp in his research about locks and dams along the Great Kanawha River. The box includes correspondence, engineering drawings, scholarly journal articles, drafts of scholarly journal articles, and conference booklets. The box also includes facsimiles book excerpts. Subjects include the Tournon-Tain Suspension Bridge in Tournon-sur-Rhône, Auvergne-Rhône-Alpes, France; the Rhône River in France; the Kanawha River in West Virginia; Marc Seguin; French moveable dams; suspension bridges; and French industrial heritage.

### **James Rumsey and the Rumseian Society**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96861

**Unit Date** 1985-1989 and undated (includes facsimiles)

**Mixed Materials** 340 (Box)

#### **Scope and Contents**

In 1987, the Rumseian Society hosted a symposium in honor of the bicentennial anniversary of the launching of the first steamboat. Kemp helped to organize the seminar, suggesting speakers and topics. Kemp later published the article "James Rumsey and His Role in the Internal Improvements Movement" in the *West Virginia History* journal based on his research. He also reviewed a grant proposal to the West Virginia Humanities Foundation requesting funds to host the event and to publish a booklet on James Rumsey, inventor of the first steamboat. The box includes materials related to the symposium, as well as transcribed interviews Kemp conducted with members of the USACE, Mobile District about the engineering of the Tennessee-Tombigbee Waterway (these appear unrelated to the Rumseian Society materials). The box includes correspondence, interview transcripts, conference papers, brochures, event programs, newsletters, clippings, and catalog records. The box also includes facsimiles of the following: grant applications and clippings. Subjects include James Rumsey; steamboat technology; the Rumseian Foundation; the Berkeley Springs Museum in Berkeley Springs, Morgan County, West Virginia; and Shepherdstown, Jefferson County, West Virginia. This box also contains the transcripts from oral histories

Kemp conducted with engineers at the USACE, Mobile District, in relation to the Tennessee-Tombigbee Waterway (see Box 309).

### **Professional Affiliations in Historic Preservation and at West Virginia University**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96862

**Unit Date** 1954-2018 and undated (includes facsimiles)

**Mixed Materials** 288 (Box)

#### **Scope and Contents**

Kemp contributed lectures and reports to the historic preservation academic community, and advised West Virginia University on the connection between engineering and the humanities as a professor. He also evaluated historic copper mines in the Quincy and Calumet areas of the Keweenaw Peninsula of Pennsylvania in order to determine whether they would be eligible for national park status. This box includes his work materials, including resumes, biographical narratives, reports, correspondence, conference proceedings, event programs, clippings, newsletters, organization applications, drawings, book reviews, a USB drive, photographic prints, and handwritten notes. The box also includes facsimiles of the following: book excerpts, applications for awards, clippings, scholarly journal articles, book reviews, newsletters and bound copies of the United States Congressional Series Set. Subjects include the Historic Bridge Conference, Kemp's career, engineering feats, historic preservation, industrial archaeology, the history of science and technology, bridges, canals, transportation mechanisms, and academia. Highlights include a bound 1954 calendar from the University of London Imperial College, early photographs of Kemp, and correspondence regarding a two-year professorial appointment to the SEATO Graduate School in Thailand. The following oversize items were moved to Map Cabinet 12, Drawer 13, Folder 9: one event program (1991); two brochures (1974-1988); two nomination forms for the magazine, "Who's Who in Engineering" (1989 and undated); and six clippings (1986-1992).

### **Kemp publications on history of technology and profiles of Kemp**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96863

**Unit Date** 1952-1999, 2020

**Mixed Materials** 27 (Box)

#### **Scope and Contents**

This box contains materials about Kemp, including his obituary and funeral program. It includes published works in magazines and clippings. The following items were moved to Map Cabinet 12, Drawer 1, Folder 2: Nine clippings about Kemp restoring bridges (1991-2002), one Arup blueprint of High Court Blantyre - Nyasaland (undated).

### **Kemp's Involvement in ASCE**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96864

**Unit Date** 1993-2007 and undated (includes facsimiles)

**Mixed Materials** 277 (Box)

#### **Scope and Contents**

Kemp became an Honorary Member of ASCE in 2004. This box contains materials about his nomination and participation on ASCE's History and Heritage Committee. The box includes photographic prints, certificates, correspondence, resumes, speeches, event programs, lists of professional contacts, and newsletters. The box also includes facsimiles of the following: correspondence, newsletters, clippings, and invoices. Subjects include ASCE, the 2004 Annual Conference in Baltimore, the nomination process for honorary membership to the ASCE, Kemp's professional career, the ASCE History and Heritage Committee, and the Civil Engineering History and Heritage Award. Correspondents include Robert Kapsch of the NPS, Carol Stevens of ASCE, and Henry Petroski of Duke University. Highlights include early photographs of Kemp, including posing in front of the Sydney Opera House with Janet Kemp. The following oversize item was moved to Box 343: ASCE newsletter (2004).

### **Engineering Foundation Conference 1978**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96865

**Unit Date** 1974-1981 and undated (includes facsimiles)

**Mixed Materials** 281 (Box)

### **Scope and Contents**

Kemp helped organize the Engineering Foundation Conference in partnership with Theodore Sande ("Ted") at Franklin Pierce College in Rindge, New Hampshire on June 25-30, 1978. The conference's theme was "Historic Preservation of Engineering Structures," and the ASCE expressed interest in publishing the conference proceedings later that year. This box includes materials about the conference, including correspondence, draft conference papers, annual reports, budget lists, event programs, curriculum vitae, and lists of contacts. The box also includes facsimiles of the following: conference papers, RSVP slips, questionnaire response sheets, engineering drawings, memorandums, maps, and clippings. Subjects include historic preservation, histories of technology and engineering works, preservation of engineering structures in museums, conference logistics, and reimbursement for travel expenses. Highlights include a mark-up proof of the conference proceedings. The following oversize items were moved to Box 344: one clipping (1982), and one brochure (undated).

## **IHTIA Manuscripts and Dr. Kemp's Correspondence**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96866

**Unit Date** 1987-1991 and undated (includes facsimiles)

**Mixed Materials** 283 (Box)

### **Scope and Contents**

Kemp founded the IHTIA in 1989 and served as its first director. This box includes early documents for the Institute, including correspondence, contracts, bound copies of the United States Congressional Series Set, proposals, draft proposals, reports, meeting agendas, meeting minutes, handwritten meeting notes, budget lists, memorandums, scholarly articles, exhibit outlines, brochures, container lists, clippings, postcards, newsletters, and mockups for an IHTIA report cover page. The box also includes facsimiles of the following: contracts, clippings, newsletters, engineering drawings, correspondence, trade catalogues, and computer assignment lists. Subjects include funding the IHTIA, finding space on WVU's campus for the IHTIA, the IHTIA Advisory Committee, the HABS recording project for High Gate historic home, the history of WVU, industrial history, technology used to conduct preservation studies, the discipline of historic preservation, and industrial archaeology. Relevant organizations include the IHTIA, WVU, WVU Research Foundation, HABS/HAER, NPS, the West Virginia State Historic Preservation Office, and the Division of Highways. Highlights include Kemp's correspondence with then-House of Representatives member Alan B. Mollohan and correspondence with administration at WVU about starting the IHTIA. The following oversize items were moved to Map Cabinet 12, Drawer 13, Folder 7: two engineering drawings (undated), six clippings (1989-1991), and two pages of a facsimile book excerpt (1879).

## **Kemp's Family, West Virginia University Affiliations, and Conference Presentations**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96867

**Unit Date** 1909, 1953-1955, 1973-2006, undated (includes facsimiles)

**Unit Date** Bulk, 1953-2006

**Mixed Materials** 341 (Box)

### **Scope and Contents**

Kemp corresponded with his family, with West Virginia University, and with professional organizations of engineers. He also presented papers, workshops, and addresses at a number of conferences. The box includes photographic prints, photographic contact sheets, brochures, correspondence, handwritten notes, clippings, award certificates, resumes, booklets, draft and final copies of conference papers and speeches, conference programs, and reports. The box also includes facsimiles of the following: bound copies of the United States Congressional Series Set, book excerpts, scholarly journals, speeches, ephemera, and clippings. Subjects include historic preservation, the history of engineering, industrial archaeology, dynamic loads, Kemp's activities, public works in history, coal and coke production, work for HAER, the IHTIA, the West Virginia University School of Engineering, the West Virginia University College of Arts and Sciences, civil engineering, and Kemp's military career and Fulbright scholarship. Highlights include a letter from Governor Gaston Caperton requesting Kemp's presence at a meeting on West Virginia's relationship to Russia, photographs of Kemp as an adolescent, letters between Kemp and his parents from when he was serving in the military, and Kemp's original application for the Fulbright scholarship. The following oversize items were moved to Box 342: eight sheets of correspondence (1955), and eleven sheets of clippings (1999-2000).

## **Polish American Symposium "Concrete Today and Tomorrow in Housing," 1973**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96868

**Unit Date** 1971-1975 (includes facsimiles)

**Mixed Materials** 285 (Box)

### **Scope and Contents**

Kemp helped organize a symposium hosted by the American Concrete Institute and the Polish Research and Development Center of the Concrete Industry ("CEBET") called "Concrete Today and Tomorrow in Housing" in 1973. He edited and wrote the introduction for a published anthology of the conference papers. Kemp also contributed to two follow-up conferences: the "International Symposium on Bearing Walls" in 1973 and the "UN-Training for Housing and Modern Building Techniques" in 1975. The box includes his preparation for the symposium and publication, including technical reports, correspondence, brochures, travel ephemera, handwritten notes, grant applications, conference papers, budgets, photographic prints, and event programs. The box also includes facsimiles of the following: correspondence, project proposals for the conference, and data tables. Subjects include the Polish-American Symposium planning, research on structural joints, reinforced concrete housing, modern housing, vertical joints in buildings, tall paneled structures, publishing the symposium proceedings, and National Science Foundation travel grants. The following oversize items were moved to Map Cabinet 12, Drawer 13, Folder 8: one map (1972), and three facsimiles of data tables (1974).

## **"To Make the Crooked Ways Straight and the Rough Ways Smooth" by Billy Joe Peyton**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96869

**Unit Date** 1998-2000 (includes facsimiles)

**Mixed Materials** 291 (Box)

### **Scope and Contents**

Kemp chaired the committee overseeing Billy Joe Peyton's dissertation. Later, Kemp also nominated Peyton for the West Virginia Humanities Council. The box includes materials related to the nomination and Peyton's dissertation, entitled "To Make the Crooked Ways Straight, and the Rough Ways Smooth: Laying Out and Building the Cumberland Road." The box includes drafts of the dissertation chapters, correspondence, catalogues of dissertations, brochures, handwritten notes, and a floppy disk. The box also includes facsimiles of the following: brochures and ephemera used to process dissertations. Subjects include WVU's process for completing a dissertation, job opportunities in history in West Virginia, transportation in the United States, engineering the Cumberland Road (also known as the National Road), actual construction of the road, and the history of federal involvement in road construction.

## **Publications on Architecture and Buildings**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96870

**Unit Date** 1969-1992

**Mixed Materials** 320 (Box)

### **Scope and Contents**

Kemp collected books as part of his research efforts. In addition, he edited the Proceedings of the Conference on Industrialized Building following the conference hosted by the WVU Department of Civil Engineering in 1972. The box contains a copy of the conference proceedings, as well as books and ephemera related to the conference and Kemp's research. Subjects include torsion, building construction in the United States, industrialized building, and Kanawha County.

## **Donated for Exhibit Research and Display**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96871

**Unit Date** 1849, 2006-2017, undated

**Unit Date** Bulk, 2006-2017

**Mixed Materials** 346 (Box)

### **Scope and Contents**

Kemp donated materials as background research for the West Virginia and Regional History Center

Kemp donated materials as background research for the West Virginia and Regional History Center exhibit, "The Structure of History: Celebrating Industrial Heritage and Preservation in the Emory L. Kemp Collection." He also donated materials he felt could be displayed in the exhibit. The box includes brochures, books, magazine clippings, a facsimile magazine clipping, and a photographic print in a frame. Subjects include bridges of West Virginia and Pennsylvania and Dr. Emory Kemp. Highlights include a piece of the original wire from the Wheeling Suspension Bridge in Wheeling, Ohio County, West Virginia, and a brochure about the IHTIA. The following oversized items were moved to Map Cabinet 12, Drawer 15, Folder 5: forty-six engineering drawings (1992-1997), four drawings (1990 and undated), and one poster (1849).

#### **Donated for Exhibit Research and Display**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96872

**Unit Date** undated

**Mixed Materials** 224 (Box)

#### **Scope and Contents**

Kemp and Dr. Barb Howe donated materials they thought could be displayed in the West Virginia and Regional History Center exhibit, "The Structure of History: Celebrating Industrial Heritage and Preservation in the Emory L. Kemp Collection." This box includes a construction hat Kemp used as a consultant and a mug.

#### **Addendum of 2020-02-10**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/115287

**Unit Date** ca. 1968-2001

**Mixed Materials** 347 (Box)

**Language** English.

#### **Scope and Contents**

Includes HAER engineering drawings for a variety of structures and equipment (ca. 1970s); photographs from an envelope labeled "Fairbanks Oil" (undated); an honorary diploma for and a group photograph showing Roland Parker Davis (a dean of West Virginia University's College of Engineering and the designer of historic bridges in West Virginia; 1968 and undated); and a folder of material for IHTIA's field school and Canadian oil work (ca. 2001).

#### **Series 5. Oversize Materials**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96958

**Unit Date** undated

#### **Scope and Contents**

This series includes the oversized materials from the boxes in all previous series. It also includes the materials (almost all photographic prints) from an exhibit Kemp worked on in partnership with the Clarksburg-Harrison County Library about Frank Duff McEnteer.

Formats include engineering drawings, maps, clippings, brochures, and handwritten notes. Subjects include historic bridges, covered bridges of West Virginia, historic buildings, canals, locks and dams, and West Virginia's industrial history.

#### **Oversize Material Box 1 of 4**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96978

**Unit Date** undated

**Mixed Materials** 342 (Box)

#### **Scope and Contents**

This box includes the oversized materials from the following boxes:

25, 29, 34, 37, 41, 49, 52, 53, 58, 60, 63, 65, 76, 77, 88, 89, 95, 96, 98, 101, 108, 121, 122, 124, 125, 137, 139, 144, 146, 157, 159, 175

**Oversize Material Box 2 of 4****Unit ID** [Archival Resource Key](#)**Unit ID** /repositories/2/archival\_objects/96979**Unit Date** undated**Mixed Materials** 343 (Box)**Scope and Contents**

This box includes the oversize materials from the following boxes:

71, 73, 87, 107, 119, 127, 132, 142, 151, 166, 169, 221, 222, 239, 277, 341

**Oversize Material Box 3 of 4****Unit ID** [Archival Resource Key](#)**Unit ID** /repositories/2/archival\_objects/96980**Unit Date** undated**Mixed Materials** 344 (Box)**Scope and Contents**

This box includes the oversize materials from the following boxes:

186, 187, 188, 194, 196, 202, 205, 206, 232, 246, 249, 250, 258, 263, 265, 266, 270, 281, 282, 290, 296, 298, 319, 324, 326

**Oversize Material Box 4 of 4****Unit ID** [Archival Resource Key](#)**Unit ID** /repositories/2/archival\_objects/96981**Unit Date** undated**Mixed Materials** 345 (Box)**Scope and Contents**

This box includes the oversize materials from the following boxes:

333, 334, 335, 339. In addition, the box includes "Exhibit Panels from Frank Duff McEnteer Collection." DESCRIPTION: Kemp and the West Virginia University Program in the History of Science and Technology partnered with the Clarksburg-Harrison County Library to sponsor an exhibit about Frank Duff McEnteer, a Clarksburg engineer who also consulted for United States Army Forces in the Middle East and was President of the Concrete Steel Bridge Company. Kemp also wrote an article for the APWA Reporter about McEnteer. The West Virginia Humanities Foundation funded the exhibit. The box includes exhibit panels, photographic prints, and an advertisement. Subjects include the Hyner Bridge over the Susquehanna River in Renovo, Clinton, Pennsylvania; construction projects in Clarksburg, Harrison County, West Virginia; the Concrete Steel Bridge Company; reinforced concrete; and covered bridges in West Virginia. Highlights include an early advertisement for the Concrete Steel Bridge Company and 1920s photographs of bridge construction. The folder of exhibit panels was moved to Box 345.

**Oversize Material Map Cabinet 12, Drawer 1 of 15****Unit ID** [Archival Resource Key](#)**Unit ID** /repositories/2/archival\_objects/96982**Unit Date** undated**Scope and Contents**

This cabinet drawer includes the oversize materials from the following boxes:

23, 24, 27, 28, 32, 33, 35, 39, 42, 43, 48

**Oversize Material Map Cabinet 12, Drawer 2 of 15****Unit ID** [Archival Resource Key](#)**Unit ID** /repositories/2/archival\_objects/96983**Unit Date** undated**Scope and Contents**

This cabinet drawer includes the oversize materials from the following boxes:

51, 56, 57, 64, 69

### **Oversize Material Map Cabinet 12, Drawer 3 of 15**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96984

**Unit Date** undated

#### **Scope and Contents**

This cabinet drawer includes the oversize materials from the following boxes:

72, 74, 75, 79, 82, 83, 84, 90, 97

### **Oversize Material Map Cabinet 12, Drawer 4 of 15**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96985

**Unit Date** undated

#### **Scope and Contents**

This cabinet drawer includes the oversize materials from the following boxes:

99, 103, 105, 106, 109, 110, 112, 113, 114, 115, 116, 117, 118, 120, 128

### **Oversize Material Map Cabinet 12, Drawer 5 of 15**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96986

**Unit Date** undated

#### **Scope and Contents**

This cabinet drawer includes the oversize materials from the following boxes:

129, 130, 131, 134, 135, 136, 140, 141, 143, 145

### **Oversize Material Map Cabinet 12, Drawer 6 of 15**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96987

**Unit Date** undated

#### **Scope and Contents**

This cabinet drawer includes the oversize materials from the following boxes:

147, 148, 149, 150

### **Oversize Material Map Cabinet 12, Drawer 7 of 15**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96988

**Unit Date** undated

#### **Scope and Contents**

This cabinet drawer includes the oversize materials from the following boxes:

153, 154, 161, 162, 163, 170

### **Oversize Material Map Cabinet 12, Drawer 8 of 15**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96989

**Unit Date** undated

#### **Scope and Contents**

This cabinet drawer includes the oversize materials from the following boxes:

171, 172, 173, 180

**Oversize Material Map Cabinet 12, Drawer 9 of 15**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96990

**Unit Date** undated

**Scope and Contents**

This cabinet drawer includes the oversize materials from the following boxes:

182, 183, 184, 185

**Oversize Material Map Cabinet 12, Drawer 10 of 15**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96991

**Unit Date** undated

**Scope and Contents**

This cabinet drawer includes the oversize materials from the following boxes:

189, 191, 193, 195, 197, 200, 201

**Oversize Material Map Cabinet 12, Drawer 11 of 15**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96992

**Unit Date** undated

**Scope and Contents**

This cabinet drawer includes the oversize materials from the following boxes:

203, 204, 207, 208, 209, 212, 215, 216, 217, 219

**Oversize Material Map Cabinet 12, Drawer 12 of 15**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96993

**Unit Date** undated

**Scope and Contents**

This cabinet drawer includes the oversize materials from the following boxes:

220, 226, 229, 230, 233, 234, 241, 242, 243, 244, 245, 259

**Oversize Material Map Cabinet 12, Drawer 13 of 15**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96994

**Unit Date** undated

**Scope and Contents**

This cabinet drawer includes the oversize materials from the following boxes:

261, 267, 271, 273, 276, 278, 283, 284, 285, 288, 289, 292

**Oversize Material Map Cabinet 12, Drawer 14 of 15**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96995

**Unit Date** undated

**Scope and Contents**

This cabinet drawer includes the oversize materials from the following boxes:

293, 294, 295, 297, 299, 300, 302, 303, 304, 305, 306, 309

## **Oversize Material Map Cabinet 12, Drawer 15 of 15**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96996

**Unit Date** undated

**Maps** Map Cabinet 12

**Container** 15 (Drawer)

### **Scope and Contents**

This cabinet drawer includes the oversize materials from the following boxes:

310, 312, 313, 315, 327

## **Framed poster "Industrial Processes"**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/97000

**Unit Date** Circa after 1997

**Graphic Materials** 1 (Item)

**Language** English.

### **Scope and Contents**

Kemp and the IHTIA created a poster that explained how the IHTIA documents historic industrial structures. The poster includes photographic prints and engineering drawings from the Nuttallburg Mine Complex in Fayetteville, Fayette County, West Virginia; Joanna Iron Furnace near Robeson Township, Berks County, Pennsylvania and the Virginius Island Waterpowered Mill Complex in Harpers Ferry, Jefferson County, West Virginia.

Formats: illustrations

Subjects: Nuttallburg Mine Complex; Fayetteville, West Virginia; Fayette County, West Virginia; Joanna Iron Furnace; Robeson Township, West Virginia; Berks County, Pennsylvania; Virginius Island Waterpowered Mill Complex; Harpers Ferry; Jefferson County, West Virginia.

## **Series 6. Oral Histories**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96959

**Unit Date** 2017-2018

### **Scope and Contents**

This series includes video and audio recordings for the oral histories conducted with Kemp. The series also includes accessory video clips made at the same time as the oral histories that visually complement the oral histories. Finally, the series includes digital planning documents for the oral histories.

The series includes a digital copy of Kemp's curriculum vitae, which provides rich description of Kemp's projects. A digital spreadsheet also highlights major accomplishments in Kemp's career. Partial transcripts of the interviews are available in a digital format.

## **Preservation Alliance of West Virginia Oral History Interview**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96997

**Unit Date** 2017

### **Scope and Contents**

Mercy Klein of Preservation Alliance of West Virginia interviewed Kemp for a video oral history on August 24, 2017 at Kemp's home in Morgantown, Monongalia County, West Virginia.

## **Barb Howe Oral History Interviews and Notes**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96998

**Unit Date** 2017-2018

**Scope and Contents**

Dr. Barb Howe conducted twelve audio oral history interviews arranged into eight parts with Kemp from October 10, 2017 to May 24, 2018. Howe also collected one short video clip about Kemp's work on the Sydney Opera House. The files include Howe's notes and background reference documents from four of the eight parts of the interview, which she prepared to prioritize what information Kemp should relate in his oral history. Highlights include a digital copy of Kemp's curriculum vitae for reference, and a spreadsheet that highlights key moments from Kemp's career.

**Oral History Interview Transcripts**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/96999

**Unit Date** 2018

**Scope and Contents**

Partial transcripts were created for the oral histories conducted by Mercy Klein and Barb Howe.

**Series 7. Addendum of 2019, Records of Trips, Engineering Papers, Edinburgh Fellowship, Suspension Bridge Papers, Miscellaneous**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

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**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/180830

**Unit Date** 1848-2021

**Mixed Materials** 349 (Box)

**Mixed Materials** 350 (Box)

**Mixed Materials** 351 (Box)

**Scope and Contents**

This series includes materials Kemp collected, worked on and produced between ca.1950s-2003. This series includes materials from his trip to Russia and collaboration with Dr. Mikhail Mikeshin, International Foundation for the History of Science; materials from his fellowship at the University of Edinburgh and his trip to the United Kingdom; mixed materials on early suspension bridges; correspondence, journals, manuscript translation in Japanese from his collaboration with Dr. Haruzau Ohashi; materials about King's Covered Bridge; the Wheeling Suspension Bridge; engineering papers on Helical staircases, torsion and concrete knee joints; also includes booklet on Civil War, information on the founding of the Daughters of the American Revolution [DAR], booklets on the Wright brothers and early Aeroplanes. Includes facsimiles of articles from ca.1800s. Also includes a file with family miscellaneous and a photo of Dr. Kemp.

Formats include: Correspondence, photographic prints, photographic negatives, brochures, souvenir booklets, journals, manuscripts, papers, drawings, clippings, postcards, facsimiles (including photocopies of originals)

Subjects include: Russia, United Kingdom, Britain, Scotland, Britain's Cathedrals, Britain's Churches,

Castles, Kings and Queens of Britain, Early Suspension Bridges, King's Covered Bridge, Wheeling Suspension Bridge, Haruzau Ohashi, Mikhail Mikeshin, Fellowship at Institute for Advanced Studies in the Humanities at University of Edinburgh, Engineering Medieval Cathedrals, Engineering Torsion, Concrete Knee Joints, Suspension Bridges, First Aeroplanes [airplanes], Wright Brothers, Civil War, Daughters of the American Revolution (DAR)

### **Project Files: United Kingdom, Russia, Suspension Bridges**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

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**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/180831

**Unit Date** 1848-2003

**Mixed Materials** 349 (Box)

**Language** Some of the materials from Dr. Kemp's Russia trip (booklets, brochures, correspondence) are written in Russian. Also, much of the Harukazu Ohashi files are in Japanese including the journals and manuscripts copies he sent to Dr. Kemp.

#### **Scope and Contents**

This box includes materials from Dr. Kemp's trips to Great Britain as well as Russia and his fellowship at University of Edinburgh, Scotland. It also contains engineering papers and his collection of materials on the Wheeling Suspension Bridge, early suspension bridges and the King's Covered Bridge (including 5 CDs) and photographs of unidentified rope bridge. Also included is Dr. Kemp's collection of materials on his collaboration with Dr. Harukazu Ohashi in translating a paper of Dr. Kemp's to Japanese.

Formats: book, booklets, brochures, correspondence, facsimiles, journals, manuscripts, papers, photographic prints, compact disks

Subjects: helical staircases; United Kingdom churches, United Kingdom cathedrals; kings of Great Britain, queens of Great Britain, royal heritage, Queen Elizabeth's II Silver Jubilee Year, Coronation of Queen Elizabeth II, the royal line of succession, United Kingdom guides; early suspension bridges; engineering medieval cathedrals; fellowship at University of Edinburgh; Russian architecture, Leningrad, St. Petersburg; Japan manuscript translation, Harukazu Ohashi; King's Covered Bridge; Wheeling Suspension Bridge

Note: The date range is referring to dates of the printed material in the collection. There are facsimiles of articles/book pages used by Dr. Kemp that were written ca. 1800s.

### **Project Files: Engineering, Miscellaneous**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/180832

**Unit Date** 1961-2021

**Mixed Materials** 350 (Box)

#### **Scope and Contents**

This box includes a collection of research and materials from Dr. Kemp dated approximately 1961 to 1999. It includes a research proposal and materials on torsion; engineering drawings; undated research paper and materials on concrete knee joints; undated negatives and photos of unknown suspension and

other bridges; booklets on the Wright Brothers and first aeroplanes; Time Life booklet on Great Battles of the Civil War; correspondence and materials on the Daughters of the American Revolution; and one piece of correspondence from Society for the Preservation of Old Mills [SPOOM] to the Institute for the History of Technology and Industrial Archaeology [IHTIA] dated 2021. Formats: correspondence, research papers, research proposals, engineering drawings, photographic prints, photographic negatives, booklet, journal

Subjects: Concrete knee joints, torsion, torsion with shear, suspension bridges, bridges, Wright Brothers, first aeroplanes [airplanes], Great Battles of Civil War, Daughters of the American Revolution (DAR), Society for the Preservation of Old Mills (SPOOM), engineering, concrete engineering

### **Project Files: Engineering, Cathedrals, Family Miscellaneous**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/180833

**Unit Date** 1942-2003

**Mixed Materials** 351 (Box)

#### **Scope and Contents**

This box includes materials on Dr. Kemp's various engineering research including papers and drawings, information and diagrams on cathedrals and domed structures and correspondence with a colleague in Russia. This box also includes a file of miscellaneous family items such as a newspaper clipping of Dr. Kemp.

Formats: correspondence, drawings, research papers, facsimiles, engineering graphs, handwritten notes, art paper drawing

Subjects: engineering in Russia, cathedrals, domed structures, Dr. Kemp, research papers, family

Note: Box contains correspondence that coincides with Russia files in Box 349

### **Series 8. Addendum of 2021/04/05**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

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**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/182654

**Unit Date** 1768-2014

#### **Scope and Contents**

This addendum contains materials Kemp collected, worked on, and produced, which date between 1768-2014. Items of interest include materials on early oil drilling and Kemp's trip to Canada, Fairbank Oil and the Canadian Oil Museum; materials on the Baltimore and Ohio Railroad, suspension bridges in France, the United Kingdom and the United States; mixed materials from his work on West Virginia covered bridges; paper on "Marc Seguin and the origins of the Modern Long Span Wire Suspension Bridge"; old postcards of United States and French suspension bridges and of West Virginia covered bridges; materials about King's Covered Bridge; the Wheeling Suspension Bridge and Independence Hall; an engineering paper on covered bridge restoration; mixed materials on the restoration of both Philippi and Barrackville Covered Bridges; materials from chapters of Kemp's book Essays on the History of Transportation and Technology; original documents and drawings from Bull Creek Bridge ca. 1855; a Mason-Dixon Line Map facsimile ca. 1768; The General Advertiser (Philadelphia) May 6, 1797. Also includes photos of West Virginia locks and dams, West Virginia covered bridges, Baltimore and Ohio Railroad stations/roundhouses, early West Virginia oil wells, old farm buildings, locks and dams, suspension bridges, etc.

Formats include: Photographic prints, photographic negatives, papers, drawings, newspaper, journals, postcards, facsimiles (including photocopies of originals), CDs, maps.

Subjects include: Canada, Fairbank Oil, Canadian Oil Museum, West Virginia, United Kingdom, Britain, France, Kings and Queens of Britain, Early Suspension Bridges, King's Covered Bridge, Wheeling Suspension Bridge, Wheeling Independence Hall, Wheeling Customs House, early oil drilling, early industry, West Virginia early oil drilling, Baltimore and Ohio railroad, railroad station, roundhouse, French suspension bridges, West Virginia suspension bridges, United States suspension bridges, covered bridges, West Virginia covered bridges, Philippi, Barrackville, King's, locks and dams, old postcards, West Virginia postcards, covered bridge restoration, Essays on the History of Transportation and Technology, Mason-Dixon Line, General Advertiser, Bull Creek, farm buildings

### **Print in Acrylic frameless display, "Wheeling In Virginia"**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/182662

**Unit Date** 1849

**Graphic Materials** 2 (Item)

#### **Scope and Contents**

This is a print titled "Wheeling in Virginia." Published for Herrmann J Meyer, New York. Under the print on the matting is printed this description:

The Wheeling Bridge 1849 - Ellet's celebrated bridge over the Ohio River at Wheeling, W.Va. (then Virginia), was the first in the world to span over 1000ft (305m). A series of storms revealed a fundamental fault of the garland system: the subdivision of the cables into several strands so reduced their stiffness that when combined with an inadequately stiff deck, the bridge was unable to withstand strong winds. Its superstructure ultimately was rebuilt on the two-cable system, and the deck was stiffened by deeper trusses. It stands today in this form.

"Lent by Emory L. Kemp" is printed under the description.

This print is matted and in an acrylic frameless cover for display.

Format: Print

Subject: Wheeling; Wheeling Suspension Bridge; Ohio River bridges; Hermann Meyer

### **Miscellaneous collected items**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/182665

**Unit Date** 1797-1973

**Mixed Materials** 352 (Box)

#### **Scope and Contents**

Interesting items of note include a copy of the General Advertiser, Philadelphia Pennsylvania, May 1797; The Graphic Royal Wedding Number, 1879; The Scientific American, May 1883; Wheeling photos 1888-1892; Early Oil Drilling photos in Volcano, West Virginia ca. 1800s; Carrollton Bridge photo prior to 1962; Wheeling Bridge 1849-1900 and a collection of 20 facsimile prints titled "Picturesque Beauties of Boswell" by Thomas Rowlandson. Also of interest are Baltimore and Ohio Railroad Co. items including a stock certificate from 1903, an illustration of a "View of Wheeling-The original terminus of the Baltimore and Ohio Railroad" 1860, two pages from the Illustrated London Times 1861 containing the Baltimore and Ohio Railroad Tray Run Viaduct, Kingwood Tunnel and Boardtree Hill.

Formats: Newspapers; magazines; photographic prints; facsimile prints; documents; illustration

Subjects: General Advertiser; Philadelphia; royal wedding; king; queen; British royals; Scientific American; Wheeling; early oil drilling; West Virginia; Carrollton Bridge; Wheeling Bridge; Wheeling Suspension Bridge; Boswell; Thomas Rowlandson; Baltimore and Ohio railroad; B and O; trains; stock certificates; railroad; viaducts; railroad tunnels; Kingwood

## Photographs and Postcards

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/182666

**Unit Date** 1800s-2000

**Mixed Materials** 353 (Box)

### Scope and Contents

This box contains mostly photos of farm buildings, lock and dams, Baltimore and Ohio Railroad, Chessie System Railroad Bridge, Yatesville early oil drilling, Bessemer pumping jack, West Virginia Independence Hall, and King's Covered Bridge. It also contains postcards of various subjects including Baltimore and Ohio railroad Roundhouse and Station in Grafton, WV; the Baltimore and Ohio tunnel Wetzels Cave in Wheeling, WV; the Hempfield Viaduct and the First "Needle Dam" built in the USA, Louisa, KY.

Formats: Photographic prints, photographic negatives, postcards

Subjects: farm buildings; farm house; barns; corncrib; lock and dam; Baltimore and Ohio Railroad; railroad; railroad tunnels; roundhouse; Grafton, WV; Wheeling, WV; Louisa, KY; Needle dam; early oil drilling; Chessie; Yatesville; Bessemer pump; Bessemer; oil pumping jack; Independence Hall; King's Covered Bridge; Somerset, PA; Somerset covered bridges; Wetzels Cave; Hempfield Viaduct; Viaduct

## WV Covered Bridges

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/182667

**Unit Date** 1833-1980s

**Mixed Materials** 354 (Box)

### Scope and Contents

This box contains mostly photographs of various West Virginia covered bridges. Of special interest is a collection on Philippi Covered Bridge when it burned, during reconstruction and restoration; photos of Civil War bullet holes in Philippi's Covered Bridge; a "Historic American Engineering Paper on Record" for Barrackville Covered Bridge and photos of Barrackville's bridge before and during restoration as well as a photo of Barrackville Covered Bridge prior to 1934; and brochures of West Virginia's cover bridges. Also includes documents and photos of the Carrollton Bridge Project and photos of Fish Creek; Hokes Mill; Staats Mill (Cedar Lakes); Bulltown; Milton; Laurel Creek; Indian Creek; Meem's Bottom, VA; Dents Run; Hens Mill; Cheat River; Center Point; Tygart River Bridge, Beverly, West Virginia; covered bridges in Marion County, West Virginia and Harrison County, West Virginia.

Formats: Photographic prints, Photographic negatives, documents, papers, postcards, brochures

Subjects: covered bridges; postcards; West Virginia covered bridges; Philippi Covered Bridge; Civil War; first land battle of the Civil War; Barrackville Covered Bridge; Carrollton Bridge project; Fish Creek; Hokes Mill; Cedar Lakes; Bulltown Milton; Laurel Creek; Indian Creek; Meem's Bottom; Dents Run; Dent's Run; Hens Mill; Hern's Mill; Cheat River; Center Point; Tygart River; Beverly, West Virginia; Marion County covered bridges; Granttown; Grant Town; Barrackville; Harrison County; Simpson; Fletcher; Rooting Creek

## 2014 Book Chapter Photographs and Suspension bridges

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/182668

**Unit Date** 1831-2014

**Mixed Materials** 355 (Box)

### Scope and Contents

There are photographs from Chapters 3, 4, 5, 7 and 8 of Kemps book Essays on the History of Transportation and Technology including the Weston and Gauley bridge Turnpike; Pulaski Skyway, New Jersey; origins of the modern suspension bridge; Tennessee-Tombigbee Waterway and introduction of the French Needle Dam to the United States. Other photographs include United Kingdom suspension bridges, the Cincinnati Suspension Bridge and a variety of French Suspension Bridges.

Formats: photographic prints

Subject: History of transportation and technology; Weston and Gauley Bridge Turnpike; Pulaski Skyway; modern suspension bridges; Tennessee-Tombigbee Waterway; French Needle Dams; United Kingdom suspension bridges; Cincinnati suspension bridge; French suspension bridges; Moussac; Gardon; Pont Pierre; Eyrieux; Vienne; Rhône; Ingrandes; Loire; Lyon; Saône; Tournon; Donzère; Rochemaure and Andance

### **Kemp Papers, Booklets and a Fairbank Oil Collection**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/182669

**Unit Date** ca. 1840s-2003

**Mixed Materials** 356 (Box)

#### **Scope and Contents**

Interesting items of note are a collection on Fairbank Oil and the Oil Museum of Canada; patent photos for Kemp's book on patents; papers on the origins of Ontario oil, preserving covered bridges, industrial archaeology and various other topics; booklets produced by Kemp on "Bridge Engineering History" and "Wheeling Custom House"; and a clipped magazine article from Family Magazine on "Chain Bridge Over the Potomac."

Formats: photographic prints, booklets, papers, magazine clipping

Subjects: oil wells; Fairbank Oil; Canada; Petrolia, Canada; Baines Pattern Multiple Pumper; peg well; Harwood Wells; Jones and Hammond Jack; Oil Museum of Canada; patents; Ontario oil; Pennsylvania oil wells; early oil wells; covered bridges; preservation covered bridges; industrial archaeology; bridge engineering history; Wheeling Custom House; Independence Hall; chain bridge

### **Early Industries, Bridges, and the Baltimore and Ohio Railroad**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/182670

**Unit Date** 1849-1999

**Mixed Materials** 357 (Box)

#### **Scope and Contents**

There are original documents and drawings pertaining to Bull Creek Bridge, Wood and Pleasant Counties, West Virginia; materials on Wheeling suspension bridge; Fairmont Suspension Bridge; Bridgeport Concrete Arch bridge; Baltimore and Ohio railroad roundhouses and stations; railroad bridges and trestles; various West Virginia suspension bridges; Philadelphia, Pennsylvania suspension bridge (Fairmount); and French and North American suspension bridges. There are materials of early industries from Cass, West Virginia; Kaymoor, West Virginia; and Berkeley and Morgan Counties, West Virginia. Also contains prints of mills and bridges including Jackson's Mill, Reem's Creek, and the mill on Antietam Road.

Format: postcards, photographic prints, documents, drawings, illustrative prints

Subjects: West Virginia bridges; suspension bridges; French suspension bridges; North American suspension bridges; Bull Creek Bridge; Wood County; Pleasants County; Wheeling suspension bridge; Fairmont suspension bridge; Bridgeport Arch Bridge; Baltimore and Ohio railroad; roundhouses; railroad stations; railroad bridges; trestles; Philadelphia; Fairmount; Cass; Kaymoor; Berkeley County; Morgan County; Jackson's Mill; Reem's Creek; Antietam Road mill

### **Suspension Bridges and Locks and Dams**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/182671

**Unit Date** 1768-1987

**Mixed Materials** 358 (Box)

### **Scope and Contents**

There are materials on three locks and dams in Huntington, West Virginia; French and United States suspension bridges; photos of plates from "Annales des Ponts de Chaussées" and Kemps paper "Marc Seguin and the Origins of the Modern Long Span Wire Suspension Bridge." Also, of interest is a Mason-Dixon Line map.

Format: photographic prints, postcards, paper, facsimile map

Subjects: Huntington, West Virginia; London lock and dam; Lock No 3; Marmet lock and dam; Gallipolis lock and dam; French suspension bridges; United States suspension bridges; Morgantown, WV; Warren, PA; Newburyport, MA; Broadalbin, NY; Marc Seguin; long span wire suspension bridge; Annales des Ponts de Chaussées.

### **Georgetown Aqueduct Bridge Drawings**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/182672

**Unit Date** 1830-1843

**Maps** Map Cabinet 12

**Container** 13 (Drawer)

**Container** 12 (Folder)

### **Scope and Contents**

Blueprints/drawings of the "Pont-Aqueduc de Georgetown Sur Le Potomac" or the Georgetown Aqueduct Bridge. The bridge was constructed between 1833 and 1843.

Format: drawings

Subject: bridges; aqueducts; Georgetown; Washington D.C.; blueprints

### **Series 9. Addendum of 2020, Engineering drawings, maps, other miscellaneous**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

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**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/176114

**Unit Date** 1909-2003

### **Scope and Contents**

Includes mostly engineering drawings, such as schematics, blueprints, floorplans, and maps for a variety of engineering projects throughout West Virginia and Maryland. These materials are from a variety of architects and engineers, most often Paul D. Marshall and Associates, but all pertain to projects involving Emory L. Kemp or the IHTIA. Also includes a poster titled "the Bridge at St.Louis" and a panoramic photograph of Alderson Bridge in Alderson, WV

**Engineering Drawings - Details Lighting Wheeling Suspension Bridge, United States Custom House, Wheeling, WV; IHTIA; 3 sheets**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

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**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/176115

**Unit Date** 1997

**Maps** Map Cabinet 12

**Container** 1 (Drawer)

**Container** 11 (Folder)

**Topographic Maps for Grafton and Philippi WV, Grafton and Philippi Quadrangles; 2 sheets**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/176116

**Unit Date** 1957-1977

**Maps** Map Cabinet 12

**Container** 1 (Drawer)

**Container** 12 (Folder)

**Engineering Drawings - Cass Lumber Mill, Lower Lock Gates, Restoration of Center Point Covered Bridge; 15 sheets**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/176117

**Unit Date** 1981 - 1999

**Maps** Map Cabinet 12

**Container** 1 (Drawer)

**Container** 13 (Folder)

**Creator** Kemp, Emory L.

**Creator** Paul D. Marshall & Associates

**Engineering Drawings - Westover Suspension Bridge, Wheeling Suspension Bridge; E. H. Schneider, McKinley & Associates; 4 sheets**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/176118

**Unit Date** Undated

**Maps** Map Cabinet 12

**Container** 1 (Drawer)

**Container** 14 (Folder)

**Engineering Drawings - Restoration of the Historic Putnam - Houser House, Blennerhasset Island; Paul D. Marshall & Associates; 8 sheets**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/176119

**Unit Date** 2003

**Maps** Map Cabinet 12

**Container** 1 (Drawer)

**Container** 15 (Folder)

**Engineering Drawings - Kemp Custom Bridge "Hardy Rt 6 Over Clifford Hollow"; Paul M. Boxley; 3 sheets**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/176120

**Unit Date** early 2000s

**Maps** Map Cabinet 12

**Container** 1 (Drawer)

**Container** 16 (Folder)

**Engineering Drawings - Rehabilitation Needs Mary Conrad Log House, Staats Mill Covered Bridge Relocation Project; Paul D. Marshall & Associates, Emory L. Kemp; 6 sheets**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/176121

**Unit Date** 1982 - 1989

**Maps** Map Cabinet 12

**Container** 2 (Drawer)

**Container** 7 (Folder)

**Engineering Drawings - Bridgeport Lamp Chimney Company; K. McClung; 4 sheets**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/176122

**Unit Date** 1924-1973

**Maps** Map Cabinet 12

**Container** 2 (Drawer)

**Container** 8 (Folder)

**Engineering Drawings - Restoration and Renovation of "Breezemont", Charleston, WV; Paul D. Marshall & Associates; 12 sheets**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/176123

**Unit Date** 1987

**Maps** Map Cabinet 12

**Container** 2 (Drawer)

**Container** 9 (Folder)

**Engineering Drawings - Alterations to the Hubbard House, Unknown Bridge; Paul D. Marshall & Associates; 13 sheets**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/176124

**Unit Date** 1991-1999

**Maps** Map Cabinet 12

**Container** 2 (Drawer)

**Container** 10 (Folder)

**Engineering Drawings - Roof and Structure Restoration of the Historic Mannington Round Barn; Paul D. Marshall & Associates; 4 sheets**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/176125

**Unit Date** 1994

**Maps** Map Cabinet 12

**Container** 2 (Drawer)

**Container** 11 (Folder)

**Creator** Paul D. Marshall & Associates

**Thesis and Engineering Drawings - "Stress Sheet of Sabraton Highway & Railway Bridge"; G. K. Allman, C. Swecker; 1 sheet**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/176126

**Unit Date** 1909

**Maps** Map Cabinet 12

**Container** 2 (Drawer)

**Container** 12 (Folder)

**Engineering Drawings - Blaker Mill Relocation and Restoration; Jackson's Mill Restoration Committee, Paul D. Marshall & Associates; 30 sheets**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/176137

**Unit Date** 1985-1986

**Maps** Map Cabinet 12

**Container** 2 (Drawer)

**Container** 13 (Folder)

**Creator** Paul D. Marshall & Associates

**Engineering Drawings - Design of Wooden Roof Truss, Details of Plate Girder, Floorplan of unknown bridge; Swecker; 3 sheets**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/176138

**Unit Date** undated

**Maps** Map Cabinet 12

**Container** 2 (Drawer)

**Container** 14 (Folder)

**Engineering Drawings - Restoration of Milton Covered Bridge; Paul D. Marshall & Associates; 50 sheets**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/176139

**Unit Date** 1998

**Maps** Map Cabinet 12

**Container** 2 (Drawer)

**Container** 15 (Folder)

**Creator** Paul D. Marshall & Associates

**Engineering Drawings - Repair and Restoration of First Presbyterian Church, Mannington, WV; Paul D. Marshall & Associates; 19 sheets**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

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**Unit ID** /repositories/2/archival\_objects/176140

**Unit Date** 1998

**Maps** Map Cabinet 12

**Container** 3 (Drawer)

**Container** 10 (Folder)

**Engineering Drawings - Restoration & Renovation of the Historic Opera House Pocahontas County, Marlinton, WV; Paul D. Marshall & Associates; 8 sheets**

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**Unit ID** /repositories/2/archival\_objects/176141

**Unit Date** 1996

**Maps** Map Cabinet 12

**Container** 3 (Drawer)

**Container** 11 (Folder)

**Creator** Paul D. Marshall & Associates

**Map, History, and Engineering Drawings - Bridgeport Lamp Chimney Company Bridge; Wayne S. Garrick, K McClung, E. L. Kemp; 5 sheets**

**Unit ID** [Archival Resource Key](#)

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**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/176142

**Unit Date** 1973

**Maps** Map Cabinet 12

**Container** 3 (Drawer)

**Container** 12 (Folder)

**Engineering Drawings - Barrackville Covered Bridge Restoration Project; IHTIA, P. M. Boxley; 9 sheets**

**Unit ID** [Archival Resource Key](#)

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**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/176143

**Unit Date** 1993

**Maps** Map Cabinet 12

**Container** 4 (Drawer)

**Container** 11 (Folder)

**Creator** Institute for the History of Technology and Industrial Archaeology

**Engineering Drawings - Restoration of Facades for Historic Masonic Temple, Weston, WV; Morgan & Breternitz, Paul D. Marshall & Associates; 16 sheets**

**Unit ID** [Archival Resource Key](#)

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**Unit ID** /repositories/2/archival\_objects/176144

**Unit Date** 1917,1997

**Maps** Map Cabinet 12

**Container** 4 (Drawer)

**Container** 12 (Folder)

**Engineering Drawings - Philippi Covered Bridge Restoration; IHTIA, Paul D. Marshall & Associates, WVDOH; 11 sheets**

**Unit ID** [Archival Resource Key](#)

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**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/176145

**Unit Date** 1989 - 1991

**Maps** Map Cabinet 12

**Container** 4 (Drawer)

**Container** 13 (Folder)

**Creator** Paul D. Marshall & Associates

**Creator** Institute for the History of Technology and Industrial Archaeology

**Engineering Drawings - Seneca Glass Company - Morgantown, WV, B&O RR Martinsburg West Roundhouse, B&O Railrolling Mill - Cumberland, MD, The Volcanic Oil & Coal Co. and West Oil Company Endless Wire Petroleum Pumping Operation, Ritchie County, WV; Paul D. Marshall & Associates, Frederick R. Love, Jeffrey Jenkins, Gerard M. Nerburn, Stephen A. Teeple, Bruce Cavin, Jack Esterson; 17 sheets**

**Unit ID** [Archival Resource Key](#)

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**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/176146

**Unit Date** 1970 - 1973

**Maps** Map Cabinet 12

**Container** 4 (Drawer)

**Container** 14 (Folder)

**Engineering Drawings - Chesapeake & Ohio Railroad Depot Fayette County, Thurmond, WV; IHTIA, J. Nicely, Kevin McClung; 15 sheets**

**Unit ID** [Archival Resource Key](#)

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**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/176147

**Unit Date** 1990

**Maps** Map Cabinet 12

**Container** 5 (Drawer)

**Container** 10 (Folder)

**Creator** Institute for the History of Technology and Industrial Archaeology

**Davis Avenue Bridge, Elkins, WV- Elkins Inter-Mountain Newspaper article and notes; 1 sheet**

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**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/176148

**Unit Date** 1947

**Maps** Map Cabinet 12

**Container** 5 (Drawer)

**Container** 11 (Folder)

**Poster - "The Bridge at St. Louis" - From the Collections of the Missouri Historical Society, St. Louis; 1 sheet**

**Unit ID** [Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** [Previous Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/176149

**Unit Date** 1988

**Maps** Map Cabinet 12

**Container** 5 (Drawer)

**Container** 12 (Folder)

**Panoramic Photograph of Alderson Bridge, Alderson, WV**

**Unit ID** [Archival Resource Key](#)

**Unit ID** /repositories/2/archival\_objects/180541

**Unit Date** undated

