

# ANNUAL REPORT

1990

## HABS/HAER

HISTORIC AMERICAN BUILDINGS SURVEY/  
HISTORIC AMERICAN ENGINEERING RECORD  
U.S. DEPARTMENT OF THE INTERIOR  
NATIONAL PARK SERVICE



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Architecture, engineering and technology have made important contributions to America's development. The Historic American Buildings Survey (HABS) and the Historic American Engineering Record (HAER) reflect the Federal Government's commitment to document, understand and, in some cases, preserve architectural, engineering and industrial sites that are important to our Nation's past. These programs conduct projects to document outstanding examples of this country's architectural, engineering and technological heritage. These projects produce measured drawings, written historical reports, and large format photographs which are made available to the general public through the Prints and Photographs Division, Library of Congress, Washington, D.C. 20540. Users of the HABS and HAER collections may contact the reference desk at 202-707-6399.

This report is a statement of the Historic American Buildings Survey/Historic American Engineering Record (HABS/HAER) of the National Park Service for fiscal year 1990 (ending September 30, 1990). It does not reflect the accomplishments of the other members of the HABS and HAER tripartite agreements: the Library of Congress (Prints and Photographs Division), the American Institute of Architects, and the American Society of Civil Engineers.

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U.S. Department of the Interior  
National Park Service



ACKNOWLEDGEMENTS: This report was written by the HABS/HAER staff with detailed review and recommendations by Robert J. Kapsch and John A. Burns.

COVER: Fanlight, William Hazlett House, Wheeling, WV. Delineator: Laszlo Darago, 1990.





IN REPLY REFER TO:

# United States Department of the Interior

NATIONAL PARK SERVICE

P.O. BOX 37127

WASHINGTON, D.C. 20013-7127



## MESSAGE FROM THE CHIEF

Robert J. Kapsch, Ph.D

The most important question facing HABS/HAER is how to achieve excellence in our documentation program. We are permitted to document the most outstanding cultural resources in the country, and it is expected that we will produce the finest measured drawings, photographs, and histories of these buildings and structures.

Achieving excellence is multi-faceted, beginning with the project cosponsor. Several thousand, highly professional men and women are responsible for the maintenance of virtually all nationally significant buildings and structures in this country, and it is this group that funds HABS/HAER projects as part of larger plans for preserving these structures for posterity. They demand excellence from HABS/HAER.

The White House, for example, is one of the most visited historic houses in America, welcoming approximately 1.3 million visitors a year. For the 200th anniversary of the laying of the cornerstone, White House Curator **Rex Scouten** and Chief Usher **Gary Walters** decided that a central activity for that anniversary would be the documentation of The White House to HABS standards. In that decision, they were backed by American Institute of Architects Presidents **Benjamin Brewer** and **Sylvester Damianos**, and the project was implemented by Institute CEO **James Cramer** and Vice President **Steven Etkin**, with assistance from **Bernard Myer**, Executive Director, White House Historical Association, and **James McDaniel**, Associate Director for The White House, National Park Service.

In the case of the HABS Monticello project, Executive Director **Daniel Jordan** and Curator **William Beishwanger** of the Thomas Jefferson Memorial Foundation wanted HABS drawings, in order to provide a basis for future curatorial decisions regarding the structure. With respect to our project in Charleston, South Carolina, **Lawrence Walker** and **Connie Wyrick** of Historic Charleston decided that HABS recording would be a central activity in the rebuilding of that city in the aftermath of Hurricane Hugo. Multiple year recording throughout the State of California resulted from HABS alumna **Kathryn Gualtieri's** determination that the most important sites of the State's park system be recorded.

**Randy Cooley**, Director of America's Industrial Heritage Project, believed that HAER documentation was essential to his plans for the interpretation and preservation of America's declining historic industry in southwestern Pennsylvania. **John Gingles** of the National Park Service's Maintenance Division decided that the historic bridges of the National Park System should be documented by HAER, marking the beginning of a multi-year NPS historic bridge recording project. In these and other numerous cases, excellence was expected.

Another way in which we achieve excellence is through our project leaders. Most project leaders have had several years of experience with HABS/HAER teams in the field. For example, HAER Chief **Eric DeLony** has been managing HAER projects for twenty years and HABS Chief **Paul Dolinsky** has been managing



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HABS projects for eleven years. Staff members, such as historians **Gray Fitzsimons**, **Catherine Lavoie**, **Sara Amy Leach**, and others have a minimum of four years of field experience. Typically, our project leaders have a graduate or professional degree in their fields of expertise. New project leaders, from whom much will be heard in the next several years, include architects **Joseph Balachowski** and **Frederick Lindstrom** for HABS and **Robbyn Jackson** and **Craig Strong** for HAER.

The third way HABS/HAER attains excellence is through its summer recruitment program. A national recruiting effort is launched each year to encourage architecture students, graduates in history and related fields disciplines to apply for summer employment with HABS/HAER. Measured drawing courses, often conducted by HABS/HAER alumni at various universities throughout the United States, both train and encourage students to apply. The Charles E. Peterson Prize also provides training and is used as a means for encouraging summer employment applicants. The first students to be hired are the best employees from previous summers. These individuals form the core of every project. The next students to be hired are those that have been highly rated by panels of three professionals in their respective disciplines, who evaluate their drawings or written samples. Competition is tough: only 1 in 4 architecture students and only 1 in 10 historians is hired. International interns employed through US/ICOMOS must undergo the same review process and meet the same requirements.

Fourth, we rely on published standards and guidelines to uphold the excellence achieved by our documents. Each HABS/HAER summer employee receives a copy of *Recording Historic Structures*, the standard text in the field of architectural and engineering documentation. The book is supplemented by guidelines that contain both good and bad examples of documentation.

Fifth, the project leader is responsible for quality control in the field: reviewing the measured drawings, photographs, and histories as they are produced. We frequently contract with former employees to visit our teams, and to critique the documentation prior to completion.

Sixth, toward the end of the summer, we begin to seek another review from outside professionals concerned with historic architecture and engineering. For measured drawings, we seek an exhibit at the end of the project, so that members of the larger community can inspect what has been produced and critique the success of the team. For histories, we obtain peer review to gain the necessary professional evaluation.

Seventh, the drawings, photographs, and histories are sent to the Washington, D.C. office, where they receive a final editing and review prior to transmittal to the Library of Congress.

And overlaying all of these steps is an acute sense that it is not enough that excellence be achieved, but that excellence must be achieved within the budget and time constraints agreed to. The traditional project leader December training sessions emphasizes techniques and tactics that project leaders can utilize in achieving excellence within budget and time constraints.

In the end, it is the larger historic architecture and engineering community that passes judgement on whether we have succeeded in achieving excellence in documentation. For it is that community that funds future HABS/HAER projects and which uses the HABS/HAER collections within the Library of Congress. I am pleased to report to you that HABS/HAER-funded projects are being undertaken at record levels and that our collections are the most widely-used special collections within the Library of Congress.

The search for excellence is an activity that must constantly continue. Because the staff of HABS/HAER is permitted to work on the finest and most important buildings and structures in the country, then it is necessary for HABS/HAER to produce the finest measured drawings, photographs and histories.



# FACTS AND STATISTICS

## Funding

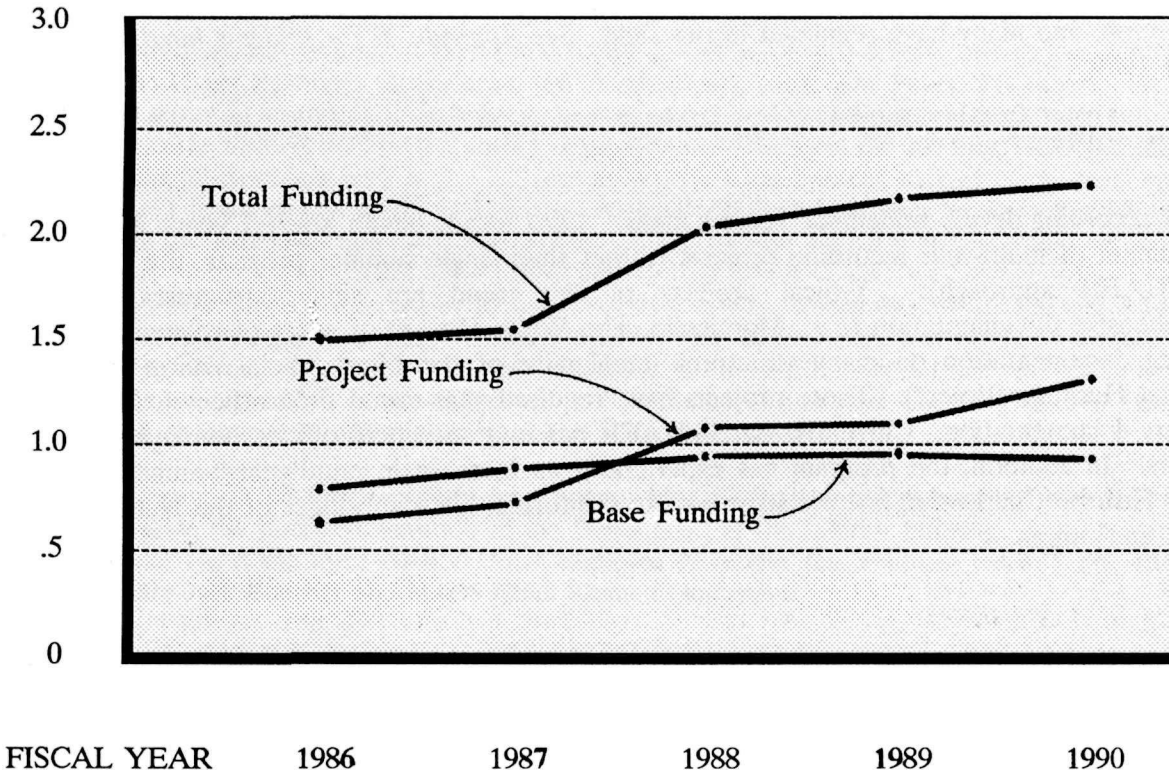
In Fiscal Year 1990, HABS/HAER received \$926,500 in National Register Programs (NR&P) appropriations funding, down from \$971,500 in Fiscal Year 1988; and \$1,320,657 in project funding (Congressional add-ons, reimburseables and donations), up from \$1,099,600 in Fiscal Year 1989.

HABS/HAER receives its base funding from the NR&P appropriation annually passed by Congress. This base funding has not been increased since 1987. The actual amount received by HABS/HAER has slightly declined (see graph below). The relative amount available for HABS/HAER operations has declined considerably due to cost-of-living pay increases, increases in the benefit rate due to the new Federal Employment Retirement System, and the transfer of charges from other units for computer and similar services. In 1991, for the first time, HABS/HAER had no NR&P appropriated funds available for categories such as travel, reproduction, supplies and materials, and equipment. In the short term, project funding can cover these deficits. In the intermediate and long term, lack of NR&P appropriations can drastically curtail HABS/HAER activities, including those that are project-funded.

A summary of HABS/HAER funding for the last five years is shown below.

### HABS/HAER Funding - FY 1986-FY 1990

DOLLARS (millions)





# FACTS AND STATISTICS

## HABS/HAER Collections

In 1990, the HABS/HAER collections exceeded 25,000 historic structures, approximately doubling the size of the collections that existed ten years ago. Transmittals to the Library of Congress included 664 structures (including 975 sheets of drawings, 6,094 photographs, and 6,991 pages of data). *See Appendix I for HABS/HAER 1990 transmittals.* The size of the collections, as of October 1, 1990, were:

		<u>HABS</u>	<u>HAER</u>	<u>Total</u>
No. of historic structures	-	22,516	2,934	25,450
No. of sheets of drawings	-	45,891	1,898	47,789
No. of large format photographs	-	106,895	31,037	137,932
No. of data pages	-	56,911	24,435	81,346

## Use of the Collections

Representing less than 1 percent of the 12 million items in the Prints and Photographs Division, the HABS/HAER collections represent over 30 percent of the usage -- being one of the most widely used special collections within the Library of Congress.

## Students

Over the years, HABS/HAER has employed over 2,500 architects, historians and photographers --approximately one-quarter of whom were employed during the decade of 1980-1990 (over 10% of those were from other countries). Usually, this employment was their first exposure to historic preservation, and many have remained in this field. *See Appendix II for students hired from 1980 through 1989.*

## Projects

Overall recording levels remain at record highs. One trend, begun several years ago, is the development of multi-year recording projects (rather than single summer projects, the traditional HABS/HAER approach). Typical projects of this trend are single structures requiring comprehensive documentation (e.g., Monticello, The White House) or areas of related resources requiring documentation on many structures (steel mills of the Monogahela Valley, America's Industrial Heritage Project). These projects have required year-round field offices to obtain the necessary documentation. Currently, HABS/HAER has four such field offices, employing 18 staff members. In addition, the program has experienced an increase in multi-year summer projects, such as Historic Charleston, historic structures in California, historic bridges of the National Park System, and others.



## HONORS AND AWARDS



*HABS/HAER Chief Robert Kapsch (left) holds Meritorious Service Medal he presented to Richard Anderson (center), while Richard and HAER Chief Eric DeLony (right) display certificate. Photographer: Jack E. Boucher*

### **Richard Anderson Receives Meritorious Service Medal**

HABS/HAER Chief Robert Kapsch presented a Department of the Interior Meritorious Service Medal to former HAER architect Richard K. Anderson, Jr. for outstanding performance in carrying out his duties. During a ceremony in the HABS/HAER office on April 12, 1990, Richard was lauded for "carrying the HAER documentation program into a new era of accuracy, thoroughness and artistic appeal that is recognized by his peers and professionals in industrial archeology, the history of technology, and architecture as a national standard."

Richard joined the HAER staff in 1978 and directed documenting such diverse sites as the Quincy Copper Mine in the Upper Peninsula of Michigan, the Picatinny Arsenal in New Jersey, and others. He provided the overall technical leadership in developing the maritime recording initiative which recorded such maritime landmarks as the historic steel-hulled, square rigger BALCLUTHA and the 200-foot TICONDEROGA, the last surviving all-passenger ferry in the U.S. equipped with a one-cylinder walking beam steam engine and others. As a result of this maritime initiative, Richard authored *Guidelines for Recording Historic Ships*, establishing the guidelines and standards by which future historic maritime vessels would be documented.

With each of the projects directed by Richard, HAER's drawing standards dramatically increased through his personal interest and creativity. On each occasion, the current standards would be exceeded by new insights. His coworkers praised him for his dedication to the HAER program that resulted in a collection of drawings unprecedented in the collections at the Library of Congress, and in a level of excellence in engineering documentation that is recognized as a national standard.

The Department of the Interior Meritorious Service Medal is a silver medal inscribed with the recipient's name alongside the inscribed elevation of the Department of the Interior building. It is accompanied by a certificate. He is the third HABS/HAER employee to receive this award in recent years, after HABS photographer Jack Boucher and HABS Chief Kenneth Anderson.

Richard received his B.A. in Architecture from the University of Pennsylvania, and his M.A. in Architecture from Princeton University. In November 1989, Richard left HAER to pursue interests in Columbia, South Carolina, where he resides with his wife, Betty, and daughter, Amelia (Ami).

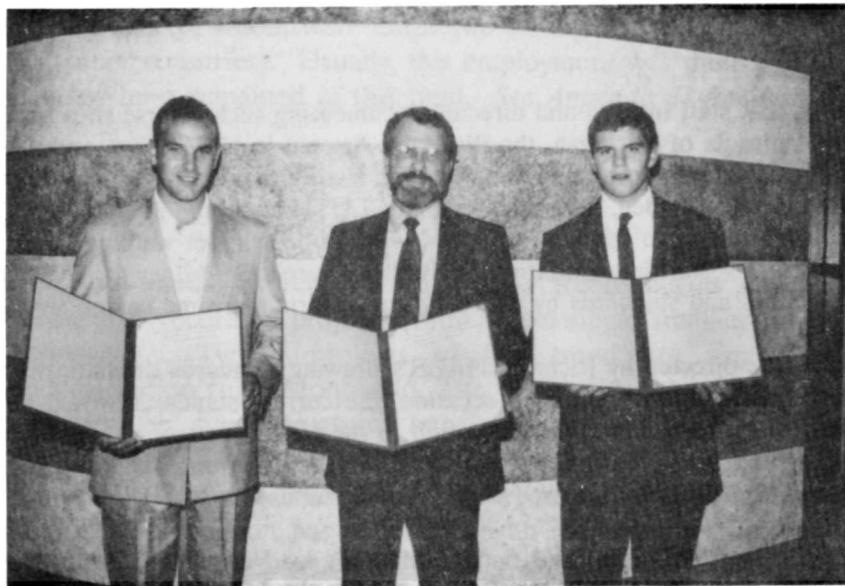
## HONORS AND AWARDS

### Charles E. Peterson Prize

The Charles E. Peterson Prize is an annual award for the best sets of architectural measured drawings of an historic building produced by students and given to the Historic American Buildings Survey. The prize honors Charles E. Peterson, FAIA, founder of the HABS program, and is intended to increase awareness and knowledge of historic buildings throughout the United States. The drawings are deposited in the HABS collection at the Library of Congress. The 1990 jurors included **Bruce Laverty** from The Athenaeum of Philadelphia, **Robert Burley, FAIA**, representing the American Institute of Architects' Committee on Historic Resources, and Christine Viña from Howard University, representing HABS.

It was an excellent year for the Peterson Prize competition. There were a total of twenty-two entries from fourteen universities. Six of the entries had National Historic Landmark status and an additional six are listed in the National Register of Historic Places. The 155 students who participated produced 122 measured drawings for inclusion in the HABS collection. The 1990 Peterson Prize awards were presented at the Fall meeting of the American Institute of Architects Committee on Historic Resources in San Francisco, California.

This is the eighth year the prize has been offered. To date, over 690 students from 38 colleges and universities have participated by completing 150 entries. They have produced 1,611 measured drawings for inclusion in the HABS collection--worth over \$1.6 million if they had been produced by HABS. The cash awards are endowed by a privately-held fund, managed by The Athenaeum of Philadelphia.

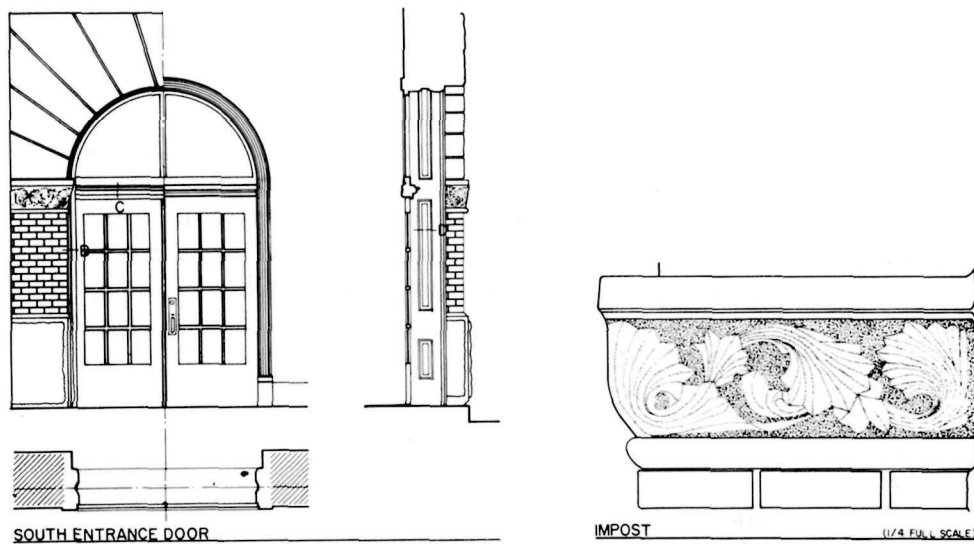


Representing the winning schools were (*left to right*): James E. Tabary, III, School of Architecture, Louisiana State University, second place; Ward Wells, Assistant Head, Department of Architecture, Texas A&M University, first place; and Dennis E. McCarthy, School of Architecture, The Catholic University of America, third place.



## HONORS AND AWARDS

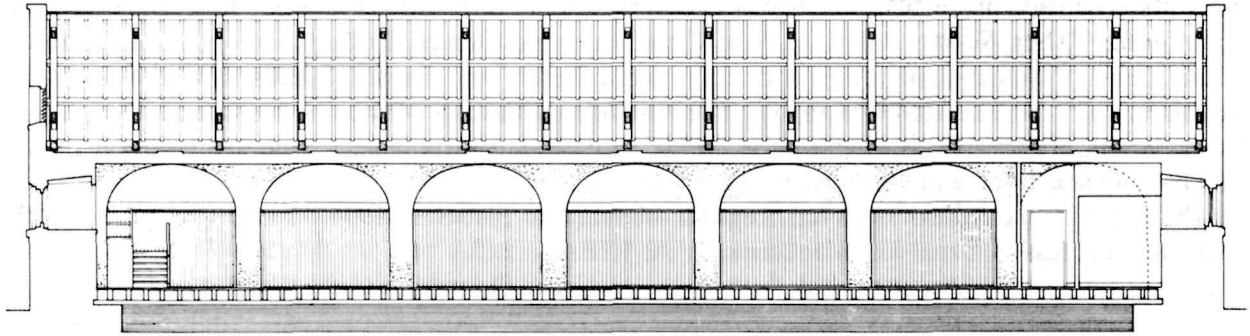
First place in 1990 and a \$1,000 award was won by a team of thirteen students, John Bienko, Tracy Eich, Peter Fisher, Carole Fulbright, Wes Good, Suzanne Graves, Robert Holton, Janna Johnson, Brian Kuper, Chris Lammers, Dean Lanuke, Kent Leach, and Patrick Sparks from the School of Architecture at Texas A&M University. They produced drawings of the Grimes County Courthouse in Anderson, Texas. Built in the early 1890s, this two-story Italianate structure was constructed of hand-molded brick and local stone. The courthouse was recorded as a Texas Historic Landmark in 1965 and placed in the National Register of Historic Places in 1974. Faculty sponsor for the team was Professor David G. Woodcock, AIA, RIBA.



*Portions of Drawing of Grimes County Courthouse (1990 First Place, Peterson Prize). Sheet 13 of 14. Delineators: John Bienko, Tracy Eich, Peter Fisher, Carole Fulbright, Wes Good, Suzanne Graves, Robert Holton, Janna Johnson, Brian Kuper, Chris Lammers, Dean Lanuke, Kent Leach, and Patrick Sparks, Texas A&M University.*

The \$750 award for second place was won by five students from the School of Architecture at Louisiana State University, Sita Nurainawati Aini, Cary Laiche, Eric Lowe, Brian Smith, and James Tabary, sponsored by Professor William R. Brockway, FAIA. They produced drawings of the National Register-listed U.S. Arsenal Powder Magazine on the Louisiana State Capitol Grounds in Baton Rouge. In 1816, the Baton Rouge Fort was selected as the site for a major ordnance depot because of its strategic location near the southwestern frontier. The 1838 powder magazine survives, even though most of the military building was razed in 1931-32 for the construction of the new state capitol.

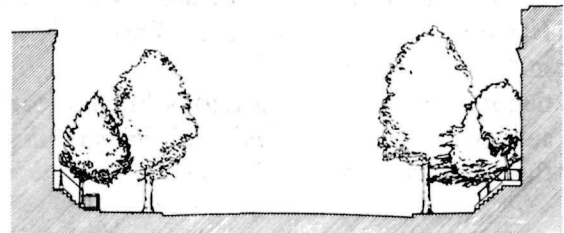
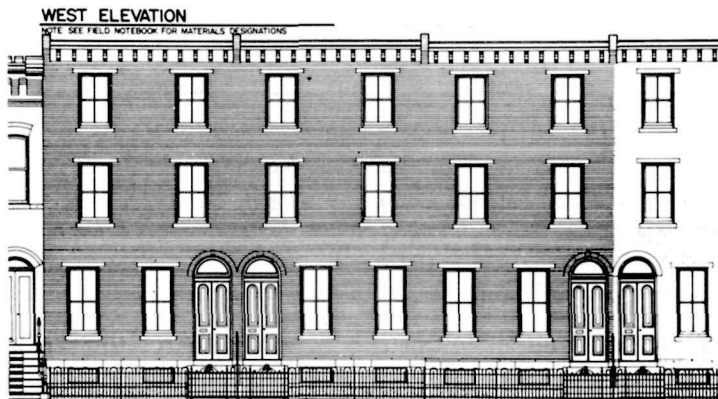
## HONORS AND AWARDS



SECTION A-A

*Portion of Drawing of U.S. Arsenal Powder Magazine (1990 Second Place, Peterson Prize). Sheet 6 of 8. Delineators: Sita Nurainawati Aini, Cary Laiche, Eric Lowe, Brian Smith, and James Tabary, Louisiana State University.*

The \$500 award for third place was given to Joel Gagnon and Dennis McCarthy of The Catholic University of America's School of Architecture. The two students produced measured drawings of 114-154 Eleventh Street, SE, a block within the Capitol Hill Historic District in Washington, D.C. This block was financed by Philadelphia tugboat manufacturer and speculator, Stephen Flanagan in 1863, and is named 'Philadelphia Row.' With over 8,000 primary buildings, the Capitol Hill Historic District is one of the largest and most visually coherent districts in the nation. Their faculty sponsor was Professor Judith M. Capen, AIA.



*Portions of Drawing of 114-154 Eleventh Street, SE (1990 Third Place, Peterson Prize). Sheet 2 of 3. Delineators: Joel Gagnon and Dennis McCarthy, The Catholic University of America.*



## HONORS AND AWARDS

In addition to the top prizes, the jury awarded Honorable Mention to seven other entries in the competition. They were:

School: University of Virginia, School of Architecture  
Students: D. Jeffrey Kidder and Steven E. Williams  
Faculty Sponsor: Professor K. Edward Lay  
Building: Pavilion VI, University of Virginia, Charlottesville, Virginia

School: Auburn University, School of Architecture  
Students: Peter R. Cranton, Murray W. Fancher, Amy E. Jones, Gillian B. Lewis, Robert Pich, James L. Sledge, Charles Upchurch, Thomas Williams, and Thaddeus T. Yonke  
Faculty Sponsor: Professor Kimberly E. Harden, AIA  
Building: Kilgore House, Opelika, Alabama

School: Tulane University, School of Architecture  
Students: Tanya Desandro, Joseph Mistich, Crystal Mitchell, Laurie Roussel, Robert Soldo, and Charmaine Walters  
Faculty Sponsor: Professor Eugene Cizek, AIA  
Building: Gallier House, New Orleans, Louisiana

School: Tulane University, School of Architecture  
Students: Craig Ackerman, Stacey Bourne, James Bry, Huyen Bui, Mark Dolan, Craig Kessels, Jack Miller, Carolyn Parker, Jeff Sandifer, Javier Santos, Ray Silverstein, James Skiba, Belinda Sosa, and Jessica Wachs  
Faculty Sponsor: Professor Eugene Cizek, AIA  
Building: Destrehan Plantation, Destrehan, Louisiana

School: University of Illinois  
Students: Jana Axelrod, Kristin Becker, Jeffrey Eaton, Steve Kuchera, Lourdes Mesa, Nancy Nakagawa, Nancy Retterer, and Dawn Walejko  
Faculty Sponsor: Professor John S. Garner  
Building: Biesman and Nolan Houses, Vacherie, Illinois

School: University of Texas at Austin  
Students: Bob Brown, Robin A. Camp, Paul Homeyer, Joo Young Hur, Tony Liew, Sandra Moon, Kristin Peterson, Henry Wagner, and Harriet White  
Faculty Sponsor: Professor Wayne Bell, FAIA  
Building: Burton Farmers Gin, Burton, Texas

School: Arizona State University  
Students: Rick E. Brazil  
Faculty Sponsor: Professor Michael Boyle  
Building: The Dome in the Desert

## HONORS AND AWARDS

### Walter E. Burkhardt Prize

The Walter E. Burkhardt Prize is an annual award presented for HABS measured drawings produced by Alabama students. The prize is sponsored by the Alabama Council of the American Institute of Architects and named in honor of the first HABS District Officer in Alabama, E. Walter Burkhardt. The 1990 awards were presented on October 25, 1990, at Auburn University, by Robert Ortega, AIA, Executive Director of the AIA's Alabama Council. The winning drawings were those of the Kilgore House in Opelika, delineated by Auburn students, and of the Tuskegee University Foundry and the Blacksmith Shop (The Band Cottage), delineated by Tuskegee students. In conjunction with the Burkhardt awards, HABS alumna Kimberly E. Harden, AIA, put together the exhibit "Historic American Architecture: Documentation Drawings by Architecture Students," which featured work by students from both Auburn and Tuskegee. This exhibit opened on October 25, 1990, at the School of Architecture, Auburn University. The 1990 E. Walter Burkhardt Prize winners were:

First Place: Murray Fancher, Auburn University, for the Kilgore House site plan and photography.

Second Place: Thomas Williams, Auburn University, for the Kilgore House section drawing.

Third Place: Peter Cranton, Auburn University, for the Kilgore House south elevation and door and window details.



*1990 Burkhardt Winners: left to right, Peter Cranton, Murray Fancher and Thomas Williams. Photograph: courtesy of Auburn University, 1990.*



## HONORS AND AWARDS

### Honorable Mentions:

Gillian Lewis, Auburn University, for the west elevation of the Kilgore House; Roderick Fluker and Carla Jackson, Tuskegee University, for the east and west elevations of the Foundry and Blacksmith Shop (The Band Cottage); and Amy Jones, Auburn University, for the upper floor plan of the Kilgore House.

At the same ceremony, HABS/HAER Deputy Chief John A. Burns presented Honorable Mention certificates in the 1990 Peterson Prize competition to Auburn students Peter Cranton, Murray Fletcher, Amy Jones, Gillian Lewis, Robert Pich, James Sledge, Charles Upchurch, Thomas Williams, and Thaddeus Yonke, for their Kilgore House drawings.

### Disaster Assistance Commendations

HABS/HAER Deputy Chief John A. Burns received a letter of commendation from National Park Service Director James Ridenour for his work as a member of the Bay Area Earthquake Assistance Team. Made up of National Park Service specialists in historic architecture and engineering, the team was dispatched to California after the Loma Prieta earthquake to assist with damaged historic buildings. Using a leased Rollei 6006 semi-metric camera, John photogrammetrically recorded nineteen earthquake-damaged historic structures in Santa Cruz, Watsonville, San Francisco, and Oakland. Most of the structures recorded have subsequently been torn down.

HABS photographer Jack E. Boucher also received a letter of commendation from Director Ridenour for his photography depicting the effects of Hurricane Hugo in Charleston, South Carolina. Two-hundred and seventy-seven large format black and white photographs of 110 buildings were taken, many of which were widely used by the media. Among the many diverse structures recorded were the Grace Episcopal Church, City Hall, St. Phillips Cemetery, the Rivera Theatre, Sullivan Island Bridge, and several warehouses. Jack's photographs also included street scenes, detail views, and views from high vantage points, all showing the devastation wrought by the hurricane.

For more information on these projects, see Disaster Response on page 22.

## ACTIVITIES

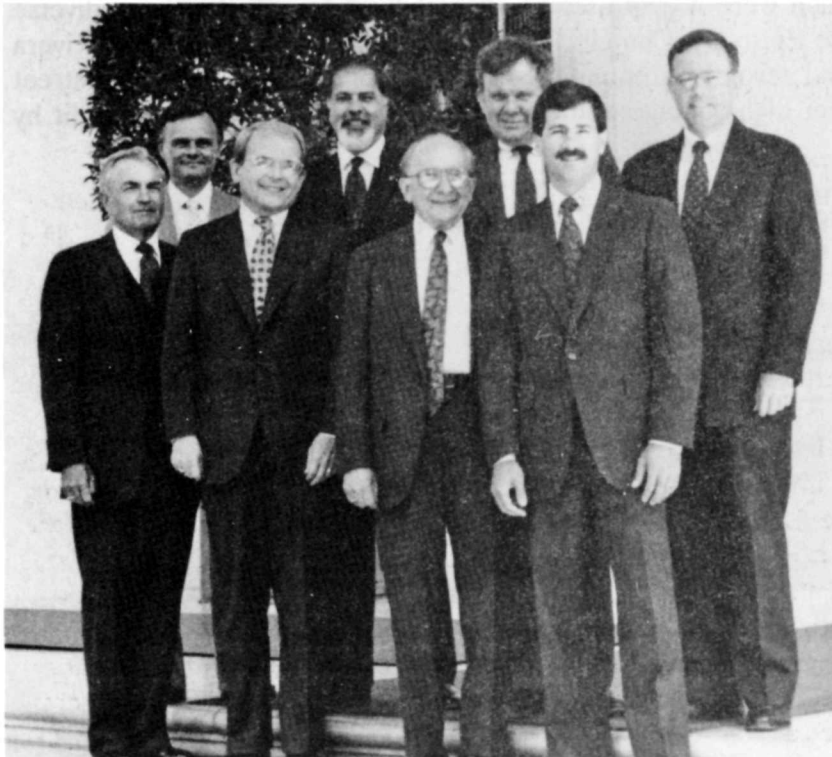
### HABS/HAER In Legislation

The Department of the Interior Appropriations Bill for Fiscal Year 1990 included the following additional line items for HABS/HAER:

- \* \$345,000 for continuation of HAER work in support of America's Industrial Heritage Project.
- \* \$160,000 for continuation of HAER work in support of the Mon Valley Steel Heritage Project.
- \* \$600,000 for the West Virginia Institute for the History of Technology and Industrial Archeology, administered by HAER.

### The White House Receives Funding for HABS Project

In a special White House ceremony on June 6, 1990, the American Institute of Architects (AIA) presented the first of several checks to the White House Historical Association for the HABS/HAER recording of the White House. Presented by AIA President Sylvester Damianos, FAIA, and accepted by White House Historical Association Executive Vice President Bernard Meyer, the check is evidence of the "AIA's total commitment to historic preservation and to recording our nation's architectural heritage. . ." HABS drawings and photographs will be used in a publication of The White House, to be published by AIA Press for the 200th anniversary of the laying of the cornerstone, in 1992.



*Those attending the presentation were, left to right, Rex Scouten, Curator of the White House; Gary Walters, Chief Usher; James Cramer, Executive Vice President/CEO, AIA; Sylvester Damianos, FAIA, AIA President; Bernard Meyer, Executive Vice President, White House Historical Association; Robert Kapsch, Chief, HABS/HAER; Steven Etkin, Group Vice President, Business Centers, AIA; and James McDaniel, Associate Regional Director for White House Liaison, National Capital Region, NPS.*



### Sally Kress Tompkins Fellowship

Immediately following HABS/HAER's Deputy Chief Sally Kress Tompkins' death on November 27, 1989, Society of Architectural Historians' (SAH) Executive Director David Bahlman, in consultation with HABS/HAER Chief Robert Kapsch, the Tompkins Family and the Executive Committee of the Society, decided to establish a fund in her memory to honor her support and commitment to the Society. On March 20, 1990, at its fiftieth anniversary meeting held in Boston, Massachusetts, the SAH President Richard Betts announced:

I am pleased to announce the establishment of the Sally Kress Tompkins Fellowship for an architectural historian to work in conjunction with the Historic American Buildings Survey and in memory of Sally Kress Tompkins. She was a respected member of the Society and a member of the Society's Executive Committee of the Buildings of the United States Publication Project. This fellowship was established by the Tompkins Family and by her friends and by her colleagues at the Historic American Buildings Survey.

The Sally Kress Tompkins Fellowship is a cooperative program between the Society and HABS, and represents the expansion of a program established but not implemented by Sally Kress Tompkins approximately a year prior to her death.

The Sally Kress Tompkins Fellows will be selected by a committee composed of representatives of the Society and HABS, and that person will work in conjunction with a HABS team to provide an architectural history for a project that would not otherwise have a history component.

Applications for the first Sally Kress Tompkins Fellow are being solicited through the Society's newsletter and were due in the offices of HABS/HAER by February 15, 1991. The first Sally Kress Tompkins Fellow will be announced at the Society's annual meeting in Cincinnati on April 24-28, 1991. The Fellowship includes a stipend of \$7,000. HABS project leader is HABS Senior Historian Kim Hoagland.

Individuals who would like to contribute to the Sally Kress Tompkins Fund may do so by sending their checks to the Sally Kress Tompkins Fund, c/o David Bahlman, Executive Director, The Society of Architectural Historians, 1232 Pine Street, Philadelphia, PA 19107-5944.

### HABS/HAER Receives First Royalty Check from AIA for "Recording Historic Structures"

On September 5, 1990, HABS/HAER received its first royalty check, in the amount of \$827.72, from the American Institute of Architects, resulting from the cooperative publication of *Recording Historic Structures*. Written by the HABS/HAER staff and edited by John A. Burns, AIA, the publication was produced to replace Harley McKee's classic *Recording Historic Buildings*, now out of print. Issued by AIA Press in September 1989, the first printing has almost been exhausted and a second printing is now being planned. A copy of *Recording Historic Structures* is provided to all HABS/HAER summer employees. The book is also used as a textbook by numerous universities. The royalty checks will be deposited into a donation account, for use in sponsoring projects, exhibits, publications, and other special ventures.

## US/ICOMOS and HABS/HAER

In 1990, the HABS/HAER/ICOMOS intern program was once again in full swing. This year, sixteen students from eleven countries made major contributions to this summer's documentation program--HABS/HAER remaining, by far, the largest sponsor of ICOMOS interns.

The exchange program, established by HABS/HAER and US/ICOMOS in 1984, is under the overall direction of Ms. Terry B. Morton, President, US/ICOMOS, and Mr. Russell V. Keune, Vice President for Programs, US/ICOMOS. Ms. Ellen Delage, Program Officer, US/ICOMOS, administers the intern program, which locates qualified applicants through the various ICOMOS committees in the participating countries. The program is administered in HABS/HAER by Deputy Chief John Burns and HABS/HAER historian Caroline Russell.

Once they have applied, the applicants are evaluated by the same criteria as their American counterparts and must possess equivalent skills in their chosen disciplines. They are also paid a stipend equivalent to that of American co-workers. HABS/HAER transferred approximately \$43,000 to US/ICOMOS in Fiscal Year 1990 to support this program.

### 1990 US/ICOMOS-HABS/HAER Summer Interns

#### **Argentina**

Martha deMena

#### **Australia**

Robert Colosimo

#### **Costa Rico**

Rafael Salazar

#### **Denmark**

Eva Kunckel

#### **Hungary**

Laszlo Darago  
Orsolya Hofer

#### **Israel**

Einat Krichman

#### **The Netherlands**

Rudolf Sosef

#### **Norway**

Inge Hareide

#### **Poland**

Janus Roman  
Joanna Winarska  
Tomas Zwiack

#### **Soviet Union**

Ivan Tchouvelev

#### **United Kingdom**

John Healey  
Andrew Stone

#### **Yugoslavia**

Tajda Ivanisevic

In addition, Ms. Laura E. Salarano from Argentina was the first ICOMOS student to spend a year at the HABS/HAER offices in Washington, D.C. In the summer of 1989, she was assigned to a teams at Yellowstone National Park and Avery Island, Louisiana. The second ICOMOS student selected for a year's assignment was Robert Giacomo Colosimo from Australia. Both worked in the HAER office.

## ACTIVITIES

Since 1984, the following ICOMOS students have participated in HABS/HAER recording:

### Argentina

Alejandro Lauria  
Mercedes Maceda  
Martha de Mena  
Laura Salarano

### Australia

Robert Colosimo

### Austria

Doris Grossing  
Gerhard Pfundner

### Canada

Sylvia Brown  
Jean-Claude Fillion  
Lauren Gruszecki  
Anne Guerette  
Murray Miller  
Sandra Moore  
Eric Neimy  
Hugh O'Brien  
Andre Potvin  
Carolyn Quay

### Costa Rica

Eric Chaves  
Rafael Salazar

### Denmark

Annette Jensen  
Eva Kunckel  
Lisbet Rosshaug

### Finland

Eva Blom

### France

Guillaume Amand  
Pascal Filatre

### Germany

Thomas Dressen  
Susanne Hutzler  
Ursula Markowitz  
Dietmar Opitz

### Hungary

Laszlo Darago  
Orsolya Hofer

### Ireland

Michael Beary  
Dermott Boyd  
Niamh Butler  
Tomas Delahunty  
Miriam Fitzpatrick  
Samuel Gaine  
John Garvey  
Bernardette Goslin  
Michael O'Boyle  
James O'Dwyer  
Sean O'Reilly

### Israel

Einat Krichman

### Jamaica, West Indies

Patrick Williams

### Japan

Yasuyuki Ito  
Satoshi Takii

### The Netherlands

Rudolf Sosef

### Norway

Inge Hareide

### Poland

Roman Sebestyanski  
Joanna Winarska  
Jakub Zemla  
Tomas Zwiack\*

### Sweden

Camilla Schylter

### United Kingdom

Jane Carmichael  
Neil Dowlan  
Joanna Downs  
Anne Evans  
Ruth Goodman  
John R. Healey  
Stephen James  
Frances Jones  
Alexandra Kettles  
Jennifer McCormick  
Anne McDiarmid

### Annabelle Radcliffe

Paul Skeet  
Andrew Stone  
Richard Terry  
Timothy Whitaker

### USSR

Aleksej Lashkevich  
Ivan Tchouvelev  
Lydia Velichko  
Dalius Vrubliauskas

### Yugoslavia

Tajda Ivanisevic

\* Fulbright Scholar



## **ACTIVITIES**

### **Historically Black Colleges and Universities Initiative**

FY 1990 was the second year of the HABS/HAER Historically Black Colleges and Universities Initiative. In FY 1989, HABS/HAER provided funds to the National Trust for Historic Preservation Personnel Program, under the direction of Greg Coble and Karen Peil, to fund measured drawing courses at Tuskegee and Hampton universities. These courses were undertaken in 1990 and taught at Tuskegee by HABS alumna Kimberly Harden and at Hampton by HABS alumnus Scott Spence. The courses were instrumental in increasing the number of Black student architects participating in the HABS/HAER summer program to six; perhaps not a large number, but the largest number participating in the HABS/HAER summer program in a decade. In addition, funds were remaining to allow the National Trust to fund internships for two students from Spelman College. Under the direction of University of Georgia Professor Tim Crimmins, one student was placed with the Atlanta Urban Design Commission and the other worked at the Georgia Trust for Historic Preservation.

Both Tuskegee and Hampton requested continuance of the program and, in 1990, HABS/HAER again provided funds to the National Trust for the continuation of the measured drawings courses.

On July 12, 1990, HABS/HAER Chief Robert Kapsch met with Harry G. Robinson, III, FAIA, Dean of Howard University's School of Architecture and Planning; Professor Victor C. W. Dzidzienyo, Chairman, Department of Architecture; and Special Assistant Christine Viña, also from Howard. The outcome of this meeting was the decision to establish a measured drawing course at Howard, similar to those at Tuskegee and Hampton, to be offered during the 1990-91 academic year with assistance from the HABS/HAER staff. In addition, it was agreed to establish an internship program, allowing Howard's best student architects to work in the HABS/HAER office. HABS/HAER agreed to fund the program, now under the direction of Ms. Zinnerman. The students were selected primarily for their fine delineation skills. The first two interns selected were Nichole Duren and Albert Debnam. HABS/HAER historian Caroline Russell is the project leader.

### **National Park Foundation and HABS/HAER**

After a decade of little contact with the National Park Foundation, HABS/HAER has begun to have much greater interaction with the Foundation. It began with the Foundation's Mary Hewes providing us substantial assistance in receiving a grant from the Cafritz Foundation to assist HABS in undertaking the study and documentation of the L'Enfant plan, under the direction of HABS historians Sara Amy Leach and Elizabeth Barthold. This is believed to be the first time the Foundation has assisted HABS/HAER. Interaction continues with National Park Foundation Director Alan Rubin and projects such as the proposed HABS/HAER-National Building Museum exhibit, "Historic Architecture in NPS." Both Alan Rubin and Mary Hewes are new to the Foundation, although not to Washington and the art of grantmanship, and HABS/HAER joins with the rest of the National Park Service in welcoming our new colleagues.

**HAER Maritime Initiative**

The fifth summer of the HAER maritime initiative was a period of regrouping and reassessing, after momentum was lost due to the death of Sally Tompkins and the resignation of Richard Anderson, the program's managers. While there were no field projects in 1990, there were two in-house endeavors. The first was the undertaking of a cooperative agreement between HABS/HAER and the Council of American Maritime Museums (CAMM), which will benefit both organizations through shared technology and expertise, educational programs, joint development of documentation projects, funding and publicity. The first act under the cooperative agreement was the initiation of a joint fellowship program in Sally Tompkins' name, to jointly fund a student on a maritime project every year. Also undertaken during the summer of 1990, was the completion of drawings of the ship BALCLUTHA, begun in 1987. Funding from the San Francisco Maritime National Historical Park made it possible for HAER architect Robbyn Jackson, who succeeded Richard Anderson as maritime project manager, and Laura Salzano, HAER architect (ICOMOS, Argentina) to finish the 69-sheet set.

# SHIP BALCLUTHA

Built in 1886 by Charles Connell and Co.

**STAR OF ALASKA**

OFFICIAL DESCRIPTION

Official No. 3882  
Rig/Type of Craft Ship  
Builder Charles Connell & Co.  
Built Scotstoun, Glasgow, Scotland

BALCLUTHA, one of only a few 19th century full-rigged ships still afloat, was launched on December 9, 1886 from the shipyard of Charles Connell & Co in Scotstoun, Glasgow, Scotland. BALCLUTHA is an anglicized Gaelic word — originally BALCULLUINN. The first part, BAL, means "place of" or "town of." CLUTHA is the Clyde River. The name is associated with Dumbarton, a shipbuilding town dominated by a formidable rock rising beside the river. It was in Dumbarton that the vessel's owner, Robert McMillan lived.

intended for the general trade, BALCLUTHA has a design typical of full-rigged ships built during the latter half of the 19th century, with steel plates riveted to frames in the "in-and-out" system. Although classified as a steel ship, the vessel was built during the period when Connell had not fully made the transition from iron to steel; her deck stanchions and all her structural members above the main deck, including the bulwark plates and masts' ribs, are wrought iron. Each mast is composed of single hollow steel spar instead of lower and topmasts, and above that is a wooden rigger's mast which also accommodates the royal. She is rigged with single topmasts and royals above double topmasts on all three masts, and has wire standing rigging set up to rigging screws, "fumbuckles." She has a "reef" forecastle deck (topmast forecastle) of the bow and a raised poop at the stern; the main deck extends continuously from bow to stern. A deck house is located on the main deck just forward of mizzen. The lower deck and the lower hold were used primarily for storage of the cargo by which she earned her living.

**PACIFIC QUEEN**

OFFICIAL DESCRIPTION

Length 256.3'  
Beam 39.0'  
Depth 17.5'  
Gross Tonnage 1862  
Net Tonnage 1590

The field work, measured drawings, historical reports, and photographs were prepared under the project management of Richard K. Anderson, Jr., HAER Staff Architect. The 1987 recording team consisted of Richard K. Anderson, Jr., Robbyn L. Jackson, Field Supervisor and HAER Staff Architect, Deborah J. Cooper, Architect, and C. Dean Gales, David W. Frisch, and Ty T. Toggam, Architectural Technicians. The 1988 recording team consisted of Richard K. Anderson, Jr., Robbyn L. Jackson, Field Supervisor, Mark T. Blinn and Chrison Dewarby, Architects, T. Paul Bates, Pamela J. McMullen, Jacqueline Yahn, Chang K. Yi, and Jennifer McCormick (US/ICOMOS, United Kingdom), Architectural Technicians. The recording teams received invaluable assistance from numerous members of the staff of the San Francisco Maritime National Historical Park, and the Maritime Museum Association, particularly Chief Museum Curator Karl Kistum who reviewed the drawings and the history, the BALCLUTHA's crew under the direction of Steven A. Hyman, Rigging Foreman and Timothy Przygocki, BALCLUTHA Rigger, who helped the team understand the ship and how she worked, and volunteer Patricia L. Warr who helped the team take field measurements and provided historical information. The measured drawings were organized and edited by Robbyn L. Jackson, HAER Staff Architect, with assistance from Laura E. Salzano, Architect (US/ICOMOS, Argentina) and Alan Galano, Architecture Technician. The historical report was written by Norman J. Browner, Historian, South Street Seaport Museum. The formal photographs were done by Jet Lowe, HAER Staff Photographer, and Russell Booth, National Maritime Museum Association.

**NOTES**

Outboard profile above is 50% photographic reduction of original drawing (See Sheet 6).

Figures on Sheets 1 and 2 are based on BALCLUTHA's Figurehead.

(SFMNHP), William G. Thomas, Superintendent. As part of the maritime initiative, a multi-year effort was undertaken by the National Trust for Historic Preservation and HABS/HAER to develop national standards for documenting historic vessels; the BALCLUTHA documentation project was undertaken to serve as an example of the use of these standards. Access to the vessel, historic data and photographs was granted by the National Maritime Museum, San Francisco, California under: Glanville Hall, Unit Manager, Golden Gate National Recreation Area (GGNRA), Brian O'Hara, General Superintendent, and the National Maritime Museum Association, under William J. Whelan, Executive Director.

## ACTIVITIES

### Sally Kress Tompkins Internship in Maritime Recording and the Council of American Maritime Museums (CAMM)

Approximately one week after the death of Deputy Chief Sally Kress Tompkins, Lynn Hickerson of the National Trust Maritime Program informed HABS/HAER Chief Robert Kapsch that she had been in contact with the leadership of the maritime preservation community and that they had requested that they do something in Sally's memory to commemorate her efforts in reestablishing a maritime recording program in the United States. During the 1930s, the Historic American Merchant Marine Survey (HAMMS), modeled after HABS, recorded over 400 ships, only one of which reportedly survives today. One of Sally's contributions to preservation was to reestablish the maritime recording function within the framework of HAER.

On May 18, 1990, a meeting was held in the HABS/HAER office to establish the Sally Kress Tompkins Internship in Maritime Recording, in honor of Sally's contribution to that field, and to encourage young architects to develop maritime delineation expertise and to assist in maritime recording. Those in attendance were Ralph Eshelman, President of CAMM and Director of the Calvert Marine Museum; J. Revell Carr, President and Director of Mystic Seaport Museum; and Peter Neill, President of the South Street Seaport Museum. HABS/HAER Chief Robert Kapsch, HABS/HAER Deputy Chief John Burns and HAER architect Robbyn Jackson represented HABS/HAER.

CAMM and HAER have entered into a cooperative agreement to implement the internship. Announcements of the internship appeared in the newsletters of the Association of Collegiate Schools of Architecture (ACSA) and the American Institute of Architecture Students (AIAS) during the winter of 1990. The winner will be announced at the annual meeting of CAMM at the Calvert Marine Museum on April 11-13, 1991.

The Sally Kress Tompkins Internship includes a stipend of \$5,000. HAER architect Robbyn Jackson is project leader for this effort.

### American Society of Civil Engineers and HABS/HAER

Curtis Deane, Managing Director of the Washington Office, American Society of Civil Engineers (ASCE) and HABS/HAER Chief Robert Kapsch entered into an agreement to produce an exhibit entitled "Spanning America," utilizing HAER photographs of historic American bridges. The exhibit previewed on November 13, 1990, and opened on December 13, 1990, at the ASCE offices, in honor of the newly-elected ASCE President James E. Sawyer. The exhibit was produced by HABS/HAER historian Caroline Russell and Susan Sarver of the ASCE. Captions were provided by Dean Herrin, HAER historian.



### **Chadwyck-Healey Cooperative Agreement**

On October 5, 1990, HABS/HAER Chief Robert Kapsch and Records Section Chief Georgette Wilson met with Chadwyck-Healey President Susan M. Q. Severtson to discuss future cooperative agreements between Chadwyck-Healey and HABS/HAER. An agreement was reached, in principle, to cooperate to produce an index to the HAER/HAER records produced on microfiche. The HABS/HAER data base will be used to produce a product, which may be CD-ROM or some other format.

Chadwyck-Healey is currently microfiching the remainder of the HABS/HAER collection. The first microfiche project microfiched HABS photographs and data pages data from 1933 to the end of 1979 but did not include HABS drawings or any HAER documentation. This edition, marketed for \$5,000, is a microform bestseller having sold, in complete or partial copies, to over 100 institutions.

Since the first microfiche edition, HABS/HAER has approximately doubled the size of the HABS/HAER collections within the Library of Congress. Chadwyck-Healey is currently microfiching the HABS/HAER documentation transmitted to the Library of Congress since the end of 1979, all HABS drawings and the entire HAER collection. This edition will market for \$12,950. Chadwyck-Healey is also assisting HABS/HAER through assigning Ms. Ann Saver to assist the Library staff in accessioning the unaccessioned material into the permanent HABS/HAER collections within the Library of Congress.

For more information on the HABS/HAER collections on microfiche or on the forthcoming index to that microfiche, please contact Chadwyck-Healey, Inc., 1101 King Street, Alexandria, Virginia 22314, 703-683-4890.

### **HAER Cooperation on Submerged Cultural Resources**

On September 25, 1990, Chief Robert Kapsch met with Daniel J. Lenihan, Chief; Larry Murphy; and other members of the Submerged Cultural Resources Unit (SCRU) in Santa Fe, New Mexico, to discuss cooperative activities between HAER and SCRU. HAER has tentatively agreed to provide a summer architecture technician, who will dive with SCRU professionals in order to record historic ships and to redraw SCRU drawings onto HAER mylar. The drawings will be accessioned and made available to those who utilize the HAER collection at the Library of Congress. An excellent example of these drawings, and one particularly deserving of processing into the HAER collection, is the deck plan of the USS ARIZONA. In addition, HAER photographer Jet Lowe will dive with the unit to explore the possibility of producing archival quality, large-format photographs of underwater resources.

The projected project for the summer of 1991 is the recording of underwater resources in and around Key Biscayne, Florida. This represents an extension of the maritime initiative established in 1985 by Sally Tompkins and led by HAER architect Richard Anderson. This effort is currently under the leadership of HAER Chief Eric DeLony and the immediate supervision of HAER architect Robbyn Jackson.

## **ACTIVITIES**

### **1990 TICCIH Conference**

This year, Belgium hosted the 7th International Congress for The International Committee for the Conservation of the Industrial Heritage (TICCIH). About 170 delegates from six continents (with strong representation from Eastern Europe) convened in Brussels from September 2-8, to discuss the industrial heritage in a global context. For seven days, delegates participated in work sessions, tours, and a general assembly. Eric DeLony, HAER Chief, was part of the American delegation and presented a paper entitled "Documenting the Legacy: 20 Years of the Historic American Engineering Record."

The United States remains one of the foremost countries in the world in identifying, documenting and protecting the buildings, structures, and objects of industrialization. No other country has as comprehensive program as HAER, and with the industrial heritage corridors being created by the National Park Service, few countries are interpreting and preserving the industrial past as thoroughly as the United States.

Louis Bergeron of France was elected the new president of TICCIH. Steve Victor of New Haven, Connecticut, is the American representative. Spain will host the next conference in 1992, Canada in 1994.

### **Death Valley Historic Mining Workshop**

Because the price of gold has risen to \$370-400 per ounce, and because new, inexpensive technologies make profitable the reworking of tailings of the last gold rush, dozens of mining companies have descended on the gold fields of the west in a twentieth century equivalent of the California Gold Rush. Historic mining resources also are threatened with governmentwide reclamation programs that close abandoned mine openings and remove potential liabilities like old mill buildings and headframes. What remains of America's historic mining sites is threatened with extinction over the next decade if something is not done now to protect these resources. In response to this threat, one hundred park managers, interpreters, historians, engineers, architects, and archeologists from state and federal parks, as well as mining scholars, preservation consultants and representatives from government agencies met for a week in Death Valley during January 1989, to discuss hard-rock mining resources in the West. The focus of the workshop was to determine how to protect, preserve, document and interpret historic mining sites. The workshop goal was to begin the process of identifying mining sites with extant resources of historic value; protect the most important sites, where possible; salvage important artifacts, machinery and equipment that cannot be saved; and promote the concept of documentation to HAER standards.

The workshop was organized by HAER Chief Eric DeLony and Robert Spude, Chief, National Preservation Programs, Rocky Mountain Regional Office, NPS, and hosted by Ed Rothfuss, Superintendent, Death Valley National Monument.

### West Virginia University Institute for History of Technology and Industrial Archeology

For Fiscal Year 1990, Congress appropriated \$600,000 for the establishment of the Institute for the History of Technology and Industrial Archeology at West Virginia University. Founded by HAER supporter Dr. Emory Kemp, the Institute represents the second academic institution established to study historic architecture and engineering (following the University of Delaware's Center for Historic Architecture and Engineering, established by Dean David Ames).

The Institute is both academic and professional, and will support public and private programs and projects concerned with the history of technology, industrial archeology and the preservation of engineering works. The Institute serves not only projects throughout West Virginia and the Appalachian Region, but also those of national significance elsewhere.

The Institute's first year work plan includes the Philippi Covered Bridge restoration; a HABS/HAER recording project in Wheeling, West Virginia; the Milton Covered Bridge Study; a study of the Delaware and Raritan Canal Tidelocks; an investigation of the non-destructive testing of historic materials; the Bonnet Carre' Spillway Study; the development of a history of the northern West Virginia coal fields; the development of National Register nominations, and other projects.

The Institute established an advisory committee, consisting of:

- \* Randy Cooley, America's Industrial Heritage Project, NPS
- \* William M. Drennen, Commissioner, Division of Culture and History, State of West Virginia
- \* Brent D. Glass, Executive Director, Pennsylvania Historical and Museum Commission
- \* Robert J. Kapsch, Chief, HABS/HAER, NPS
- \* Gerald E. Lang, Dean, College of Arts & Sciences, West Virginia University
- \* Ronald L. Lewis, Chair, Department of History, West Virginia University
- \* Steven Lubar, Division of Engineering and Industry, National Museum of American History, Smithsonian Institution
- \* William W. Reeves, Secretary, West Virginia University Research Corporation
- \* Martin Reuss, Senior Historian, Office of History, U. S. Army Corps of Engineers
- \* David A. Simmons, TIMELINE, Ohio Historical Quarterly
- \* Katherine H. Stevenson, Associate Regional Director, Mid-Atlantic Regional Office, NPS

The first two Institute staff members hired are both HAER alumni: Billy Joe Peyton and Michael Workman. Robert Kapsch is HABS/HAER Program Administrator. Funding for FY 1991 is \$795,000.

The HABS/HAER staff wish their new colleagues in Morgantown great success for the Institute for History of Technology and Industrial Archeology!



## ACTIVITIES

### Disaster Response

After Hurricane Hugo devastated Charleston and surrounding counties in South Carolina, the National Park Service, at the request of Historic Charleston, formed a team of specialists to assist local authorities in responding to the challenge of repairing the damage. Community leaders, building owners, and preservationists all worked together towards the common goal of restoring Charleston's National Historic Landmark District. HABS photographer Jack E. Boucher spent ten days chronicling the damaged historic structures. His photographs were used immediately to focus public attention on the extent of the damage. The 260 photographs will become part of the HABS collection. HABS alumnus E. Blaine Cliver was also a member of the team.



*This structure was once part of a block of 19th century commercial buildings with cast-iron storefronts in the 3100 block of Haynes Street in Charleston. Photograph by Jack E. Boucher.*

Following the earthquake in Loma Prieta, the National Park Service formed its second disaster response team. Called the Bay Area Earthquake Team, the group was formed to help local preservationists assess the potential for saving historic buildings damaged by the earthquake. HABS/HAER Deputy Chief John A. Burns was recruited to document severely damaged, but still standing, historic buildings, using the Rollei 6006 camera that had been used in the CAD-photogrammetric demonstration projects the previous summer. Photogrammetry was an ideal documentation technique because it allowed unstable structures to be recorded without having to touch them. Risk to the recorder was reduced--virtually all of the structures were in cordoned-

off, restricted areas. Within the restricted areas, access to individual buildings was often further restricted. The Rollei system allowed the recorder to travel light, work quickly and independently, and photograph from a reasonably safe distance. Survey control targets were set up on the sidewalk or street in front of each building. In five days, a total of nineteen damaged buildings were recorded in 252 photogrammetric photographs. Unfortunately, nearly all of the documented buildings have been torn down. They will survive only in the photographs in the HABS collection. HABS alumnus E. Blaine Cliver was on this team as well.



*The Golden Gate Bank, 235-237 Front Street, San Francisco, California, subsequently demolished. Photograph by John A. Burns, A.I.A.*

One of the most important lessons learned from Hurricane Hugo and the Loma Prieta earthquake is that adequate documentation of cultural resources has to be a major component of preservation planning and protection. Legal and economic measures cannot prevent natural disasters or accidents. Partly as a result of Hurricane Hugo, HABS began, in cooperation with the Historic Charleston Foundation, a multi-year effort to record the most significant structures in the Charleston landmark district. Following the success of the demonstration projects and post-earthquake documentation, HABS/HAER has accelerated its program to acquire a CAD-photogrammetric capability.

## **ACTIVITIES**

### **HABS/HAER Celebrates the 100th Anniversary of Rock Creek Park**

On August 4, 1990, HABS/HAER opened an exhibition entitled "BUILT PLACES IN GREEN SPACES: Images of Washington-Area Parks," in celebration of the 100th anniversary of Rock Creek Park, in Washington, D.C. The park was given national status in 1890 and consists of 1,750 acres between the Potomac River and the Maryland and District line. It boasts of a national zoo, bike and jogging trails, and tennis and golf courts. The exhibition was housed in Pierce Mill, an 1820 structure restored by the National Park Service and the last of several mills that once harnessed Rock Creek's waterpower to make flour and cornmeal. The exhibition featured photographs of local sites, such as Meridian Hill Park, Dumbarton Oaks, Frederick Douglass Home, Congressional Cemetery, Gallaudet College, Rock Creek Park and the Mall, all in Washington, D.C., as well as the parks along the Potomac River and some bridges throughout the Washington metropolitan area. It was supported by Rolland Swain, Superintendent of Rock Creek Park, and organized by HABS historians Sara Amy Leach, Caroline Russell, Elizabeth Barthold, and HABS architect Joseph Balachowski, and was cosponsored by the National Capital Region of the National Park Service. It opened in early August, in conjunction with the office picnic and remained on display through September 30, 1990, and was reviewed by the Washington Post in its "On Exhibit" column on August 24, 1990.

### **Bethlehem Steel Exhibition**

The HAER recording of the BethForge Division of Bethlehem Steel was the subject of the Canal Museum's changing exhibition that opened on November 11, 1990. Sponsored by the Lehigh-Delaware Navigational Canal National Heritage, the Hugh Moore Historical Park and Museums, the Historic American Engineering Record (HAER) and the South Bethlehem Historical Society, the exhibition focused on the photographs, plans and drawings of the historic BethForge, produced by the HAER team and featured an exploration of the interrelationship of the growth of Bethlehem Steel and the development of South Bethlehem's ethnic communities. Following its display at the Canal Museum, the exhibition will be placed on loan with the South Bethlehem Historical Society, which will arrange for its temporary installation at a Bethlehem location. HAER Chief Eric DeLony was project leader.

### **NCSHPO Exhibition**

Over the years, HABS/HAER has cooperated with state agencies to record historic structures and sites across the country. On March 28, 1990, during the annual meeting of the National Council of State Historic Preservation Officers (NCSHPO) in Washington, D.C., HABS/HAER sponsored an exhibition and breakfast to coincide with the meeting. The exhibition, entitled "Partners for Preservation: HABS/HAER Works with State Agencies," was displayed in the Hotel Washington Ballroom. Representatives from Louisiana, California, Arkansas, and Maryland, states that had previously cosponsored projects, discussed the benefits from their association with HABS/HAER. HABS/HAER historian Caroline Russell was project leader.

### "FOR THE RECORD" HABS/HAER Exhibit at National Building Museum

"FOR THE RECORD: How the Historic American Buildings Survey/Historic American Engineering Record Document America's Heritage," an exhibition explaining the HABS/HAER process of recording historic structures, made its debut on December 14, 1989, at the National Building Museum in Washington, D.C. Organized by the museum and HABS/HAER, the exhibition, which contained photographs and measured drawings of structures documented by HABS/HAER in 1989, remained on display from December 1989 through February 1990. It has been converted into a travelling exhibition, available from the National Building Museum, 4th and G Streets, NW., Washington, D.C. A documentary video, prepared by the National Association of Home Builders, recorded teams during the documentation process at Scotty's Castle in Death Valley, California, and Avery Island Salt Works in Louisiana and complemented the exhibition. Copies of the video are available from the HABS/HAER office (see Publications section).

### National Building Museum/Historic Architecture of NPS Exhibit

On August 6, 1990, the president and director of the National Building Museum Mr. Robert Duemling met with HABS/HAER Chief Robert Kapsch. At that meeting it was decided that HABS/HAER would support the National Building Museum in mounting an exhibition of HABS and HAER drawings and photographs depicting the historic architecture of the National Park Service. While best known for its great western parks like Yosemite and Yellowstone, the National Park Service also manages over 16,000 historic structures across the country. This exhibit, intended to travel, will focus on the wonderfully diverse structures within the National Park Service.

Planning is currently in the rudimentary stage but already sufficient funds have been set aside to make this exhibition a reality. Mr. Alan Rubin, president of the National Parks Foundation, working along with the National Building Museum staff, has initiated a search for additional grants, so that this exhibition will have the national focus and scope that the historic resources of the National Park Service deserve. HABS/HAER historian Caroline Russell is project leader, working with personnel from the National Building Museum and HABS/HAER.

### Creating A Record, AIA Symposium

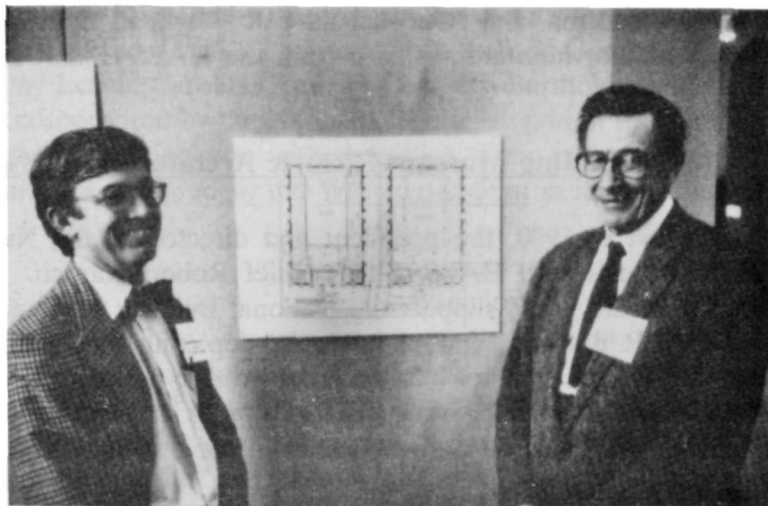
The symposium "The Role of the Architect in Historic Preservation: Past, Present and Future," was convened on February 2, 1990, to commemorate the centennial year of the American Institute of Architects' Committee on Historic Resources. As part of the symposium, the National Building Museum mounted a second HABS exhibition, **Creating a Record**, to complement the exhibition, **For the Record**, already on display. The fifty measured drawings and photographs exhibited in **Creating a Record** represented documentation produced by architects working for the Historic American Buildings Survey, from its founding in 1933 until World War II. Guest curator for the **Creating a Record** exhibition was HABS/HAER Deputy Chief John A. Burns.



## ACTIVITIES

The exhibit well illustrated HABS' reliance on graphic documentation--principally architectural measured drawings--to record historic buildings for posterity. The standards and ideals of the first recording efforts were evident in these measured drawings. There were homes of the famous--"Springwood," Franklin Roosevelt's ancestral home--and the unknown--Gustave Rohrich's sod house. Some buildings, like the Brick House, were recorded as ruins, but then "restored" in the drawings. Still, others represented different cultures: Spanish colonial churches, a French cottage, an Indian ceremonial cave. The drawings in this exhibition presented a wide variety of building and structural types, and geographic and cultural traditions. Some structures were designed by noted architects, but most were the work of anonymous builders. The architects who measured and drew them are likewise varied. Some were already well known in the 1930s, some achieved fame later, and others are best known by the exquisite renderings that are their legacy.

*Photographed at the National Building Museum's exhibit, "Creating a Record". Nicholas H. Holmes, III, AIA (left) and Nicholas H. Holmes, Jr. FAIA, (right) in front of HABS drawing of the Government Street Presbyterian Church in Mobile, Alabama, drawn by Nicholas, Sr., in 1934. The Holmeses are the only three generation HABS alumni family.*



*Springwood (west elevation). The house was recorded in 1941 by architects Frank Chouteau Brown and Daniel M.C. Hopping. These drawings were used forty years later by NPS architects in repairing extensive fire damage to the ancestral home of Franklin D. Roosevelt.*

### Prince George's County, Maryland, Photodocumentation Exhibition

On May 14, 1990, the second annual exhibition opened at the restored "Darnall's Chance" in Upper Marlboro, Maryland, as a result of a cooperative agreement between HABS and the Maryland National Capital Park & Planning Commission, acting on behalf of the Prince George's County Historic Preservation Commission (HPC), to document historic sites throughout the county. The exhibition, which displayed photographs of fifteen historic sites in Prince George's County and marked the end of the first year's effort and the beginning of the second year, was also opened in observance of Preservation Week.

The large format photographs were taken by HABS photographer Jack E. Boucher. The images were selected and the exhibition assembled by HABS historian Catherine C. Lavoie, along with HPC Director Gail Rothrock and HPC Research Historian Susan G. Pearl, who were also instrumental in the project.

### Historic Charleston/National Trust Exhibition

During the last convention of the National Trust for Historic Preservation in October of 1990 in Charleston, South Carolina, the Historic Charleston Foundation hosted an exhibition of the HABS summer project. The exhibition--which was displayed at the Foundation offices on Meeting Street in downtown Charleston--featured measured drawings of Market Hall, the Alston House, the Blake Tenement and Snee Farm, and large-format photography of these structures by noted photographer and photography instructor John McWilliams of Georgia State University, who photographed these structures for HABS during the summer of 1990.

Conference participants learned first-hand the importance of architectural documentation in the context of a city vulnerable to natural disasters such as Hurricane Hugo in 1989. The drawings and photographs showed buildings as left by the hurricane, as well those left relatively unscathed or recently repaired.

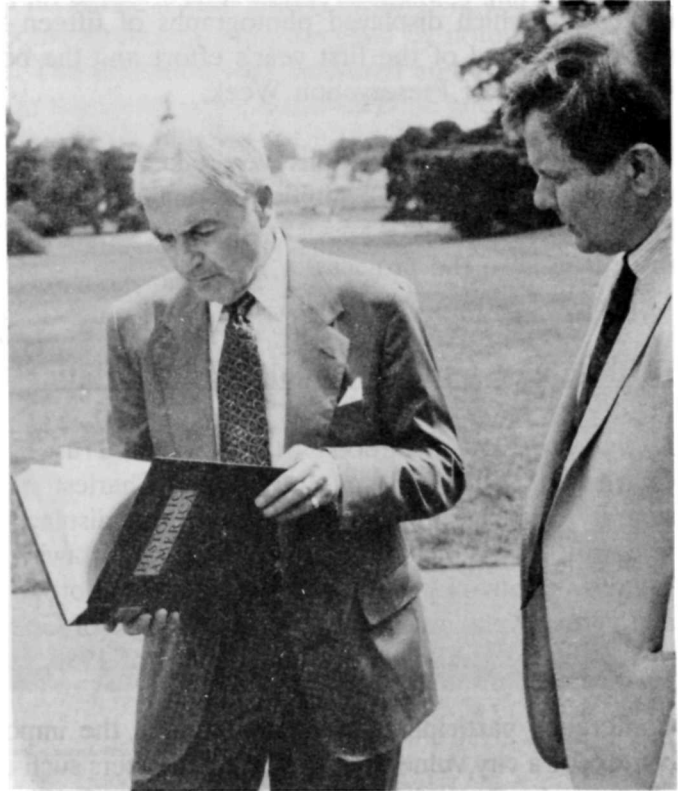
The exhibition was designed and assembled on site by HABS Chief Paul Dolinsky, HABS architects Joseph Balachowski and Frederick Lindstrom, and HABS Records Section Chief Georgette Wilson; assembly and financial support was generously provided by the Historic Charleston Foundation through Director Lawrence A. Walker, Director of Development Connie Wyrick, and assembly assistance was provided by Foundation staff members Nancy Rowe and Lymon McCallum.

## ACTIVITIES

### HABS/HAER Picnic/Tours

The weekend of August 4-5, 1990, was devoted to the annual HABS/HAER picnic, held this year in Rock Creek Park, in Washington, D.C. and to related tours of Washington's architectural landmarks. On Saturday, approximately sixty team members and office staff toured the Old Executive Office Building and the recently-restored U.S. Treasury Building, followed by an informative and comprehensive tour of the White House, which is currently undergoing exterior restoration. HABS/HAER Chief Robert Kapsch presented a copy of *Historic America* to Curator of the White House Rex Scouten at the conclusion of the tour. That evening, a reception/exhibit was held at Pierce Mill in Rock Creek Park (see Exhibits section). On Sunday, many team members took a morning ride along the Chesapeake & Ohio Canal by way of mule-drawn barge. The picnic, held that afternoon, offered a catered menu of barbecued chicken, cold salads, brownies, and soft drinks.

Despite the muggy and rainy weather, entertainment included badminton and volleyball matches. Of a more sedentary nature, a display of T-shirts, produced by past HABS/HAER teams and depicting structures documented by those teams, drew attention and praise. The forty-or-so artifacts, suspended appropriately along clotheslines, reflected projects dating back to the 1970s. HABS/HAER Chief Robert Kapsch provided the most T-shirts, sixteen collected from 1980-1990; HABS/HAER Deputy Chief John Burns provided the oldest, San Mateo Project (1974); and HAER Chief Eric DeLony provided the most HAER T-shirts for the display.



*HABS/HAER Chief Robert Kapsch presents a copy of Historic America to White House Curator Rex Scouten.  
Photographer: Robert Colosimo*

## ACTIVITIES



Those in attendance on the White House tour were:

(1) John Healey (Massachusetts Bridges), (2) Gregory Jorgensen, (3) Julianne Jorgensen (HABS), (4) Ken Rose (A.I.H.P.), (5) Kim Wallace (A.I.H.P.), (6) Roman Sebastyanski (Pierce Mill), (7) Robert Kapsch (HABS/HAER), (8) Elizabeth Barthold (L'Enfant-McMillan Plan of DC), (9) Richard Renaud (A.I.H.P.), (10) Gary Koll (A.I.H.P.), (11) Robert Colosimo (A.I.H.P.), (12) Craig Strong (Bethforge), (13) Vicki Fleming (A.I.H.P.), (14) Laura Salarano (HAER), (15) Janet Chen (A.I.H.P.), (16) Scott Brown (A.I.H.P.), (17) Ronald Bailey (White House), (18) Ranne Rhee (White House), (19) Jorge Sein (White House), (20) Guest, (21) Guest, (22) Mark Radven (Wheeling), (23) Marsha Miller (MD Trust for Historic Preservation), (24) Guest, (25) John Eberly (Bethforge), (26) Timothy Buehner (Monticello), (27) Roderick Fluker (Pierce Mill), (28) Analina Salarano, (29) Pam Burdick (Bethforge), (30) Guest, (31) George Bedinger, (32) Alice Bojanowski (HABS), (33) Sara Amy Leach (HABS), (34) Caroline Russell (HABS/HAER), (35) Sarah Heald (A.I.H.P.), (36) Joseph Balachowski (HABS), (37) Dean Herrin (HAER), (38) Peg Klunk (NPS)



## PEOPLE

### Promotions



*John Burns, AIA, new deputy chief of HABS/HAER, the second to hold that position.*

At the Centennial meeting of the American Institute of Architects Committee on Historic Resources, HABS/HAER Chief **Robert Kapsch** announced the selection of HABS/HAER Principal Architect **John A. Burns, AIA**, to be deputy chief of HABS/HAER, the second, after Sally Tompkins. One of his current projects is to develop a HABS/HAER photogrammetric capability and standards for documenting historic structures. John has been with the HABS/HAER program since 1972, after graduating from the Pennsylvania State University with a Bachelor of Architecture Degree and a Bachelor of Arts Degree in Art History. He was editor-in-chief for the HABS/HAER manual on documentation, *Recording Historic Structures*. He is manager of the Charles E. Peterson Prize. A Registered Architect, he is a member of the American Institute of Architects Committee on Historic Resources.

At a exhibition/reception hosted by HABS during the annual meeting of the National Trust for Historic Preservation, Chief **Robert Kapsch** announced the appointment of HABS Principal Architect **Paul D. Dolinsky** as the fourth chief of HABS. He follows HABS chiefs James Massey, John Poppeliers, and Kenneth Anderson, AIA. A veteran of eleven years of service with HABS, Paul managed many diverse, successful projects, including the newly-initiated program to document American landscapes. His current projects include nationally prominent structures, such as the White House, Monticello, the historic structures of Charleston, and many others. Paul received his B.A. in Landscape Architecture from Penn State University and an M.A. in Architectural History from American University.



*Paul Dolinsky, new Chief of HABS--the fourth in fifty-seven years*



*Georgette R. Wilson, new HABS/HAER Collections Management Specialist*

In August 1990, **Georgette R. Wilson** assumed the duties of Collections Management Specialist, following the resignation of **M. Ellen Minnick**. Georgette began her Federal career in 1989, as a Social Science Technician, responsible for the input from data input sheets into the HABS/HAER data base, for producing monthly computer reports and collection statistics and distributing them throughout the National Park Service, and for assisting in the transfer of documentation to the Library of Congress. In her new capacity, she will manage the Division's Records Section, overseeing the reproduction and transmittal of records, act as liaison between HABS/HAER and the general public interested in the HABS/HAER collection, and between the Division and the NPS regions concerning the production and transfer of documentation to the Washington Office. Georgette received a B.A. in Business Administration from Marymount University.

### New Faces

**Douglas Anderson**, HABS Architect, North Dakota State University

**Robert Arzola**, HABS Architect, Texas Tech University

**Robert G. Colosimo**, HAER Architect, Royal Melbourne Institute of Technology, Australia  
[ICOMOS]

**Sarah H. Heald**, HAER Historian, University of Delaware

**Dean A. Herrin**, HAER Historian, University of Delaware

**Paul Homeyer**, HABS Architect, University of Texas

**Gillian Lewis**, HABS Architect, Auburn University

**Christopher H. Marston**, HAER Architect, Carnegie-Mellon University

**Richard J. O'Connor**, HAER Historian, University of Pittsburgh

**Kenneth D. Rose**, HAER Historian, University of California, Los Angeles

**Tina B. Webb**, Clerk-Typist, U.S. Postal Academy

**Isabel C. Yang**, HABS Architect, University of Maryland

### On the Move

**M. Ellen Minnich**, HABS/HAER Collections Management Specialist, to home duty.

**Laura E. Salarano**, HAER Architect [ICOMOS], to the private sector.

### Return to Duty

**Alison K. Hoagland**, HABS Senior Historian, returned from sabbatical.

## PEOPLE

### IN REMEMBRANCE . . . .

During 1990, the preservation movement and HABS/HAER lost two of its staunchest supporters:

**DOROTHY REGNERY**, who spent more than 30 years documenting the history of California and obtained official historic status for 57 sites, died of lung cancer in April at Stanford University Hospital. She was 72. A trained chemist who never studied history in school, Dorothy published several historical articles and two books, "The Battle of Santa Clara," and "An Enduring Heritage," which in 1976 won an award from the American Society of University Professors as one of the 25 best books published that year. Her contributions to the preservation of California's significant historical resources included nominations of the State Library and Courts Building to the National Register of Historic Places and numerous properties in San Mateo and Santa Clara counties to state and national registers. In a recent project, Mrs. Regnery worked for more than five years completing the documentation necessary to declare the 133-year-old Leland Stanford House in Sacramento a National Historic Landmark and researching the house's history in order to restore the house accurately. Through her leadership, the town of Benicia in Solano County and a dozen resources in San Mateo County were documented by HABS during the 1970s; the Leland Stanford House in 1986.

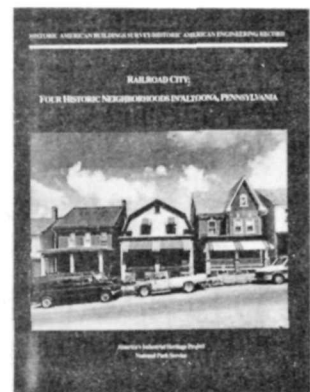
A native of Montana, Dorothy attended college and taught school on a Crow Indian reservation there, before earning a master's degree in chemistry at Pennsylvania State University and working for the Army as a textile consultant. After World War II, she moved to California with her husband, biologist David Regnery, when he joined the faculty at Stanford. Dorothy is survived by her husband, three children, and two grandchildren.

**CHARLES van RAVENSWAAY**, a retired museum director and specialist in American frontier history, died of cancer on Tuesday, March 20, in Cokesbury Village, a retirement community in Hockessin, Delaware. He was 78. Born in Boonville, Missouri, Charles earned his bachelor's and master's degrees at Washington University, St. Louis. He was a Navy veteran of World War II, serving in the Pacific. Shortly before his death, he donated to HABS the largest, single photographic collection meeting HABS standards--approximately 1,900 images of vernacular structures in Missouri and neighboring states. This remarkable collection was compiled over four decades, beginning in the early 1930s, by Charles and St. Louis photographers Alexander and Paul Piaget. Although accessioned into the HABS collection, all images are identified as part of the Piaget-van Ravenswaay collection.

A former president of Old Sturbridge (Mass.) Village, Charles was appointed director of the Henry Francis duPont Winterthur Museum in Wilmington in 1966. He retired in 1976. Throughout his career, he also served as director of the Missouri Historical Society; as a trustee of the National Trust for Historic Preservation; as president of the Library Associates of the University of Delaware; as chairman of St. Louis Historical Buildings Commission and Bicentennial Committees, and as a member of the advisory committee of the Eleutherian Mills-Hagley Foundation. He held many awards and honors, including the 1989 Medal of Distinction from the University of Delaware. He wrote several books on American horticulture, decorative arts, and material culture.

They will be greatly missed by the preservation movement in general, and HABS/HAER in particular.

## HABS/HAER IN PRINT AND FILM



### PUBLICATIONS

- \* **Secretary of the Interior's Standards and Guidelines for Architectural and Engineering Documentation.** Caroline Russell, comp. Washington, D.C.: HABS/HAER, National Park Service, 1990. 20 pages, 7 illustrations. \$1.25

Details the standards and guidelines for the development of acceptable documentation on historic buildings, sites, structures, and objects, for inclusion in the HABS/HAER collections. Reprint from the *Federal Register*, Vol. 48, No. 190, Thursday, September 29, 1983, pp. 44730-34.

[Available from the Superintendent of Documents, Government Printing Office, Washington, D.C. 20402. Request publication #024-005-01068-8]

The following publications resulted from the ongoing HABS/HAER-AIHP project and are available free upon written request to Randy Cooley, Director, America's Industrial Heritage Project, P.O. Box 565, Hollidaysburg, Pennsylvania 16648:

- \* **Two Historic Pennsylvania Canal Towns: Alexandria and Saltsburg** Sara Amy Leach, ed. Washington, D.C.: HABS/HAER, National Park Service, 1989, 263 pages.
- \* **The Character of a Steel Mill City: Four Historic Neighborhoods of Johnstown, Pennsylvania.** Kim E. Wallace, ed. Washington, D.C.: HABS/HAER, National Park Service, 1989, 200 pages.
- \* **Blair County and Cambria County, Pennsylvania: An Inventory of Historic Engineering and Industrial Sites.** G. Gray Fitzsimons, ed. Washington, D.C.: HABS/HAER, National Park Service, 1990, 355 pages.
- \* **The Company Towns of the Rockhill Iron and Coal Company: Robertsdale and Woodvale, Pennsylvania.** Lola M. Bennett, author. Washington, D.C.: HABS/HAER, National Park Service, 1990, 98 pages.
- \* **Fayette County, Pennsylvania: An Inventory of Historic Engineering and Industrial Sites** Sarah H. Heald, editor. Washington, D.C.: HABS/HAER, National Park Service, 1990, 260 pages.
- \* **Railroad City: Four Historic Neighborhoods in Altoona, Pennsylvania** Kim E. Wallace, editor. Washington, D.C.: HABS/HAER, National Park Service, 1990, 502 pages.

The following publication resulted from the HABS 1989 Red Hill project and is available, at a cost of \$5.00 from the Patrick Henry Memorial Foundation, Red Hill, Route 2, Box 127, Brookneal, Virginia 24528:

- \* **Patrick Henry -- Economic, Domestic and Political Life in Eighteenth-Century Virginia** Kevin R. Hardwick, author. Virginia: Patrick Henry Memorial Foundation, 1991, 54 pages.



# HABS/HAER IN PRINT AND FILM



## ARTICLES

- \* "HABS/HAER: A User's Guide" by Robert J. Kapsch

A comprehensive guide to HABS/HAER appearing in *APT BULLETIN*. Champaign, IL: Association for Preservation Technology, Vol. XXII, No. 1/2, 1990, pp. 22-34.

- \* "HAER's Historic Bridge Program" by Eric N. DeLony

An overview of HAER's program by the Chief of HAER, *IA: The Journal of the Society for Industrial Archeology*, Vol. 15, No. 2, published in 1989, pp. 57-71.

- \* "Architects and the Historic American Buildings Survey, 1933-1990," by John A. Burns, AIA

Produced for the centennial of the AIA's Committee on Historic Resources, this article highlights the role of architects in HABS. Article appearing in *The Role of the Architect in Historic Preservation: Past, Present, and Future*. Washington, D.C.: American Institute of Architects, 1990, pp. 26-36.

- \* "Saving U.S. Industry in Words and Picture" by David Brittan

A well-illustrated overview of the HAER program, appearing in *Technology Review*, July 1990, pp. 52-61.

- \* "Accessing the HAER Collection" by Eric N. DeLony

A guide to using the HAER collection, in *Indiana Covered Bridge NEWSLETTER*, April 1990.

## VIDEO SALES

NEW! NEW! NEW! Videotapes are now available from HABS/HAER at a cost of \$7.50. Write to HABS/HAER, National Park Service, P.O. Box 37127, Washington, D.C. 20013-7127. VHS format only.

### "For the Record: How HABS/HAER Documents America's Heritage"

Produced in conjunction with an exhibit at the National Building Museum in 1989, this 20-minute film follows both a HABS and a HAER documentation project from start to finish.

[Make the donation payable to the HABS General Donation Account]

### "Seneca Glass Works"

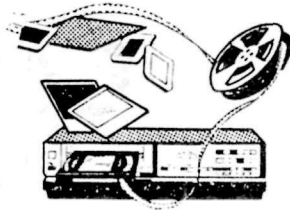
This 22-minute video was made in 1975 in Morgantown, West Virginia.

[Make the donation payable to the HAER General Donation Account]

### "Elkins Coal & Coke Company"

A 19-minute documentary on coke production in beehive ovens, filmed in Bretz, West Virginia.

[Make the donation payable to the HAER General Donation Account]



## HABS/HAER IN PRINT AND FILM

### AUDIO SALES

"The Historic American Buildings Survey (HABS) and Historic American Engineering Record (HAER) Programs". \$7.00 plus \$1.00 for shipping and handling

A one-hour audio cassette featuring a speech by John A. Burns, A.I.A., presented before the 1990 national convention of the National Railway Historical Society in St. Louis.

[Check/money order payable to the Network Communications and forward to Network Communication, P.O. Box 219, High Ridge, MO 63049. Request cassette number RH-A05. American Express, Visa, MasterCard orders accepted. Telephone orders are also accepted at (314) 677-1912.]

### OTHER SALES

Architectural Graphic Standards, Eighth Edition. American Institute of Architects  
New York: John Wiley & Sons, Inc., 1988. 864 pages. \$150.00 plus \$4.00 for shipping and handling.

The standard reference for architectural information, this edition is the first to have a chapter on historic preservation, including four pages on HABS.

[Available from the AIA Order Department, 9 Jay Gould Court, P.O. Box 753, Waldorf, Maryland 20601. Request publication # M475.]

### INSTRUCTIONAL MATERIALS

- \* Recording Historic Structures, John A. Burns, editor  
Washington, D.C.: American Institute of Architects, 1989  
240 pages, over 200 illustrations

The guide to recording America's built environment.

[Available from the AIA Order Department, P.O. Box 753, 9 Jay Gould Court, Waldorf, Maryland 20601. Credit card holders, call (800) 242-4140 (toll free)]

Request: R743 (hard cover) - \$29.95 [\$26.95 - A.I.A. members]  
R743P (soft cover) - \$19.95 [\$17.95 - A.I.A. members]

The following materials can be obtained by writing to Publications Specialist, HABS/HAER, National Park Service, P.O. Box 37127, Washington, D.C. 20013-7127. Please make the donation payable to the HABS or HAER General Donation Account.

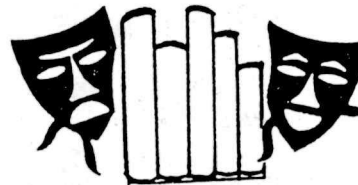
- \* HABS Field Instructions for Measured Drawings  
Washington, D.C.: HABS/HAER, National Park Service, 1981.  
42 pages, 32 illustrations. \$2.50

Provides procedures for producing measured drawings of historic buildings to HABS standards.

- \* HABS Historian's Procedures Manual  
Washington, D.C.: HABS/HAER, National Park Service, 1983  
51 pages, 5 illustrations. \$2.50

Provides guidelines for producing written data on historic buildings to HABS standards.

## HABS/HAER IN PRINT AND FILM



\* **HAER Field Instructions**

Washington, D.C.: HABS/HAER, National Park Service, 1981  
201 pages, 87 illustrations. **\$10.00**

Provides guidelines for documenting to HAER standards historic engineering and industrial sites and structures with measured drawings and written data.

\* **Specifications for the Production of Photographs**

Washington, D.C.: HABS/HAER, National Park Service, 1984  
9 pages. **\$1.00**

Provides criteria for the production of large format photographs for acceptance to the HABS/HAER collections.

\* **Transmitting Documentation to HABS/HAER WASO**

Washington, D.C.: HABS/HAER, National Park Service, 1985.  
28 pages, 6 illustrations. **\$2.00**

Provides transmittal procedures and archival requirements of documentation for acceptance to the HABS/HAER collection.

\* **Guidelines for Recording Historic Ships**, by Richard K. Anderson, Jr.

Washington, D.C.: HABS/HAER, National Park Service, 1988  
Six chapters. \$20.00

Marks the revival of the 1930s' Historic American Merchant Marine Survey and provides the definitive guide to maritime recording.

The following publications are available, free of charge, from HABS/HAER, National Park Service, P.O. Box 37127, Washington, D.C. 20013-7127, Attention: Publications Specialist:

\* **HABS Leaflet** (1989). Discusses the history and projects of the Historic American Buildings Survey.

\* **HAER Leaflet** (1990). Discusses the history and projects of the Historic American Engineering Record.

\* **"HABS/HAER: A User's Guide"** by Robert J. Kapsch. Gives a comprehensive overview of HABS/HAER.

Reprint from the *APT Bulletin*, Vol. XXII, No. 1/2, published in 1990.

\* **HABS/HAER Publications List** (1990). A bibliography of past and current publications.

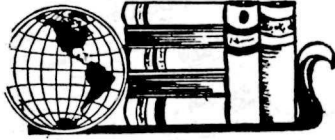
\* **HABS/HAER Annual Report** (1989). A limited supply of last year's report is available.

\* **Help Record Historic America** (1990). Brief description of HABS/HAER summer jobs, available to qualified architects.

\* **Pueblo of Laguna**. The result of the 1979 rehabilitation study, conducted by HAER in New Mexico.

## PUBLICATIONS IN PROGRESS

\* **Bibliography of HABS/HAER Programs**. Former HABS Chief James Massey, Shirley Maxwell, and HABS alumna Nancy Beinecke Schwartz have completed a comprehensive annotated bibliography of all HABS/HAER publications produced from 1933-1990. This publication is currently under review by Deputy Chief John Burns and is scheduled for publication by the Government Printing Office in 1991.



## HABS/HAER IN PRINT AND FILM

- \* **HABS and Charles Peterson - An Oral History.** American preservation movement historian Charles Hosmer has completed his first draft of an oral history of Charles Peterson's involvement with HABS from 1933 to the present. This history is currently being completed and a publisher will be sought in 1991.
- \* **HABS in the 1950s and the 1960s.** Ms. Elise Vider of Haddonfield, New Jersey, is currently undertaking a history of the HABS program in the 1950s and the 1960s as a thesis requirement for her M.A. degree at the University of Pennsylvania; Roger Moss, Executive Director of The Athenaeum, is her thesis adviser. Ms. Vider is not the typical graduate student, having won several awards for journalism. HABS/HAER is providing limited support for the research and plans to assist in publishing the final work. For those HABS alumni who would like to contribute to this effort, Ms. Vider's address is 425 Beachwood Avenue, Haddonfield, New Jersey 08033; home telephone number is 609-429-4652, office 215-546-0531. A publisher for this work will be sought in 1991.
- \* **The Federal Triangle.** Smithsonian Institution Press editor Amy Pastan has notified HABS/HAER that the Press has agreed to publish former HABS/HAER Deputy Chief Sally Kress Tompkins' manuscript on the Federal Triangle. Photographs will be by HABS photographer Jack E. Boucher. Frederick Gutheim has agreed to write the foreword and Charles Atherton, Executive Secretary and Administrative Officer, Commission of Fine Arts, and Donald Meyers, Assistant Secretary, Commission of Fine Arts have agreed to have the Commission staff provide a concluding chapter. Publication is scheduled for Autumn 1992.
- \* **HABS/HAER Annual.** AIA Press and HABS/HAER have agreed, in principle, to produce the *Annual*, showcasing the best drawings and photographs produced by HABS/HAER. Details remain to be worked out.

### PUBLICITY - SUMMER PROJECTS

#### Lighthouses of the Apostle Islands National Lakeshore Project

"Around the Archipelago," press release by Diane M. Chalfant, Apostles Island National Lakeshore, Wednesday, August 29, 1990.

#### Beth-Forge, Delaware and Lehigh Navigation Canal NHC, Project

"Study of BethForge Site First Step in Heritage Project on Canal Corridor," by Dan Hartzell, Morning Call, Bethlehem, PA, June 5, 1990, p. B-1.

"Steel Study Shows Posterity Possible," by Ronald W. Moore, The Globe-Times, Bethlehem, PA, Tuesday, June 5, 1990, p. A2.

"Architects To Reconstruct Past of Beth. Steel Division," by Janie Welker, The Express, Bethlehem, PA, Tuesday, June 5, 1990.

"Historic American Engineering Record Survey of Beth Steel," The Locktender, Easton, PA: Hugh Moore Historical Park and Museums, Inc., Vol. XIA, No. 3, Summer 1990, p. 1.

"The Men-and Mill-Behind the Guns," by Leonard W. Boasberg, The Philadelphia Inquirer, *Daily Magazine Section*, Philadelphia, PA, Friday, September 28, 1990, p. 1D.

#### Buffalo Elevators Project

"Area's Elevators to Stand Tall in Architecture Books," by Mike Vogel, Buffalo News, Buffalo, NY, October 10, 1990.

"Buffalo's Grain Elevators Studied," Democrat and Chronicle, Rochester, NY, Wednesday, October 10, 1990.

#### Historic Charleston Project

"Building Survey Planned. Historic Structures Given High Priority," by Kerri Morgan, The News and Courier, Charleston, SC, Monday, June 25, 1990, p. 1-D.



## HABS/HAER IN PRINT AND FILM



"Building Survey Begins. Team Documents City's Market Hall," by Kerri Morgan, The News and Courier, Charleston, SC, Monday, June 25, 1990.

"Soviet Intern Studies Architecture Up Close," by Kerri Morgan, The News and Courier, Charleston, SC, Monday, June 25, 1990.

"Drawings Will Help History Survive," by Kerri Morgan, The News and Courier, Charleston, SC, August 16, 1990, p. 1-B.

"Across the USA: News from Every State," USA Today, Washington, D.C., Tuesday, May 22, 1990, p. 10A.

### Massachusetts Historic Bridges Project

"Teams To Study Bridges Throughout the State," The Daily Transcript, Dedham, MA., Thursday, July 5, 1990, p. 17.

"30 Historic Massachusetts Bridges to be Documented by Team of Experts," Massachusetts Department of Public Works news release, June 30, 1990.

### Monticello Project

"Measuring Monticello," Monticello, Vol. I, No. 1, Summer 1990, Charlottesville, VA: The Thomas Jefferson Memorial Foundation, p. 2.

"Monticello Measurers are Painstaking," Richmond-Times Dispatch, Richmond, VA, March 13, 1990, p. M2.

### Oregon's Historic Bridges Project

"Oregon Man's Bridges Part of National Study," Salem Statesman-Journal, Salem, OR, June 20, 1990.

"Team to Document Historic Bridges," by Barry Finnemore, Daily Journal of Commerce, Portland, OR, June 21, 1990.

"Coastal Bridges Focus of Study," VIA ODOT News, Oregon Department of Transportation, Portland, OR, July 1990.

"An Antique is Preserved on Paper," by Mike Thoele, Eugene Register-Guard, Eugene, OR, July 6, 1990, p. 1A.

"Research Team Studies Historic Bridges," VIA ODOT News, Salem: Oregon Department of Transportation, Vol. 15, No. 8, August 1990, p. 1.

### Rock Creek Park

"Machinery For Nature," by Hank Burchard, The Washington Post, Washington, D.C., Friday, August 24, 1990.

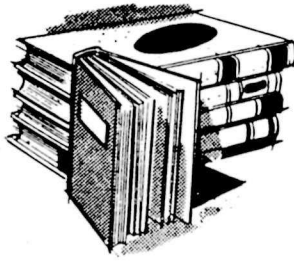
### Wheeling, West Virginia, Industrial Complexes and Victorian Houses Project

"Wheeling Buildings To Be Immortalized by a Federal Team," by Linda Comins, Sunday News-Register, Wheeling, WV, June 17, 1990, p. 17.

"Research Group Impressed With Wheeling," by Tim Baker, The Intelligencer, Wheeling, WV, Friday, August 3, 1990, p. 13.

### The White House Project

"AIA Pledges to Document White House Architecture," Memo, Washington, D.C.: The American Institute of Architects, Autumn 1990, p. 1.



## REVIEWS

Excerpts from reviews of *Recording Historic Structures*:

"The documentation of historic structures, using such methods as textual research and measured drawings, is detailed with instructive text and illustrations". . . . *Architectural Record*, October 1989, p. 55.

"It is a compelling study, an engrossing and highly informative book which relates and illustrates social, cultural, and scientific developments of the time". . . . *Designers West*, December 1989, p. 148.

". . . architects and historic preservationists will find it a vital handbook for their line of work"  
. . . . *The Antique Trader Weekly*, July 25, 1990, n.p.

". . . an informative and handsome volume". . . . *Artifactory*, Technology Museums Special Interest Group Newsletter, Society for the History of Technology, Summer 1990, n.p.

"It gives us the means to identify, understand, and document *all* of the built environment, not just buildings. As McKee has been the recordation bible for the last 30 years, so this book is likely to be the last word on the subject for some time to come. . . . The novice may be confused by the more technical subjects and the technical specialist may find things a bit elemental, but both will learn from the book, and the preservation of our built heritage will be the better for it." Review by Bonnie Wehle Parks and John W. Snyder in *LA: The Journal of the Society for Industrial Archeology*, Volume 16, Number 1 (1990), pp. 69-72.

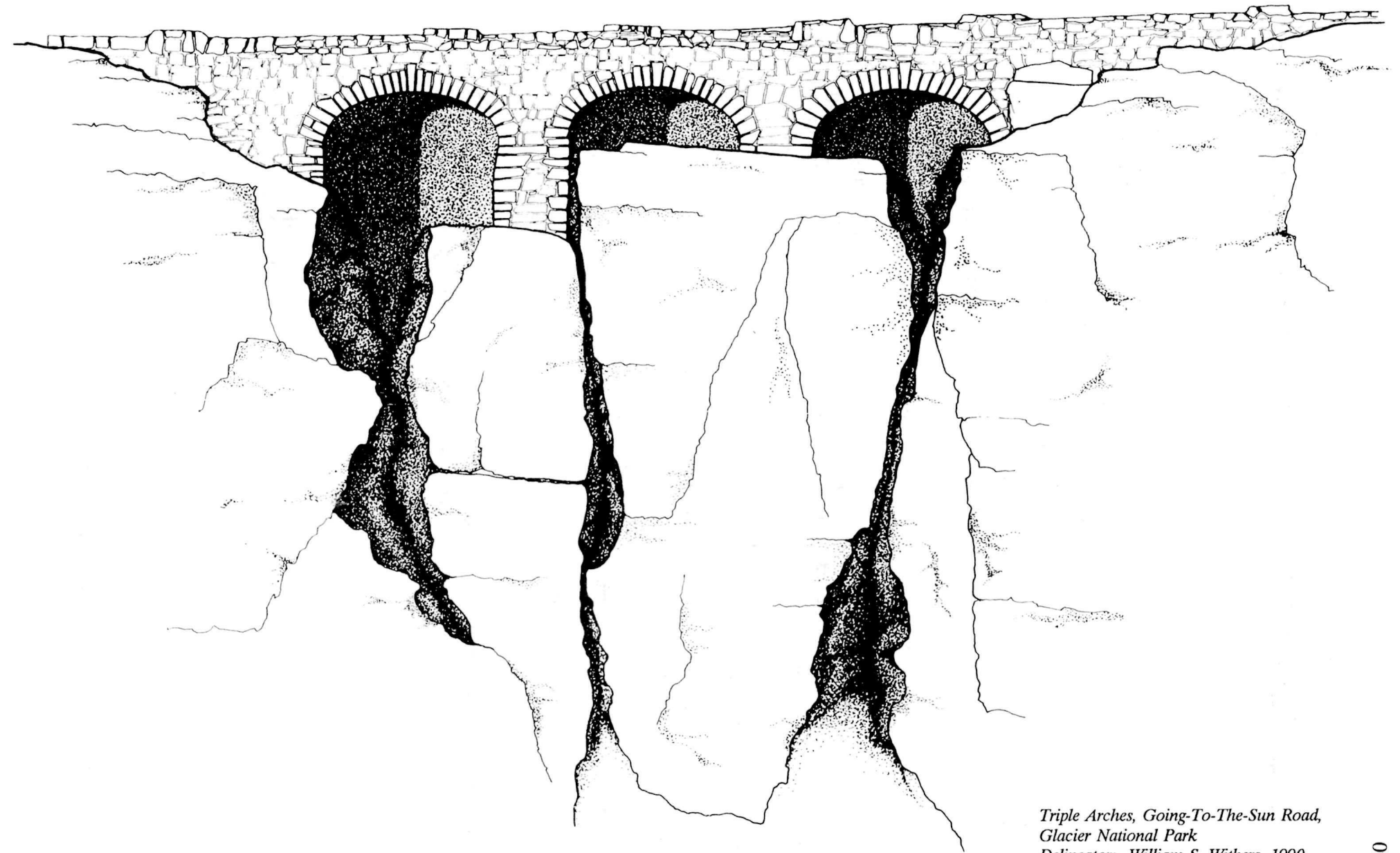
Review of *A Legacy of Coal: The Coal Company Towns of Southeastern Pennsylvania*

". . . adds a solid body of field data and physical description, in a comparative framework, to the existing literature on coal company towns . . . . The National Park Service, and HABS/HAER, should be commended for making such research available to a larger public." *The Public Historian*, Vol. XI, No. 4, Fall 1989, pages 182-185. Dean Herrin, reviewer.

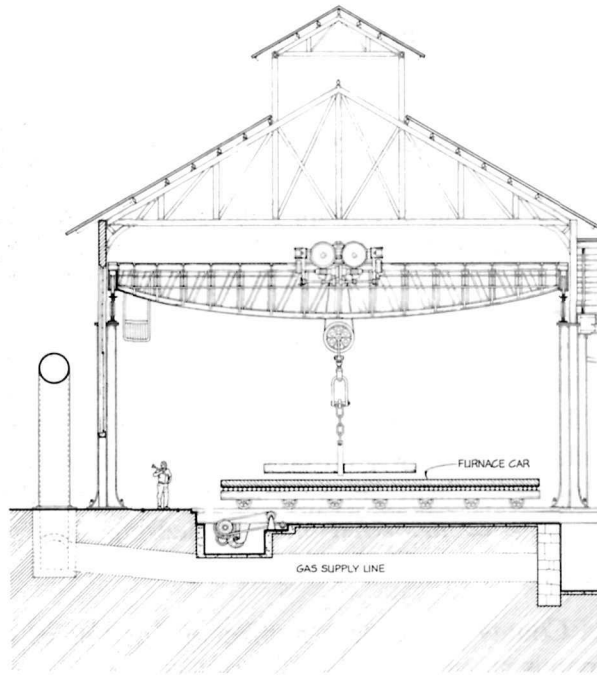
(Dean Herrin was with the National Museum of American History, Smithsonian Institution, when he wrote this review. He has subsequently joined the staff of the Historic American Engineering Record.)

## Errata to 1989 HABS/HAER Annual Report

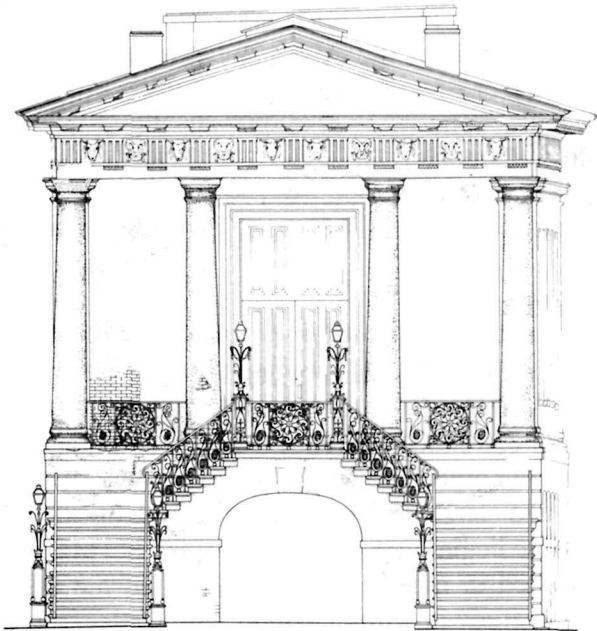
The last sentence describing the HABS/HAER Minority Hiring Program, shown on page 13, should have read, "With the departure of Diane Maddex from the Trust, the program will be managed by Greg Coble and Karen Peil."



*Triple Arches, Going-To-The-Sun Road,  
Glacier National Park  
Delineator: William S. Withers, 1990*



Bethlehem Steel Corporation:  
Treatment Shop No. 2 Section  
Bethlehem, Pennsylvania  
Delineator: Inge Hareide



West Elevation, Market Hall  
Charleston, South Carolina  
Delineator: Craig A. Drone

# 1990 RECORDING PROJECTS



# AMERICA'S INDUSTRIAL HERITAGE PROJECT (A.I.H.P.)

A Multiyear Project

## Johnstown, Pennsylvania, Field Office Projects

### Indiana and Fulton Counties Inventory

Project Leader: G. Gray Fitzsimons, HAER Historian

Team Members: Scott C. Brown, Historian, University of Pennsylvania  
Richard H. Quin, Historian, Middle Tennessee State University

1990 marked the fourth year of HAER's involvement with America's Industrial Heritage Project. With a field office in Johnstown, HAER continued its county-by-county inventory of historic industrial and engineering resources in southwestern Pennsylvania. This summer, two counties, Indiana and Fulton, were the subject of comprehensive HAER inventories. Indiana County, far more industrialized than Fulton County, was covered by Historian Richard Quin. The largely rural Fulton County was inventoried by Scott Brown. Over 150 sites were included in the Indiana County inventory, whereas only 25 industrial and engineering sites required documentation in Fulton County.

Prior to the 1950s, Indiana County possessed a number of coal mines and coke works, refractory brick plants, and primary metals manufacturers. Among the most interesting resources inventoried were the Buena Vista Furnace (1847), Keller's Mill (ca. 1824), the Rochester & Pittsburgh Coal Company's Lucerne Mines and Coke Plant (1952), and the Bairdstown Bridge (1934-35), crossing the Conemaugh River. Located east of the Allegheny Mountains in south-central Pennsylvania, Fulton County is largely a producer of agricultural goods. Not surprisingly, the most outstanding resources inventoried were mills. The most notable mill, the John Baldwin Grist Mill at Burnt Cabins, was built circa 1840 and remains in operation. The inventories of Indiana and Fulton counties will be published by HAER in the fall of 1991.

### Refractory Brick Company Towns

Project Historian: Nancy Spiegel, Yale University

HABS Historian Nancy Spiegel continued the HABS documentation of brick-refractory company-built towns in southwestern Pennsylvania. The largest town, Mount Union, is situated in Huntingdon County where two large brick producers, Harbison-Walker and Mount Union Refractories, operated factories, beginning in the early 1900s. Many of the workers who were employed in the refractories lived in nearby Kistler, a planned industrial community designed by John Nolen. In addition to the study of Mount Union and Kistler, the HABS documentation was expanded to include two other towns, Bolivar and Salina in Westmoreland County. Most of the residences and commercial buildings in these two towns were constructed in the early 1900s, when the refractory brick plants were established. The study of these communities will be continued through 1991, and a HABS publication is expected at the project's conclusion.

# AMERICA'S INDUSTRIAL HERITAGE PROJECT

## Westmoreland County, Pennsylvania, Projects

Project Leader: G. Gray Fitzsimons, HAER Historian  
Consulting Architect: Joseph D. Balachowski, HABS Architect

### Jeannette Glass

Team Members: Mark C. Keiser, Supervisory Architect, Rhode Island School of Design  
Richard F. Bailey, Architecture Technician, University of Arkansas  
Joanne H. Kelley, Architecture Technician, University of California, Berkeley  
Gary J. G. Koll, Historian, University of California, Berkeley  
Einat Krichman, Architect, Dadalus, Holon Institute of Technology, Israel,  
[ICOMOS]  
Richard J. O'Connor, Project Historian, University of Pittsburgh  
Joseph G. Socki, Historian, State University of New York, Binghamton

HAER has been at work in Westmoreland County since the winter of 1988-89, when it commenced a county-wide inventory of historic engineering and industrial resources in Westmoreland County. This study, to be published in the fall of 1990, identified a wide range of historic structures in the steel, glass, aluminum, coal, and coke industries. Not only did this inventory uncover a number of nationally significant industrial buildings, but it also identified several historic industrial communities with many intact late-19th and early-20th century homes, churches, and commercial and institutional buildings. One such historically significant community, Jeannette, was among the nation's leading producers of glass from the 1890s through the 1950s. Several glass factories survive in the city, the largest of which is a window glass producer. In addition, the city retains its blocks of architecturally distinguished brick row houses, many of which were originally occupied by glass workers and their families.

This summer HABS/HAER conducted a survey of workers' and managers' houses in Jeannette, along with a study of the city's glass companies. HABS historians Gary Koll and Joe Socki conducted the survey of Jeannette's residential buildings and HAER historian Richard O'Connor performed research on the early glass works. One of the important buildings in the community, the Columbe Hotel, built in 1888, served as a temporary residence for many workers who, newly arrived in Jeannette, sought jobs in the glass factories. By the 1930s, part of the Columbe Hotel housed the offices of the local flint glass workers union. A team of four architects produced measured drawings of this vernacular commercial and office building, whose design has elements of the Second Empire style.

## AMERICA'S INDUSTRIAL HERITAGE PROJECT

Richard O'Connor's research of the city's glass industry revealed that the establishment of the Chambers and McKee plant in Jeannette in 1889 marked the first use of the continuous melting tank furnace in the United States -- the introduction of the continuous tank transformed the production of glass from a highly skilled series of discrete processes to a more mechanized continuous process. Jeannette's window glass factory, the former Chambers and McKee plant, now owned by GGI Inc., remains in operation. The plant features a 1920s' Fourcault machine, still used in the conjunction with a continuous tank.

### West Overton/Overholt Distillery

Team Members: Victoria A. Fleming, Foreman, Architecture Technician, University of Florida  
Charles L. Bergengren, Historian, University of Pennsylvania  
Janet M. Chen, Architecture Technician, Illinois Institute of Technology  
Robert Giacomo Colosimo, Architect, Royal Melbourne Institute of Technology, East Melbourne, Victoria, Australia [ICOMOS]  
Richard J. P. Renaud, Architecture Technician, Lawrence Technological University

In 1803, Henry Overholt moved his family from Bucks County, Pennsylvania, to Westmoreland County, where he established a farm. Henry's son, Abraham, acquired the family farm in 1818 and by the 1830s concentrated his enterprise on milling grain and distilling alcoholic spirits. The Overholts built homes for themselves and their workers, and the family constructed a company store. Among the surviving buildings of this ante-bellum industrial hamlet, the Henry S. Overholt House (ca. 1846) and the Christian Overholt House and Company Store (ca. 1854) were the subjects of HABS/HAER measured drawings. In addition, these well-preserved two-story brick buildings formed part of a larger historical study of the West Overton community. A team of four architects measured and drew the two Overholt houses and an historian carried out extensive research, using primary source documents. A publication on the village of West Overton and its distillery and coal industry is anticipated in 1991.

### Apostle Islands National Lakeshore

Bayfield, Wisconsin

(Multiyear Project)

- Project Leader: Paul D. Dolinsky, Chief, HABS
- Cosponsor: Apostle Islands National Lakeshore, NPS  
Midwest Regional Office, NPS
- Team Members: Judith E. Collins, Supervisory Architect, HABS  
Daniel J. Lind, Architecture Technician [Foreman], North Dakota State University  
Anne S. Beckett, Landscape Architecture Technician, Mary Washington College  
Eva Holm Kunckel, Architect, Kunstakademiets Arkitektskole  
Department of Restoration, The Royal Danish Academy of Fine Arts, Copenhagen, Denmark [ICOMOS]  
Kenneth W. Martin, Architecture Technician, Virginia Polytechnic Institute and State University

The Apostle Islands, located off the Bayfield Peninsula, were mistakenly named as such by the French missionaries who thought there were only twelve islands. The archipelago actually consists of twenty-two islands, twenty-one of which are owned by the National Park Service.

With the opening of the locks at Sault Ste. Marie, Michigan, came increased shipping among the ports of Minnesota, Wisconsin, and those of the lower lakes. Trade in the peninsula's valuable raw materials of lumber and brownstone prompted the increase in shipping traffic within the archipelago and the growth of three small ports located on the peninsula. To insure the safety of ships passing through and around the archipelago, the Federal Government, through the United States Lighthouse Service, constructed six light stations. The lights of the Apostle Islands, built between 1857 and 1929, are unique in design and material use, each representing a rich historical era when the lighthouse service helped guide the way for mariners passing through Lake Superior's often treacherous waters.

The second year of an extended three-year project, this summer's documentation project focused on the light stations of Michigan and Outer Islands. The Michigan Island Light Station was established in 1857 with the construction of the first lighthouse within the Apostles. The station was updated in 1929 with the additions of a higher lighttower, a new keeper's dwelling and power house. The Outer Island Lightstation was established in 1871 and originally included a lighttower with attached keeper's dwelling and two fog signal buildings. Because of the ravages of time and Great Lake storms, the shoreline has shifted, resulting in the loss of one fog signal building. All of the structures included within these two stations were documented during the summer of 1990.



*Outer Island Lighthouse  
Apostles Island National Lakeshore  
Bayfield, Wisconsin  
Photographer: Kenneth W. Martin*



## HABS PROJECTS

### Historic Charleston

(Multiyear Project)

Charleston, South Carolina

Project Leader: Paul D. Dolinsky, Chief, HABS

Cosponsor: Historic Charleston Foundation

Team Members: Robert C. Giebner, Supervisory Architect, Professor, University of Arizona  
Carla A. Cielo, Architecture Technician, Drexel University  
Craig A. Drone, Architecture Technician, Texas Tech University  
Hoyte E. Johnson, Jr., Architecture Technician, Auburn University  
Andrew H. Powell, Architecture Technician, Tuskegee University  
Ivan A. Tchouvelev, Architect, Moscow Architecture Institute, USSR  
[ICOMOS]  
Raymond M. Wiencek, Jr., Architecture Technician, Miami University, Ohio  
John McWilliams, Photographer, Professor, Georgia State University

In September 1989, Hurricane Hugo devastated the coast of South Carolina. Particularly damaged was the historic city of Charleston. High water and tremendous winds uprooted trees and severely damaged slat and standing seam roofs, as well as toppling many unreinforced masonry and wooden structures. Soon after the immediate needs of public health and facilities were met, the task of a monumental cleanup and restoration began. It was determined that total recovery from this devastation would be excellent preparation for such future storms. The Historic Charleston Foundation then funded a multi-year HABS project to produce comprehensive documentation of the architectural landmarks of Charleston. This, the first year, produced measured drawings and large-format photography of Market Hall and Blake Tenement, both significant landmark structures damaged by the hurricane. This documentation will serve as the basis for their restoration, reuse, and total recovery. Photographs were taken by photographer John McWilliams.

Documentation produced during the summer of 1990 was exhibited in October 1990 for the annual meeting of the National Trust for Historic Preservation. Documentation scheduled for 1991 includes documentation along the battery, using the new CAD-Photogrammetry approach.

# HABS PROJECTS

## L'Enfant-McMillan Plan of Washington, D.C.

Washington, D.C.

(Multiyear Project)

Project Leader: Sara Amy Leach, HABS Historian

Cosponsors: Morris and Gwendolyn Cafritz Foundation  
National Park Foundation  
National Capital Regional Office, NPS  
Historic Preservation Division, D.C. Department of Consumer and Regulatory Affairs

Team Members Elizabeth J. Barthold, Historian, American University  
Tomas Zwiack, Fulbright Scholar, The Board of Historical Gardens & Palaces Conservation, Warsaw, Poland [ICOMOS]

HABS, through the National Park Foundation, was awarded a \$50,000 grant from the Morris and Gwendolyn Cafritz Foundation, and \$25,000 in matching Historic Preservation Fund monies from the District of Columbia's Historic Preservation Division (for fiscal year 1991) to undertake a two-year effort to document the historic city plan of Washington, D.C. Additional funding for this project was provided by the National Capital Regional Office of the National Park Service.

The documentation will include written history, inked overlays of the city plan, and large-format photographs of the many parks and "reservations," streets/avenues, and vistas. The collected data will then be entered into experimental survey software, currently being developed in cooperation with the National Register of Historic Places. Upon conclusion of the documentation process, the contributing elements of the 200-year-old plan will be nominated for city and national historic landmark status, to help commemorate the bicentennial of the founding of the Federal City, slated for 1991-1992.

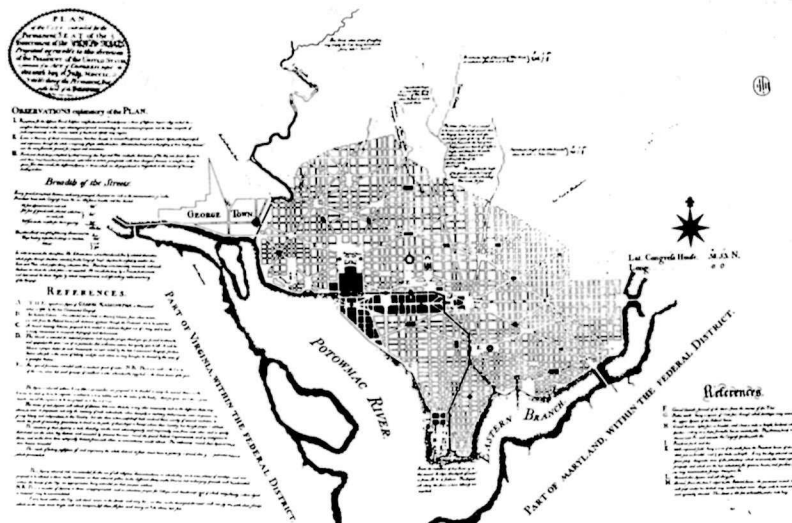


Figure 9. Plan for Washington by Pierre Charles L'Enfant, 1791

City Plan

## HABS PROJECTS

### Monticello

Charlottesville, Virginia

(Multiyear Project)

Project Leader: Paul D. Dolinsky, Chief, HABS

Cosponsor: Thomas Jefferson Memorial Foundation  
US/International Council on Monuments and Sites  
American Institute of Architects College of Fellows

Team Members: Year-Round Personnel

Timothy A. Buehner, Supervisory Architect, New Albany, Indiana  
Isabel C. Yang, Architect, University of Maryland

Intermittent Personnel (September 1989-May 1990)

Hugh D. Hughes, Architect, University of Colorado  
Sandra M. Moore, Architect, University of British Columbia, Canada  
[ICOMOS]  
Jonathan C. Spodek, Architect, University of Chicago

Summer Personnel (June 1990-August 1990)

B. Scott Falvey, Architecture Technician, Mississippi State University  
David R. Schlensker, Architecture Technician, University of Illinois  
Andrew G. Stone, Architecture Technician, University of Edinburgh, Scotland  
[ICOMOS]

A national and international landmark, Monticello is certainly one of the most unusual and interesting structures in the United States. As part of an ongoing effort, HABS is undertaking a year-round measured drawings project to develop plans, sections, and details that will serve as a data base for future research and analysis, as well as the basis for maintenance and catastrophic insurance.

Of particular interest was the fieldnoting procedure--certainly one of the most detailed recording efforts undertaken by HABS. Virtually all surfaces were measured to the 1/8" and moldings to the 1/16". This information will also be used in a comprehensive historic structures report being prepared privately by the Thomas Jefferson Memorial Foundation, the main sponsor of the project.

# HABS PROJECTS

## New Jersey Coastal Heritage Trail

(Multiyear Project)

Shiloh, New Jersey

Project Leader: Sara Amy Leach, HABS Historian

Cosponsor: New Jersey Coastal Heritage Trail, North Atlantic Region, NPS

Team Member: Kimberly R. Sebold, Historian, University of Delaware

The purpose of this project was to investigate the historical themes and architectural resources located in the lower portion of the three southernmost counties of New Jersey, along the Delaware Bay. This was the least-researched portion of the larger New Jersey Coastal Heritage Trail, a heritage corridor designated in 1988. Investigated were the areas of Salem, Cumberland, and Cape May counties which were located below New Jersey routes 47 and 49, a low-lying, rural wetlands topography. This region has historically hosted thriving glass and iron manufacturing, shipbuilding, oystering and fishing, fruit and vegetable production, and nineteenth-century resort communities. Manufacturing hubs of Millville and Bridgeton are a sharp contrast to the small villages and farms that are found along the meandering Maurice and Cohannesy rivers. Predominant natural and wildlife resources--to-date still largely unaffected by the nearby metropolises of Philadelphia and New York City--provide both the setting and ingredients for growth here. The general, comprehensive written document offers recommendations for, and will serve as a basis for, future documentation of architectural, maritime, and industrial sites in the area.



*New Jersey Coastal Heritage Trail Map and Logo*

## HABS PROJECTS

### Oregon Caves National Monument

Cave Junction, Oregon

(Multiyear Project)

Project Leader: Paul D. Dolinsky, Chief, HABS

Cosponsor: Pacific Northwest Regional Office, NPS  
Oregon Caves National Monument, NPS

Team Members: Belinda Sosa, Supervisory Architect, Tulane University  
Christian L. Yaden, Architecture Technician, University of Oregon

The 1990 HABS team at Oregon Caves National Monument was the second in a multi-year effort to document the outstanding rustic architecture of the monument. Clustered near the cave entrance in a steep ravine, the monument's buildings and landscaping are a notable attempt to fit rustic development into the rugged surroundings. The 1990 team concentrated on completing floor plans, elevations, and a section of the Chateau, the largest structure at the monument. This six-story, angled structure spans the ravine and is of heavy timber construction. A distinctive feature of the Chateau is exterior sheathing of Oxford-cedar bark--further emphasizing the rustic quality of the architecture.

The cave was discovered in 1874 and declared a national monument in 1909. Its potential as a tourist attraction was a driving force behind this designation, but the lack of roads in the area postponed permanent improvement until 1922. Concession development began under U.S. Forest Service administration and was well underway when the National Park Service (NPS) assumed jurisdiction in late 1933. Most of the landscaping was done by a Civilian Conservation Corps crew, under the direction of NPS landscape architects, who continued a rustic design ethic established by the concessionaire.



## **HABS PROJECTS**

### **Bucks County, PA. Photodocumentation Project**

Bucks County, Pennsylvania

Project Leader: Catherine C. Lavoie, HABS Historian

Cosponsor: Committee for the Documentation of Historic Resources of Bucks County, PA

Work began in the summer of 1989 and continued throughout the fall of 1990 on a project to document representative examples of the historic architecture of Bucks County. The project was initiated by authorizing legislation sponsored by Congressman Peter H. Kostmayer and was a cooperative effort between HABS and the Committee for the Documentation of Historic Resources of Bucks County, Pennsylvania, and was coordinated on site by Jeffrey Marshall of the Bucks County Conservancy. The committee selected thirty-five sites for documentation through the photography of HABS photographer Jack E. Boucher. The sites, mostly farmsteads of stone construction, reflect the largely agricultural economy on which the county has historically been based. Coordination within the HABS office, as well as the preparation of architectural data forms and transmittal, was undertaken by HABS historian, Catherine Lavoie.

### **Minnesota Photodocumentation Project**

State of Minnesota

Project Leaders: Catherine C. Lavoie, HABS Historian

Cosponsor: Minnesota Historical Society

Work continued this year on statewide photodocumentation, an initiative created in 1986. In 1987-88, in cooperation with the Minnesota Historical Society, photographs of twenty-one National Historic Landmarks and four additional sites throughout the State of Minnesota were taken by HAER photographer Jet Lowe. This year, Jet completed the photodocumentation of an additional forty-one structures. As with the previous project, Jet undertook this work with field assistance from Catherine Lavoie. Site selections, determined by the staff of the Minnesota Historical Society, encompassed a wide variety of structures. From an architectural or HABS standpoint, the project included such sites as the Detroit Lakes Library, the Women's City Club, and Mickey's Diner, all in St. Paul, as well as the rustic Burnside Lodge in Ely and the Femco Farm in Kent. The industrial, or HAER, sites included the Schnecks Mill in La Crescent, the Split Rock Lighthouse near Two Harbors, the Rockville Quarry, and a number of grain elevators. Mr. Dennis Gimmstead serves as project director for the Minnesota Historical Society. Select photographs will be used for exhibitions in the new Minnesota Historical Society Museum in St. Paul, scheduled to open at a later date.

### Prince George's County Photodocumentation Project

Prince George's County, Maryland

Project Leaders: Catherine C. Lavoie, HABS Historian

Cosponsors: Prince George's County Historic Preservation Commission (HPC)  
Maryland National Capital Park & Planning Commission

During January 1989, HABS began the first phase of a cooperative project between HABS and the Maryland National Capital Park & Planning Commission (acting on behalf of the Prince George's County Historic Preservation Commission [HPC]) to document selected sites throughout the county. The first one-year phase of the project entailed the production of large-format photographs and historical reports. It was one of the first projects of its kind in which HABS worked with sponsors from the local level to document a significant representation of the county's historic architecture.

The second phase began in 1990, when, once again, large format photography was undertaken by HABS photographer Jack E. Boucher and historical reports were prepared by HABS historian Catherine C. Lavoie. Site selections were made by Director Gail Rothrock and Research Historian Susan G. Pearl of the HPC, who also provided access to their research and information files, as well as their extensive knowledge of the county's history. At the end of Phase II, Ms. Lavoie will transmit the documentation on the approximately 60 sites to the HABS collection at the Library of Congress. The photographs were shown at an exhibition opening on February 3, 1991, at The Arts Club in Washington, D.C. A publication of these photographs is also planned.



*Mt. Lubentia, Largo vic., Maryland*  
Photographer: Jack E. Boucher

## HABS PROJECTS

### Pierce Mill

Washington, D.C.

Project Leader: Paul D. Dolinsky, Chief, HABS  
HAER Consultant: Robbyn L. Jackson, HAER Architect

Cosponsor: National Capital Region, Rock Creek Park, NPS

Team Members: Andrew F. Wenchel, Jr., Supervisory Architect, University of Oregon  
Roderick De J. Fluker, Architecture Technician, Tuskegee University  
Shelley L. Milling, Architecture Technician, Mississippi State University  
Janusz Sebastyanski Roman, Architect, Technical University - Gdansk, Poland [ICOMOS]

Isaac Pierce, a Quaker millwright, built Pierce Mill circa 1820 in the then-new District of Columbia. The mill's structure is largely extant and exposed to view: granite stone bearing walls on the exterior, and heavy timber beams and columns on the interior, supporting wood joists, board floors and wind braced purlins and paired rafters. The grist mill employed the first generation of Oliver Evans' patented revolutionary elevator/conveyor automated industrial milling process.

Rock Creek Park was created in 1890 to preserve a green swath through Washington, D.C. and incorporated Pierce Mill and other mills along Rock Creek in the new park. After the main shaft broke in 1897, Pierce Mill became a teahouse and the mill machinery was gradually dismantled. In 1935, a major Depression-era effort by the National Park Service, with T. T. Waterman as project architect, restored Pierce Mill to a working grist mill and its 19th century appearance. Some changes to the machinery, waterwheel and structure have occurred since 1936.

In 1936, HABS produced photographic and written documentation of Pierce Mill. This 1990 Rock Creek Centennial project is an addendum to that documentation and consists of measured drawings of the mill as it is today, as well as drawings of how it looked following and preceding the 1936 restoration, based on drawings and photographs from the 1930s. The 1990 drawings will be used for new restoration work on Pierce Mill.

## Russian Orthodox Churches

Alaska

Project Leaders: Steve Peterson, Alaska Regional Office, NPS  
Kim Hoagland, HABS Senior Historian

Cosponsor: Alaska Regional Office, NPS  
Alaska State Legislature  
Icon Preservation Task Force

Team Members: James Creech, Architect, Georgia Institute of Technology  
Ykaterina Solovjova, Architect, Moscow Institute of Architecture, USSR  
(ICOMOS)  
Jet Lowe, HAER Photographer

Documentation of historic Russian Orthodox churches in Alaska continued this year, under the direction of Steve Peterson and Kim Hoagland. In 1990, twenty-nine churches were photographed by HAER photographer Jet Lowe, who was accompanied in the field by Steve Peterson and Kim Hoagland. James Creech and Ykaterina Solovjova completed the drawings begun last summer. All seven churches, designated National Historic Landmarks, have been documented with HABS drawings, as well as with photographs and historical reports. All of the churches, listed on the National Register of Historic Places--plus some new churches with historic icons--have been documented with photographs and historical reports.



*Ascension of Our Lord Russian Orthodox Church, Karluk, Alaska*  
Photographer: Jet Lowe

## HABS PROJECTS

### Sleeping Bear Dunes National Lakeshore

Empire, Michigan

(Multiyear Project)

Project Leader: Paul D. Dolinsky, Chief, HABS

Cosponsor: Midwest Regional Office, NPS  
Sleeping Bear Dunes National Lakeshore, NPS

Team Members: Donna M. Hartmans, Supervisory Architect, University of Oregon  
Benjamin P. Cummings, Architecture Technician, Auburn University  
Robert Score, Architecture Technician, Lawrence Technological University  
Nancy M. Wilks, Architecture Technician, Columbia University  
John McWilliams, Photographer, Professor, Georgia State University

Located on the northwestern shore of Michigan's Lower Peninsula, Sleeping Bear Dunes National Lakeshore is comprised of 71,000 acres of outstanding natural features, including forests, beaches, dunes, and glacial remains. The area's cultural history derives from German immigrant farmers, as well as shipping between Chicago and Detroit--through the inner passage between the islands and the lower peninsula--which promoted economic growth on the islands supplying raw materials and steamer fuel.

The dune formation, the islands, and ultimately the National Park, received their names from a Chippewa Indian legend. The legend recounts the journey of a mother bear and her two cubs in their effort to escape a forest fire in Wisconsin by swimming to the opposite shore. The mother bear reached the Michigan shore but her two cubs were drowned in the attempt. The mother bear fell asleep on the beach while waiting for her cubs. As the sands blew, the dune formed over her and the islands rose over her cubs.

This was the fourth and final year of HABS documentation within the park, with emphasis placed on the village of Glen Haven, the German farmsteads of Port Oneida, and South Manitou Island. Measured drawings were completed of the following structures at Glen Haven: the Glen Haven Cannery, the Robert Day House, the D. H. Day Store, the D. H. Day Garage and outbuildings, and the Blacksmith Shop; and of the Post Office on South Manitou Island. Large-format photography was the primary method of documentation used for the German farmsteads of Port Oneida, with measured drawings of the Martin Basch Farm and the Olsen Farm as complements. Finally large-format photographs were taken by photographer John McWilliams of each structure drawn during the four summers spent at the park.



## HABS PROJECTS

### Snee Farm

Mount Pleasant, South Carolina

Project Leader: Paul D. Dolinsky, Chief, HABS  
Consulting Historian: Catherine C. Lavoie, HABS Historian

Cosponsor: Fort Sumter National Monument  
Southeast Regional Office, NPS

Team Members: Michael E. Brannan, Supervisory Architect, Ball State University  
Martha Alicia de Mena, Architect, University of Buenos Aires, Argentina  
[ICOMOS]  
Marsha O. Ellis, Historian, University of Virginia  
Tina Fong, Architecture Technician, Cooper Union  
Christopher M. Huckabee, Architecture Technician, Texas Tech University  
Mellonce Rheams, Architecture Technician, Texas Tech University  
John McWilliams, Photographer, Professor, Georgia State University

Snee Farm was designated a National Historic Landmark because of its association with Colonel Charles Pinckney, a planter and lawyer who played a prominent role in the early days of the American Revolution, and his son, Charles Pinckney, III, author of the "Pinckney Draught" of the U.S. Constitution and Governor of South Carolina for four terms. Snee Farm also represents an excellent example of early lowland plantation architecture. The project to document the Snee Farm included the execution of measured drawings, a written history and large-format photographs. Drawings were completed of all elevations and floor plans, including the foundation and site plans, as well as longitudinal and transverse sections, and selected interior detailing. The historical report also includes an annotated bibliography. John McWilliams, professor of photography at Georgia State University, produced the large-format photographs of the farm. These photographs, plus those of other Charleston sites were exhibited during the National Trust for Historic Preservation annual meeting held in Charleston.

During the project, new methods of dating were used. For example, HABS coordinated with the Building Conservation Branch of the Cultural Resources Center in Boston to produce x-ray analysis of Snee Farm. The purpose of this method was to reveal wood joint details and the types of fasteners used in the construction of the farm residence to assist in the dating of the structure.

# HABS PROJECTS

## The White House Exteriors

Washington, D.C.

(Multiyear Project)

Project Leader: Paul D. Dolinsky, Chief, HABS

Cosponsors: The Executive Residence  
National Capital Regional Office, NPS

Team Members: Jorge Sein, Supervisory Architect, City College of New York  
Ronald M. Bailey, Architecture Technician, The Catholic University of America  
Sam R. Coker, Architecture Technician, Auburn University  
Ranne Rhee, Architecture Technician, Rensselaer Polytechnic Institute  
Jack E. Boucher, HABS Photographer

The White House began a five-year documentation project in 1988 to systematically record and to update existing drawings of the exterior stonework, as part of the exterior restoration project. Built of Aquia Creek sandstone, it was intended that the White House would always be painted, approximately 30 to 40 layers of paint had obscured the stone's detail and ornament. As the 200 years of paint is removed and the damaged stone replaced, HABS has been recording the structure with photographs and measured drawings that show the exterior elevations with the previously-unseen detail and stone graining.

This was the third summer of recording at the House. This year's team continued to add field notes and to delineate the stone coursing and graining patterns of the exposed stone to the base drawings produced during the past summers. The team also added numerous large scale drawings of exterior details to the set.



*Douglas Anderson (at top of picture) and Gillian Lewis (at bottom of picture) measure the south porch balustrade at The White House. Photographer: Frederick Lindstrom*

### The White House Interiors

(Multiyear Project)

Washington, D.C.

Project Leader: Paul D. Dolinsky, Chief, HABS

Cosponsors: The Executive Residence, Office of the Curator  
The American Institute of Architects  
The White House Historical Association

Team Members: Frederick J. Lindstrom, Supervisory Architect, HABS  
Douglas S. Anderson, Architect, North Dakota State University  
Robert Arzola, Architect, Texas Tech University  
Paul Homeyer, Architect, Texas A&M University  
Gillian Lewis, Architect, Auburn University  
Jack E. Boucher, HABS Photographer

In celebration of the 200th anniversary of the laying of the cornerstone of the White House (October 13, 1992), the American Institute of Architects is sponsoring, through the White House Historical Association, the documentation of the interior architecture of The White House. This project is to be combined with the exterior documentation project and will culminate with a major publication and traveling exhibition on the architectural history of the House.

Because the principal residents of the White House change every four to eight years, there have been numerous changes, both minor and major, to the residence since its construction. HABS is producing an accurate set of drawings and black and white large-format photographs of the historic main house, as it presently exists. The documentation will be used as the basis for future renovation, maintenance and interpretation.

This year's team concentrated on taking comprehensive field notes of the interior and laying out the preliminary pencil drawings.



*Douglas Anderson (left) and Robert Arzola (right) measure the ceiling of the East Room at The White House.  
Photographer: Frederick Lindstrom*

## HAER PROJECTS

### BethForge, Delaware and Lehigh Navigation Canal National Heritage Corridor

Bethlehem, Pennsylvania

Project Leader: Eric N. DeLony, Chief, HAER  
Project Manager: Robbyn L. Jackson, HAER Architect  
History Consultant: Dean Herrin, HAER Historian

Cosponsor: Delaware & Lehigh Navigation Canal National Heritage Corridor Commission  
through the Hugh Moore Historical Park and Museums, Inc.

Team Members: Craig N. Strong, Supervisory Architect, University of Southwestern Louisiana  
Pamela J. Burdick, Architecture Technician, University of Illinois, Chicago  
George S. Clanton, Architect, Texas A&M University  
Scott Clanton, Architect, Texas A&M University  
John G. Eberly, Architecture Technician, Midland College  
Inge Knut Hareide, Architect, Norwegian Institute of Technology, Norway  
[ICOMOS]  
Lance E. Metz, Historian, Hugh Moore Historical Park and Museums  
Joseph E. B. Elliot, Photographer, Assistant Professor, Muhlenberg College,  
Allentown, PA.

Bethlehem Iron Company was the first domestic manufacturer to be awarded a government contract for steel armor plate, and was once the nation's largest defense contractors as well as a major supplier of armor plate to foreign navies. Bethlehem guns were installed in the first American steel battleships, the *U.S.S. TEXAS* and the *U.S.S. MAINE*. Today, the Bethlehem forging plant is the last operational super-heavy forging facility in the U.S.

This year, HAER documented portions of the original forge facilities of the Bethlehem Iron Company. Measured drawings were produced by Forge Shop No. 1, Treatment Shop No. 2, and Treatment Shop No. 3. Using measurements taken on site as well as historical photographs and blueprints, the team documented the buildings as they appeared in their heyday around the turn of the century, showing existing equipment as well as equipment no longer extant. Details of the buildings' structural system were also drawn. The present condition of the three buildings and the existing machinery were documented photographically. In addition, Lance Metz produced a history of the Forge Division and its role in the Bethlehem Steel Corporation and in the nationwide steel industry. The BethForge recording project was the first of what may be several future HAER recording projects in the Delaware and Lehigh Navigation Canal National Heritage Corridor over the next few years.

### Going-To-The-Sun Road Glacier National Park

West Glacier, Montana

- Project Leader: Eric N. DeLony, Chief, HAER
- Cosponsor: Maintenance Division, Headquarters, NPS  
Glacier National Park  
Rocky Mountain Regional Office, NPS
- Team Members: William S. Withers, Supervisory Architect, Virginia Polytechnic Institute and State University  
Susan D. Bergen, Architecture Technician, University of Washington  
Jessica N. Gibson, Architect, Virginia Polytechnic Institute and State University  
Tajda Ivanisevic, Architect, University of Sarajevo, Yugoslavia [ICOMOS]  
Kathryn Steen, Historian, University of Delaware  
Martin Stupich, Photographer, Georgia State University

Going-to-the-Sun Road, a spectacularly scenic park highway crossing the Continental Divide in Glacier National Park, Montana, was the first transmountain road constructed by the Bureau of Public Roads and was the initial project marking an interagency agreement between the Bureau and the National Park Service. Construction on the road started as early as 1911, but the principal and most difficult segment over the Continental Divide was built between 1925 and 1932. Over fifty miles in length, Going-to-the-Sun Road was built on a six percent grade, and required the excavation of 1,500,000 cubic yards of earth. Adhering to National Park Service standards of park aesthetics, contractors carted excavated material out of the park, constructed retaining walls and bridges of stone masonry, and preserved scenic vistas all along the route, creating a road that "lies lightly on the land." Going-to-the-Sun Road was designated a National Historic Civil Engineering Landmark by the American Society of Civil Engineers in 1985. The HAER team documented this significant road, including nine bridges, two tunnels, and other road features, such as culverts and retaining walls, and produced an illustrated leaflet for park visitors that explains the history of the road. This documentation continues HAER's multi-year program to document all National Register-eligible bridges and road-related structures in the National Park System. Bridges and related structures have previously been documented in Yellowstone National Park and in the National Capital Region of Greater Washington.



## HAER PROJECTS

### Massachusetts Historic Bridges

Cambridge, Massachusetts

- Project Leader: Eric N. DeLony, Chief, HAER
- Cosponsor: Massachusetts Department of Public Works
- Team Members: Daniel L. Schodek, Supervisory Architect, Professor, Harvard University  
Lola M. Bennett, Historian, University of Vermont  
James P. Harshberger, Historian, University of Delaware  
John Robert Healey, Historian, Ironbridge Institute, United Kingdom  
[ICOMOS]  
Gary Kleinschmidt, Architecture Technician, Harvard University  
Patricia D. Reese, Architecture Technician, Boston Architectural Center  
Mark C. Rowan, Architecture Technician, The Catholic University of America  
Rudolf J. A. Sosef, Architect, Technical University - Delft, The Netherlands  
[ICOMOS]  
Martin Stupich, Photographer, Georgia State University

Thirty Massachusetts bridges were selected for documentation by a HAER team in 1990, representing several important nineteenth century truss designs. Selected from all parts of the state. These bridges included stone and reinforced-concrete arches, timber truss, cast and wrought-iron truss, suspension and swing spans. Two of the bridges for which the team produced measured drawings, photographs and written histories, were rare surviving Post trusses, named after the bridge builder, Simeon Post. Popular in the 1860s and 1870s, the Post truss differed from the more traditional Pratt truss by having all truss columns inclined toward the center panel. Railroad companies were the main advocates of the Post truss, since the inclined posts supposedly stiffened the truss. The Ponakin Road Bridge, in Lancaster, is the only known surviving iron bridge to incorporate all of the design features of Post's "Patent Diagonal Truss," and is also an unusual example of a Post truss used for a relatively short-span highway bridge. Other important nineteenth century bridge builders included in the documentation project were Charles H. Parker, Charles H. Ball, and George S. Morison. Four lenticular trusses, built by the Berlin Iron and Bridge Company, were also documented. A total of six bridges were measured and drawn, and all thirty were photographed and recorded with a written history.

## HAER PROJECTS

### Mon Valley Steel

(Multiyear Project)

Pittsburgh, Pennsylvania

Project Leader: G. Gray Fitzsimons, HAER Historian

Cosponsor: Mon Valley Steel Industry Heritage Task Force

Team Members: Year-Round Personnel

Joel Sabadasz, Supervisory Historian, University of Pittsburgh

Mark Brown, Historian, University of Pittsburgh

Michael Workman, Historian, West Virginia University

#### Summer Personnel

Ronald Kaplan, Intern, Duquesne University

Christopher H. Marston, Supervisory Architect, Carnegie-Mellon University

Matthew B. Severance, Architecture Technician, Texas Tech University

Lynne P. Snyder, Historian, University of Pennsylvania

Joanna Winarska, Architect, Technical University - Wroclaw, Poland

[ICOMOS]

John McWilliams, Photographer, Professor, Georgia State University

During the past year, the team continued its documentation of the historic steel mills of Allegheny County. In addition to completing written historical reports and a photographic record of the Homestead Works, Duquesne Works, National Works, and J. Edgar Thomson Works, the team produced a set of measured drawings focusing on the historic automatic raw materials storage, handling, and delivery system of the blast furnace plant at the Duquesne Works. Designed in 1896 by Marvin A. Neeland, superintendent of drafting at the Duquesne Works, and known as the "Duquesne Revolution" among contemporary blast furnace experts, the raw materials facilities served as the prototype for large scale iron-making facilities in the industry. Finally, the team provided technical assistance to the Mon Valley Steel Industry Heritage Task Force in their effort to create a steel industry heritage museum by identifying industrial artifacts that are worthy of preservation.

## HAER PROJECTS

### Oregon's Historic Bridges

Salem, Oregon

- Project Leader: Eric N. DeLony, Chief, HAER
- Cosponsor: Oregon Department of Transportation, Oregon State Historic Preservation Office
- Team Members: Richard L. Koochagian, Supervisory Architect, University of Tennessee  
Todd A. Croteau, Architecture Technician, Rhode Island School of Design  
Kenneth J. Guzowski, Historian, University of Oregon  
Robert W. Hadlow, Historian, Washington State University  
Gary M. Link, Historian, Duquesne University  
Rafael V. Salazar, Architect, Office of Architect Erick Chaves, Universidad de Costa Rica, Costa Rica [ICOMOS]  
Gretchen Van Dusen, Architecture Technician, University of Washington  
Jet Lowe, HAER Photographer

The bridges of Conde B. McCullough, a celebrated bridge engineer and administrator with the Oregon State Highway Department from 1919 to 1946, were the focus of HAER's Oregon documentation. One of the more significant American innovators in concrete bridge design, McCullough combined technological advances with an engineering aesthetic. During the summer of 1990, HAER documented 19 of McCullough's bridges, as well as four bridges in Portland, two additional bridges on the scenic Columbia River Highway, and the oldest extant bridge in Oregon, the 1882 Hayden Bridge in Springfield. One of the more impressive McCullough bridges documented included the Rogue River Bridge at Gold Beach, completed in 1932, the first American bridge to use the principles of prestressing, as developed by Eugene Freyssinet in Europe. Other bridges documented included the first concrete tied-arch bridge in the Pacific Northwest, the Wilson River Bridge near Tillamook, and the five different designs McCullough built to complete the Pacific Coast Highway in 1936--a steel arch, a concrete arch, a swing bridge, a bascule bridge, and a steel cantilever.

In Portland, two of the most important vertical lift bridges in the country were documented by the HAER team. The Hawthorne Bridge, built in 1910 by J.A.L. Waddell, is the oldest extant vertical lift bridge in America, and the Steel Bridge, completed in 1912 and also built by Waddell, is the only telescoping vertical lift bridge in the country. Also documented in Portland were bridges designed by noted bridge engineers Ralph Modjeski and David Steinman.

### Skagit Hydro Development (Phase II)

Newhalem, Washington

North Cascades National Park

(Multiyear Project)

Project Leaders: Eric N. DeLony, Chief, HAER  
G. Gray Fitzsimons, HAER Historian

Cosponsor: Seattle City Light Company  
Pacific Northwest Regional Office, NPS  
North Cascades National Park

Team Members: Rita A. Goodrich, Supervisory Architect, University of Minnesota  
Dione Marie De Martelaere, Architecture Technician, North Dakota State University  
Patricia Erigero, Historian, University of Oregon  
Orsolya Yasmin Hofer, Architect, Technical University of Budapest, Hungary [ICOMOS]  
Nancy F. Manniko, Historian, Virginia Polytechnic Institute and State University  
Douglas D. Pancoast, Architecture Technician, University of Kansas  
Dale O. Waldron, Architecture Technician, Rhode Island School of Design  
Jet Lowe, HAER Photographer

Located in the pristine Alpine Wilderness of Ross Lake National Recreation Area, which divides the northern and southern portions of North Cascades National Park, are three-and-a-half power plants and dams owned by the Seattle City Light Company. The Ross (450 megawatts), the Diablo (159 megawatts) and the Gorge (175 megawatts) are the three major power plants, while Newhalem (2.3 megawatts) is the minor (or half). Together, they generate 39% of the capacity for the city of Seattle. The "City" first developed the Skagit River in 1918, utilizing what the Superintendent of Lighting, J. D. Ross, called the three stage plan. Construction on the first powerhouse, Newhalem, was completed in 1921, and the last one, Ross, in 1955. Combined, they represent the evolution of hydroelectric technology over a 50-year period. The summer of 1989 was devoted to historical research and the selection of historic photographs and drawings. Based on this initial research, the scope for this, the second summer, was developed, preparing measured and interpretive drawings. HAER photographer Jet Lowe produced the photography.

## HABS/HAER PROJECTS

### Historic Wheeling Industrial Complexes and Victorian Houses

Wheeling, West Virginia

Project Leader: Paul D. Dolinsky, Chief, HABS  
Consulting Architect: Joseph D. Balachowski, HABS Architect  
Consulting Historian: Catherine C. Lavoie, HABS Historian  
HAER Consultant: Robbyn L. Jackson, HAER Architect

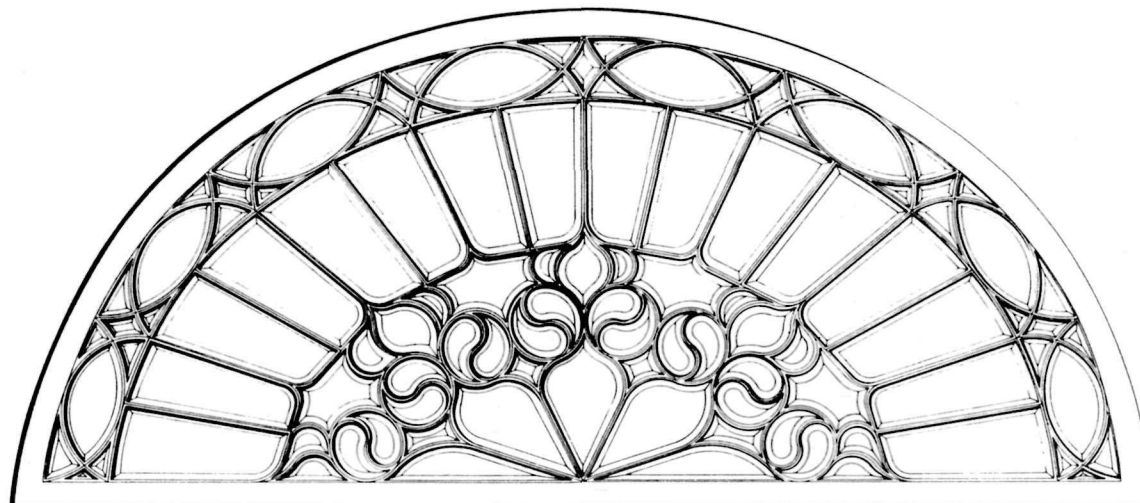
Cosponsors: Institute for the History of Technology and Industrial Archaeology,  
West Virginia University  
Victorian Wheeling Landmarks Foundation

Team Members: John P. White, Supervisory Architect and Professor, Texas Tech  
University  
Joelynn Barclay, Architecture Technician, University of Texas,  
Arlington  
Tatiana E. Begelman, Architecture Technician, Columbia University  
Steven C. Byington, Architecture Technician, Texas Tech University  
Laszlo Darago, Architect, Technical University of Budapest, Hungary  
[ICOMOS]  
Arlene R. Kriv, Historian, Rutgers, The State University  
Lee R. Maddex, Historian, West Virginia University  
Harold E. Phelps, III, Architecture Technician, University of Southern  
California  
Mark A. Radven, Architecture Technician, Texas Tech University  
Jack E. Boucher, HABS Photographer

After 14-year hiatus, HABS/HAER returned to Wheeling to document architecture and industry from the Victorian Age. During the nineteenth century, Wheeling became a transportation and manufacturing center, meeting the needs of immigrants arriving by the National Road (later U.S. Highway 40) and the Baltimore and Ohio Railroad, and then continuing westward down the Ohio River. The production of steel, glass, nails, and other industrial goods contributed to the prosperity of the city whose citizens then built ornate, finely-crafted homes. With measured drawings, photography, and written history, HABS documented the North Main Street homes of William Hazlett and George Eckhart. HAER also undertook two historically significant industrial sites, the Warwood Tool Company, one of the last hand-forged tool operations in the United States; and the La Belle Nailery, one of two surviving cut nail manufacturers in the U.S.

Finally, part of the team spent a week in Fairmont, West Virginia, preparing measured drawings of the High Gate Carriage House, a Tudor Revival structure associated with the home of West Virginia coal baron James E. Watson. Both the home and carriage house were designed by Philadelphia architect Horace Trumbauer. HABS photographer Jack E. Boucher provided photography.

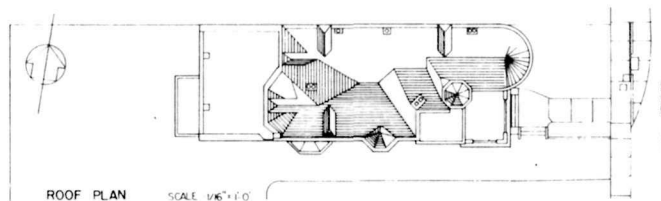




# EDWARD HAZLETT HOUSE

THE HISTORIC WHEELING RECORDING PROJECT WAS UNDERTAKEN DURING THE SUMMER OF 1990 BY THE HISTORIC AMERICAN BUILDINGS SURVEY/HISTORIC AMERICAN ENGINEERING RECORD (HABS/HAER) DIVISION OF THE NATIONAL PARK SERVICE, AND WAS COSPONSORED BY WEST VIRGINIA UNIVERSITY AND THE VICTORIAN WHEELING LANDMARK FOUNDATION. PRINCIPALS INVOLVED WERE ROBERT J. KAPSCH, CHIEF, HABS/HAER, AND PAUL D. DOLINSKY, PRINCIPAL ARCHITECT, HABS AND PROJECT LEADER.

THE DOCUMENTATION WAS PRODUCED IN THE HABS/HAER FIELD OFFICE, WHEELING, WEST VIRGINIA IN 1990 BY PROFESSOR JOHN P. WHITE, SUPERVISORY ARCHITECT, TEXAS TECH UNIVERSITY, ARCHITECTURAL TECHNICIANS JOELYN BARCLAY, UNIVERSITY OF TEXAS AT ARLINGTON, TATIANA BEGELMAN, COLUMBIA UNIVERSITY, STEVEN C. BYINGTON, TEXAS TECH UNIVERSITY, LASZLO A. DARAGO, TECHNICAL UNIVERSITY OF BUDAPEST (U.S.-ICOMOS, HUNGARY), HAROLD E. PHELPS III, UNIVERSITY OF SOUTHERN CALIFORNIA, MARK A. RADVEN, TEXAS TECH UNIVERSITY, HISTORIANS ARLENE R. KRIV, RUTGERS UNIVERSITY, AND LEE R. MADDEX, WEST VIRGINIA UNIVERSITY.



THE HAZLETT HOUSE WAS BUILT BY HENRY K. LIST, A WEALTHY CITIZEN OF WHEELING, FOR HIS DAUGHTER JESSIE L. HAZLETT, AND REPRESENTS ONE OF THE OUTSTANDING RESIDENTIAL BUILDING ACHIEVEMENTS OF 1891. THAT YEAR, COMMERCIAL AND RESIDENTIAL BUILDING IN WHEELING WERE CONSIDERED TO BE UNPRECEDENTED IN SCOPE, DEMONSTRATING THAT—ACCORDING TO THE WHEELING DAILY INTELLIGENCER, OCTOBER 29, 1891—"PROGRESS IS THE WATCHWORD OF THE COMMUNITY."

THE THREE-STORY BUILDING IS SITUATED BETWEEN THE RESIDENCES OF HENRY K. LIST AT 827 MAIN STREET AND JOHN K. LIST AT 823 MAIN STREET. THE RED BRICK ROMANESQUE REVIVAL STRUCTURE IS DISTINGUISHED BY A CONSPICUOUS OCTAGONAL TOWER WITH FRAMED OVAL WINDOWS, SEVEN BAYS—INCLUDING A PROMINENT TWO-STORY BAY THAT CONSTITUTES THE FACADE, AND A SLATE ROOF.

# HABS/HAER PROJECTS

## HABS/HAER Office

Washington, D.C.

### **Altoona, PA., Project**

Kim E. Wallace, Historian, University of Pennsylvania

Served as editor for the architectural study of Altoona. This study was published in the fall as *Railroad City: Four Historic Neighborhoods in Altoona, Pennsylvania.*

### **America's Industrial Heritage Project**

Kenneth D. Rose, Historian, University of California, Los Angeles

Served as reviewer and assistant in the publishing of the HAER inventories of Fayette, Blair and Cambria counties in Pennsylvania.

### **Transmittals**

Janet G. Blutstein, Historian, University of Maryland

Laura E. Haring, Historian, Mary Washington College

Julianne Jorgensen, Architecture Technician, University of Maryland

Edited manuscripts and transmitted documentation to the HABS/HAER collections at the Library of Congress.

### **Summer Program Support**

Tina B. Webb, Clerk-Typist

Provided clerical assistance to the Field Program Administrator.

# HABS PROJECT IN THE REGIONS

## Pueblitos of Dinetah

Frances Canyon, New Mexico

- Project Leaders: Thomas G. Keohan, Historical Architect, Rocky Mountain Regional Office, NPS  
Gregory D. Kendricks, Senior Historian, Rocky Mountain Regional Office, NPS
- Archeological Consultants: Stephen Fosberg, State Archeologist, Bureau of Land Management  
Louann Jacobson, Assistant State Archeologist, Bureau of Land Management  
Manton Botsford, Area Archeologist, Bureau of Land Management
- Cosponsor: Bureau of Land Management
- Team Members: Roger Goddard, Supervisory Architect, Texas Tech University, Lubbock  
Mira Metzinger, Architecture Technician, University of Colorado, Boulder  
Evan Miller, Architecture Technician, University of Colorado, Boulder  
Rodney Shaw, Architecture Technician, Texas Tech University, Lubbock

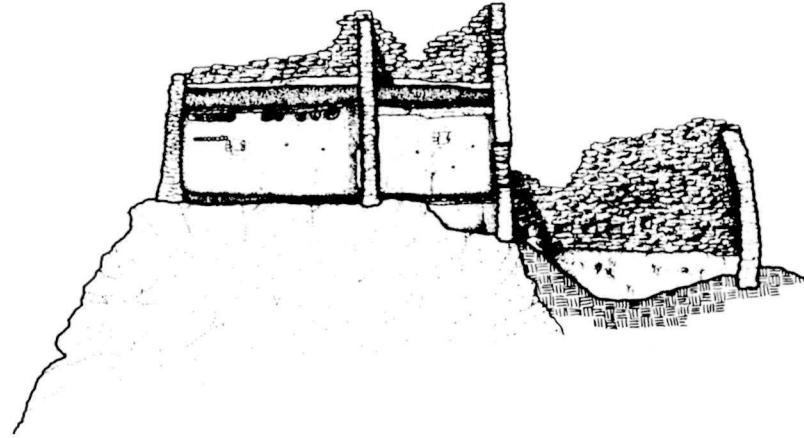
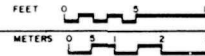
Located in northern New Mexico, the Pueblitos of Dinetah, or small pueblos of the Navajo homeland, are important structures which yield substantial information about the origins and evolution of the Navajo culture and contribute to our understanding of the economics, settlement patterns, social organization, and warfare between the Navajo, Ute and Pueblo Indians and the Spanish from 1680 to the mid-18th century. When the Spanish regained control in 1692, most Pueblo groups fled westward to Navajo territory in the Largo-Gobernador area in northern New Mexico. The influence of Pueblo refugees on the Navajo culture is exhibited in the pottery, rock art, and architecture of the region. By 1715, Ute attacks, encouraged by the Spanish, were threatening the survival of the Navajo and Pueblo people. These conflicts led to increased use of mesa tops, cliff faces, and large boulders as construction sites, with most structures defensively positioned for protection from attack.

Constructed of unfinished sandstone and mud mortar with earthen roofs and floors, the pueblitos have expansive views of the surrounding territory, and often maintain a line-of-sight with each other. They vary from a single room to multi-storied buildings with 40 rooms. Navajo and historic Pueblo artifacts found at the site reveal contact with a wide geographical area. These unique structures reflect the blending of 18th century Navajo, Pueblo and Spanish architectural styles. The pueblitos include such architectural features as viga and latilla ceilings, masonry walls with interior plaster, blind entryways, storage racks, hooded fireplaces, and roof hatchways. Abandoned two and one-half centuries ago, the pueblitos are in the physical remnants of unique period in history when three cultures came in close contact for a brief period in the Dinetah.

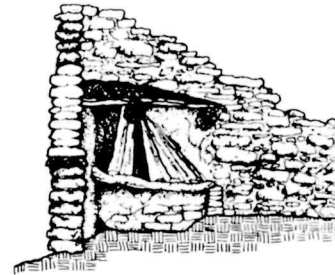
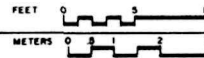
While every pueblito is different, the structures documented under this project were chosen to represent the various types and locations of sites found throughout the study area. This project was undertaken by the Rocky Mountain Regional Office under a Memorandum of Agreement with HABS/HAER.



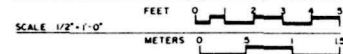
SECTION A-A  
SCALE 1/4" = 1'-0"



SECTION B-B  
SCALE 1/4" = 1'-0"



SECTION C-C HOODED FIREPLACE DETAIL



MIRA D. METZINGER, EMM E. MULLER, AND RODNEY B. SHAW 1990

ROCKY MOUNTAIN REGIONAL OFFICE / DENVER  
UNIVERSITY OF COLORADO CENTER FOR THE WEST

NAME AND LOCATION OF STRUCTURE  
FRANCES CANYON PUEBLITO  
RIO ARRIBA COUNTY  
NEW MEXICO

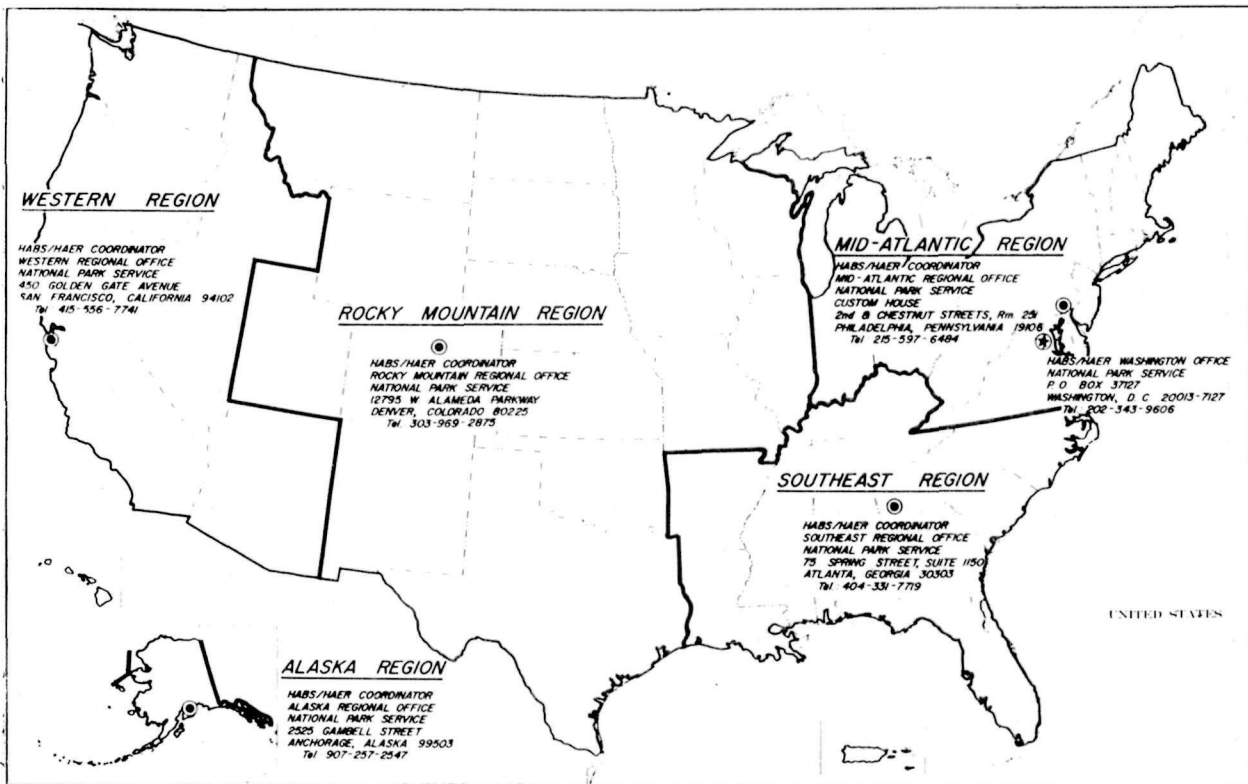
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NM-135  
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DATE  
1990

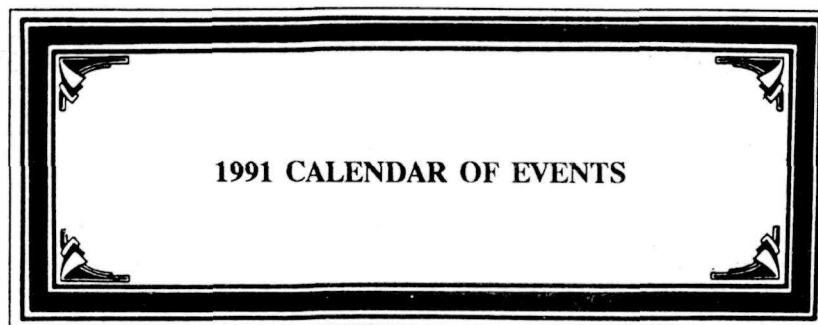
# MITIGATIVE DOCUMENTATION PROGRAM

Under the provisions of the National Historic Preservation Act of 1966, as amended, Federal agencies are required to produce documentation to HABS/HAER standards on buildings, structures, sites, and objects that are listed in or eligible for listing in the National Register of Historic Places and that are threatened with demolition or substantial alteration by projects with Federal involvement. The five National Park Service regional offices charged with external historic preservation responsibilities administer the HABS/HAER mitigative documentation program. The actual work is usually conducted by contractors and supervised by the responsible Federal agency. The documentation produced is reviewed by the regional coordinator and transmitted to the HABS/HAER Washington office for inclusion in the HABS/HAER collections at the Library of Congress. The regional coordinators are:

- |   |                       |                  |
|---|-----------------------|------------------|
| * | Alaska Region         | Kate Lidfors     |
| * | Western Region        | Ann Huston       |
| * | Rocky Mountain Region | Gregory Kendrick |
| * | Mid-Atlantic Region   | Tina C. LeCoff   |
| * | Southeast Region      | Richard Ramsden  |







**1991 CALENDAR OF EVENTS**

- January 1**                    22nd Birthday of the Historic American Engineering Record (HAER)
- February 3**                    Opening of Exhibition--"Historic Architecture of the Prince George's County, Maryland, Arts Club of Washington (sponsored by HABS and Prince George's County Historic Commission)
- February 15**                    Closing date for applications for Sally Kress Tompkins Fellowship and Internship
- March 11**                        Closing Date for applications for HABS/HAER summer teams
- March 16-20**                    Annual meeting of National Conference of State Historic Preservation Officers, with HABS/HAER Exhibit and Reception
- April 11-13**                    Annual Meeting of Council of American Maritime Museum and opening of HAER Exhibition, "Maritime Recording," Calvert Marine Museum, Solomons, Maryland.
- April 24-28**                    Annual meeting of the Society of Architectural Historians, Cincinnati, Ohio. A reception for HABS and HAER friends and alumni will be held at the Omni Netherland Plaza Hotel on April 25th. The Sally Kress Tompkins Fellowship in Architectural History will be announced at this meeting.
- May**                                First HABS/HAER summer teams are fielded
- May 12-18**                      Preservation Week
- May 17-20**                      American Institute of Architects Convention, Washington, D.C.
- June 13-15**                      Annual meeting of the Society for Industrial Archeology, Chicago.
- June 30**                         Closing date for Charles E. Peterson Prize entries
- July 27-28**                      Annual HABS/HAER picnic and reception for summer teams, Washington, D.C.
- August 23**                      Birthday of HABS founder Charles E. Peterson
- August 25**                      75th Birthday of the National Park Service
- October 4-7**                      AIA Committee on Historic Resources Meeting, Lincoln, Nebraska - Awarding of 1991 Peterson Prize
- October 16-20**                    Annual meeting of the National Trust for Historic Preservation, San Francisco
- November 17**                    58th Birthday of the Historic American Buildings Survey (HABS)
- December 12**                    Meeting of the HABS/HAER Project Leaders
- December 12**                    Annual HABS/HAER Holiday Exhibition and Reception



### HABS/HAER STAFF ROSTER

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 P.O. Box 37127  
 Washington, D.C. 20013-7127

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BALACHOWSKI, Joseph D.	HABS Architect	343-9629
BARTHOLD, Elizabeth J.	HABS Historian, L'Enfant Project	343-9617
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BERGSTROM, R. Marlene	HABS/HAER Field Program Administrator	343-9600
BOUCHER, Jack E.	HABS Photographer	343-9614
BRANNAN, Michael	HABS Architect, White House Project	343-3798
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DEBNAM, Albert N.	HAER Architecture Intern, Howard University	343-9631
DeLONY, Eric N.	Chief, HAER	343-9603
DOLINSKY, Paul D.	Chief, HABS	343-9611
DUREN, Nichole N.	HABS Architecture Intern, Howard University	343-9611
ELLIOTT, Robyn M.	HABS/HAER Secretary	343-9618
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HERRIN, Dean A.	HAER Historian	343-9602
HOAGLAND, A. Kim	HABS Senior Historian	343-9601
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LOWE, John T. "Jet"	HAER Photographer	343-9613
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SABADASZ, Joel	HAER Historian, Mon Valley Steel Project	(412) 464-0784
SEBOLD, Kimberley R.	HABS Historian, New Jersey Coastal Heritage Project	(609) 785-0676
STRONG, Craig N.	HAER Architect	343-9610
WEBB, Tina B.	HABS/HAER Clerk-Typist	343-3870
WILSON, Georgette R.	HABS/HAER Collections Management Specialist	343-9599
YANG, Isabel C.	HABS Architect, Monticello Project	343-9615
YEARBY, Jean P.	HABS/HAER Publications Specialist	343-9628

FAX: (202) 343-4018

# APPENDIX I

## HABS/HAER 1990 TRANSMITTALS

### Part A: HABS Transmittals

1

HABSCODE	CITY-TOWN	RECORD NAME	/NDRW NPHO DATA			
AK-30-A	SKAGWAY VIC.	Canyon City, Building S3	/	1	0	0
AK-30-B	SKAGWAY VIC.	Canyon City, Dyea-Klondike Transportation	/	1	0	0
AK-48	KODIAK	Coast Guard Station	/	0	4	0
AK-7-J	EAGLE	Eagle, Town of, Cabin	/	0	8	5
AK-18	KING SALMON VIC	Fure's, Roy, Trapping Cabin	/	4	0	0
AK-5-N	NOME	Iditarod Trail, St. Joseph's Roman Cath	/	8	1	0
AK-29-A	SKAGWAY VIC.	Sheep Camp, Building S4	/	1	0	0
AK-29-B	SKAGWAY VIC.	Sheep Camp, Building S5	/	1	0	0
AK-29-C	SKAGWAY VIC.	Sheep Camp, Building S7	/	1	0	0
AK-29-D	SKAGWAY VIC.	Sheep Camp, Building S8	/	1	0	0
AK-48-D	KODIAK	U.S. Coast Guard Station: Fuel Pier	/	0	8	1
AK-48-E	KODIAK	U.S. Coast Guard Station: Hanger II	/	0	7	1
AK-48-C	KODIAK	U.S. Coast Guard Station: Marginal Wharf	/	0	10	1
AK-49	FAIRBANKS	U.S.O. Recreation Center	/	3	0	0
AL-871-A	MEMPHIS	Charity House, Outbuilding	/	0	1	0
AL-871-B	MEMPHIS	Charity House, Outhouse	/	0	1	0
AL-890	LAFAYETTE	Hightower Building	/	14	0	18
CA-2292	ALHAMBRA	Alhambra Fire Station No. 4	/	0	9	2
CA-1911	EUREKA	Carson House	/	1	24	7
CA-1886	SACRAMENTO	Gallatin, Albert, House	/	9	21	5
CA-2280	SAN JOSE	Hutton, Warner, House	/	0	36	5
CA-2290	SOUTH PASADENA	Oakland Avenue Waiting Station	/	5	0	0
CA-2287	SAN FRANCISCO	Pier 42 Bulkhead Building	/	0	15	3
CA-2273	PACIFIC PALISAD	Rogers, Will, Ranch	/	2	0	0
CA-2273-B	PACIFIC PALISAD	Rogers, Will, Ranch, Guest House	/	1	0	1
CA-2273-A	PACIFIC PALISAD	Rogers, Will, Ranch, Main House	/	3	0	2
CA-2273-C	PACIFIC PALISAD	Rogers, Will, Ranch, Stables	/	3	0	1
CA-2279	NEWELL	Tule Lake Project Jail	/	0	28	7
CA-2274	SANTA CRUZ	Wilder Ranch	/	3	0	0
CA-2274-B	SANTA CRUZ	Wilder Ranch, Cow Barn	/	1	0	6
CA-2274-D	SANTA CRUZ	Wilder Ranch, Granary	/	0	0	5
CA-2274-A	SANTA CRUZ	Wilder Ranch, Horse Barn	/	2	0	10
CA-2274-C	SANTA CRUZ	Wilder Ranch, Shops/Bunkhouse	/	1	0	7
CO-61	ASPEN	Aspen Lumber Company Building	/	5	12	4
CO-88	LITTLETON	Bemis, Fred A., Farmhouse	/	6	0	0
CO-87	DENVER	Empire Building	/	0	29	24
CO-62	PARSHALL VIC.	Horseshoe Ranger Station.	/	4	10	7
CO-83	DENVER	Moffat Station	/	4	0	18
CT-415	EAST HARTFORD	535 Main Street	/	0	15	4
CT-410	WATERBURY	Griggs Building	/	0	14	22
CT-408	WATERBURY	Pritchard Building	/	0	7	17
CT-411	WATERBURY	Republican Building	/	0	9	21
CT-409	WATERBURY	Whittemore Building	/	0	6	19
DC-626	WASHINGTON	1124 East Capitol Street, S.E.	/	1	0	0
DC-635	WASHINGTON	1209 Thirty-Fifth Street, Northwest	/	1	0	0
DC-632	WASHINGTON	1330 Thirtieth Street, N.W.	/	1	0	0
DC-650	WASHINGTON	1352 Twenty-Eighth Street, Northwest	/	1	0	0
DC-637	WASHINGTON	1422 Thirty-Third Street, Northwest	/	1	0	0
DC-652	WASHINGTON	1537 Twenty-Eighth Street, Northwest	/	1	0	0
DC-627	WASHINGTON	28 Ninth Street, N.E.	/	1	0	0
DC-631	WASHINGTON	2918 P Street, N.W.	/	1	0	0
DC-645	WASHINGTON	3006 P Street, Northwest	/	1	0	0
DC-630	WASHINGTON	3014 N Street, N.W.	/	1	0	0
DC-629	WASHINGTON	3019 P Street, N.W.	/	1	0	0

NDRW = No. of Drawings  
 NPHO = No. of Photographs  
 DATA = Data Pages

HABSCODE	CITY-TOWN	RECORD NAME	/NDRW NPHO DATA			
=====						
DC-648	WASHINGTON	3040 P Street,Northwest	/	1	0	0
DC-646	WASHINGTON	3111 N Street,Northwest	/	1	0	0
DC-649	WASHINGTON	3121 O Street,Northwest	/	1	0	0
DC-636	WASHINGTON	3128 Dumbarton Street,Northwest	/	1	0	0
DC-634	WASHINGTON	3130 Dumbarton Street,Northwest	/	1	0	0
DC-622	WASHINGTON	317 East Capitol Street,S.E.	/	1	0	0
DC-638	WASHINGTON	3300 O Street,Northwest	/	1	0	0
DC-633	WASHINGTON	3320 N Street,N.W.	/	1	0	0
DC-651	WASHINGTON	3320 Prospect Street,Northwest	/	1	0	0
DC-647	WASHINGTON	3328 N Street,Northwest	/	1	0	0
DC-628	WASHINGTON	420 Tenth Street,Southeast	/	4	0	0
DC-625	WASHINGTON	541 Seventh Street,S.E.	/	1	0	0
DC-624	WASHINGTON	602 East Capitol Street,S.E.	/	1	0	0
DC-623	WASHINGTON	913 East Capitol Street,S.E.	/	1	0	0
DC-621	WASHINGTON	Capitol Hill Historic District	/	1	0	0
DC-147	WASHINGTON	Chesapeake & Ohio Canal,Georgetown Sec.	/	0	17	15
DC-620	WASHINGTON	Georgetown Historic District-Facades	/	2	0	0
DC-442	WASHINGTON	Navy Yard	/	0	0	6
DC-19	WASHINGTON	St. John's Church	/	13	25	31
DC-139	WASHINGTON	Union Station	/	0	29	1
DE-248	PRICES CORNER V	Elliot,William,House	/	0	5	1
DE-207-C	MCDONOUGH VIC.	Monterey,Smokehouse	/	3	1	1
DE-246-A	ODESSA VIC.	Oakland Plantation,Smokehouse	/	4	0	1
DE-249	PRICES CORNER V	Williams,Andrew Jackson,House	/	0	3	1
FL-138	ST. AUGUSTINE	Oldest House,The	/	21	14	35
GA-2202	PLAINS	Carter Peanut Warehouse Complex	/	0	3	11
GA-243	PLAINS	Carter,Billy,Service Station	/	0	4	8
GA-245	PLAINS VIC.	Carter,Jimmy,Boyhood Home	/	4	10	12
GA-245-A	PLAINS VIC.	Carter,Jimmy,Boyhood Home,Commissary	/	1	6	0
GA-245-B	PLAINS VIC.	Carter,Jimmy,Boyhood Home,Tenant House	/	0	5	0
GA-244	PLAINS	Carter,Jimmy,House	/	0	6	10
GA-2230	PLAINS	Carter,Jimmy,National Historic Site	/	1	0	0
GA-2207	PLAINS	Carter,Lillian & Earl,House	/	0	4	7
GA-2203	PLAINS	Carter,Rosalynn,Childhood Home	/	0	7	8
GA-2215	PLAINS	Dean,Ross,Funeral Home	/	0	1	5
GA-2214	PLAINS	Forrester General Store	/	0	1	5
GA-2217	PLAINS	Lunsford-French-Timmerman General Store	/	0	1	6
GA-2208	PLAINS	Maranatha Baptist Church	/	0	4	7
GA-2219	PLAINS	Oliver-French Company	/	0	1	6
GA-2220	PLAINS	Oliver-French-Shields Company	/	0	1	6
GA-2221	PLAINS	Oliver-McDonald Company	/	0	1	6
GA-2218	PLAINS	Plains Bank	/	0	1	6
GA-2212	PLAINS	Plains Baptist Church	/	0	5	8
GA-2209	PLAINS	Plains Depot	/	5	10	9
GA-2211	PLAINS	Plains Methodist Church	/	0	4	8
GA-2210	PLAINS	Plains Public Housing, No. 9A	/	1	3	7
GA-2206	PLAINS	Plains School	/	6	25	14
GA-2206-A	PLAINS	Plains School,Gymnasium	/	0	13	0
GA-2204	PLAINS	Pond House	/	0	6	7
GA-2205	PLAINS	Rylander,Matthew Edmund,House	/	0	12	13
GA-2216	PLAINS	Wise Sanatorium No. 1	/	0	2	8
GA-2213	PLAINS	Wise Sanatorium No. 2	/	0	14	12
IA-163-C	PROTIVIN	Chyle,Frank,Jr.,Milkhouse	/	0	1	0
IA-163-A	PROTIVIN	Chyle,Frank,Jr.,Summer Kitchen	/	0	1	0

APPENDIX I

HABSCODE	CITY-TOWN	RECORD NAME	/NDRW NPHO DATA			
IA-164	AMES	Dairy Industry Building	/	0	51	36
IA-165	DAVENPORT	Palmer Mansion	/	13	0	0
ID-88	WALLACE	11 Westside	/	0	3	7
ID-83	WALLACE	15 Westside	/	0	3	6
ID-89	WALLACE	2 Hemlock	/	0	3	7
ID-97	WALLACE	28 Westside	/	0	4	6
ID-86	WALLACE	5 Spruce Street	/	0	3	6
ID-90	WALLACE	6 Hemlock	/	0	3	8
ID-93	WALLACE	61 River Street	/	0	4	8
ID-81	WALLACE	7 Westside	/	0	4	8
ID-91	WALLACE	8 Hemlock	/	0	3	7
ID-85	WALLACE	9 Hemlock	/	0	4	6
ID-95	WALLACE	Beiswinger,Carl and Annie,House	/	0	3	8
ID-94	WALLACE	Beiswinger,Carl,House	/	0	3	7
ID-92	WALLACE	Johnson,Leonard A.,House	/	0	4	8
ID-87	WALLACE	Olson,Henry and Olga,House	/	0	5	7
ID-104	POCATELLO	Pocatello Railroad YMCA Building	/	0	17	0
ID-84	WALLACE	Reich,Leo,E.,House	/	0	4	6
ID-82	WALLACE	Smith,Henry,House	/	0	3	6
ID-96	WALLACE	Vallard,Diserie,House	/	0	3	8
IL-1147	HIGHLAND PARK	Casino Building	/	7	10	4
IL-1153	LOCKPORT	Fitzpatrick House	/	15	0	0
IL-1153-A	LOCKPORT	Fitzpatrick House,Horse Barn	/	2	0	0
IL-320	JOLIET	Joliet,Town of	/	0	0	442
IL-313	LASALLE	Lasalle,Town of	/	0	0	341
IL-311	LEMONT	Lemont,Town of	/	0	0	241
IL-317	MARSEILLES	Marseilles,Town of	/	0	0	128
IL-286	FORT GAGE	Menard,Pierre,House	/	1	8	4
IL-310	MORRIS	Morris,Town of	/	0	0	694
IL-316	OTTAWA	Ottawa,Town of	/	0	0	679
IL-1152	WILMETTE	Roemer House	/	0	13	6
IL-1154	ROCKFORD	Ticknor & Dickerman`s & Winnebago Nation/	/	0	10	20
IN-210	INDIANAPOLIS	Schnull`s Block (Commercial Building)	/	0	0	13
LA-1190	NEW ORLEANS	Chesneau Mansion	/	11	0	0
LA-1204	EDGARD	Columbia Plantation	/	13	0	0
LA-1195	ST. JAMES	Crescent Farm Plantation	/	1	0	0
LA-1196	OPELOUSAS	Dupre,Governor Jacques,Gravesite	/	4	0	0
LA-1201	OPELOUSAS	Dupre,Governor Jacques,House	/	10	0	0
LA-1182	ST. MARTINVILLE	Fontenette House	/	6	0	0
LA-1184	ST. MARTINVILLE	Foti Townhouse	/	2	0	0
LA-1183	ST. MARTINVILLE	Gary Building	/	1	0	0
LA-150	LUCY	Glendale Plantation	/	26	3	0
LA-1202	ST. JAMES	Graugnard Farms Plantation	/	13	0	0
LA-1200	ST. JAMES	Hymel House	/	10	0	0
LA-1179	IBERVILLE VIC.	Kroll House	/	5	0	0
LA-1198	EDGARD	Kroll Plantation	/	9	0	0
LA-1207-A	BATON ROUGE	LSU Livestock Judging Pavilion	/	14	0	0
LA-1205	NEW ROADS	Labatut Plantation	/	3	0	0
LA-1205-A	NEW ROADS	Labatut Plantation, Main House	/	20	0	0
LA-1180-A	BATCHELOR	Lakeside Plantation,Pigeonniers	/	4	0	0
LA-1188	OPELOUSAS VIC.	Live Oak Plantation House	/	12	0	0
LA-1197	NEW ORLEANS	Lombard Manor House	/	16	0	0
LA-1130	BATON ROUGE	Magnolia Mound	/	19	16	16
LA-1193	NATCHITOCHE VI	Magnolia Plantation	/	4	0	0

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HABSCODE	CITY-TOWN	RECORD NAME	/NDRW NPHO DATA			
LA-1193-D	NATCHITOCHE	Magnolia Plantation,Blacksmith Shop	/	4	0	0
LA-1193-G	NATCHITOCHE	Magnolia Plantation,Corn Crib	/	1	0	0
LA-1193-A	NATCHITOCHE	Magnolia Plantation,Cotton Gin Press	/	6	0	0
LA-1193-H	NATCHITOCHE	Magnolia Plantation,Magnolia Store	/	2	0	0
LA-1193-C	NATCHITOCHE	Magnolia Plantation,Overseer's House	/	6	0	0
LA-1193-E	NATCHITOCHE	Magnolia Plantation,Pigeonnier & Fatten	/	1	0	0
LA-1193-F	NATCHITOCHE	Magnolia Plantation,Privy	/	1	0	0
LA-1193-B	NATCHITOCHE	Magnolia Plantation,Slave Quarters	/	2	0	0
LA-1185	ST. MARTINVILLE	Martin House	/	11	0	2
LA-1191	LECOMPTE VIC.	Meeker Sugar Cooperative	/	2	0	0
LA-1191-E	LECOMPTE VIC.	Meeker Sugar Cooperative,Administrative	/	2	0	0
LA-1191-D	LECOMPTE VIC.	Meeker Sugar Cooperative,Chemist's Offic	/	1	0	0
LA-1191-A	LECOMPTE VIC.	Meeker Sugar Cooperative,Sugar Mill	/	5	0	0
LA-1191-B	LECOMPTE VIC.	Meeker Sugar Cooperative,Syrup Canning	/	1	0	0
LA-1191-C,	LECOMPTE VIC.	Meeker Sugar Cooperative,Warehouse	/	3	0	0
LA-1189	LA PLACE	Montegut Plantation	/	9	0	0
LA-1192	BERMUDA	Oakland Plantation	/	32	0	0
LA-1192-J	BERMUDA	Oakland Plantation,Barn	/	4	0	0
LA-1192-B	BERMUDA	Oakland Plantation,Carpenter's Shop	/	1	0	0
LA-1192-L	BERMUDA	Oakland Plantation,Carriage House	/	3	0	0
LA-1192-D	BERMUDA	Oakland Plantation,Chicken Coop	/	2	0	0
LA-1192-A	BERMUDA	Oakland Plantation,Cook's House	/	3	0	0
LA-1192-N	BERMUDA	Oakland Plantation,Corral Shed	/	4	0	0
LA-1192-P	BERMUDA	Oakland Plantation,Doctor's House	/	4	0	0
LA-1192-G	BERMUDA	Oakland Plantation,Fattening Pen	/	1	0	0
LA-1192-I	BERMUDA	Oakland Plantation,North Pigennier	/	2	0	0
LA-1192-Q	BERMUDA	Oakland Plantation,Overseer's House	/	3	0	0
LA-1192-O	BERMUDA	Oakland Plantation,Plantation Store	/	5	0	0
LA-1192-C	BERMUDA	Oakland Plantation,Setting Pen	/	1	0	0
LA-1192-M	BERMUDA	Oakland Plantation,Slave Quarter	/	3	0	0
LA-1192-K	BERMUDA	Oakland Plantation,South Pigeonnier	/	2	0	0
LA-1192-H	BERMUDA	Oakland Plantation,Stables	/	4	0	0
LA-1192-E	BERMUDA	Oakland Plantation,Storage Shed	/	1	0	0
LA-1192-F	BERMUDA	Oakland Plantation,Wash House	/	1	0	0
LA-1187	OSCAR VIC.	Riverlake Plantation	/	19	0	0
LA-1187-A	OSCAR VIC.	Riverlake Plantation,Pigeonnier One	/	1	0	0
LA-1187-B	OSCAR VIC.	Riverlake Plantation,Pigeonnier Two	/	3	0	0
LA-1199	ST. JAMES	Robicheaux House	/	5	0	0
LA-1186	ST. MARTINVILLE	St. John Plantation	/	1	0	0
LA-1186-A	ST. MARTINVILLE	St. John Plantation,Creole Cottage One	/	3	0	0
LA-1186-B	ST. MARTINVILLE	St. John Plantation,Creole Cottage Two	/	3	0	0
LA-1203	WASHINGTON	Wartelle Plantation	/	18	0	0
LA-1181	HANHVILLE	Zeringue House	/	13	0	0
MA-1247-A	BOSTON	Charlestown Navy Yard,Ropewalk & Tar H	/	14	0	0
MA-1228	LINCOLN	Gropius House	/	0	42	1
MA-1235	HINSDALE	Hinsdale Library	/	0	7	1
MA-1224	CHARLTON	Rider Tavern	/	0	20	1
MA-1213	WORCESTER	S. B. Watson Cottage	/	0	5	5
MA-1212	WEBSTER	Slater,George B.,Carriage House	/	0	9	5
MA-169	CAMBRIDGE	Vassall-Craigie-Longfellow House & Gar	/	25	26	0
MD-992	WOODLAWN	6720 Dogwood Road (House)	/	3	0	0
MD-300	GLEN ECHO	Barton,Clara,House	/	9	11	0
MD-307	FORT WASHINGTON	Fort Washington,Powder Magazine Number 1	/	1	0	0
MD-202	CHEVY CHASE VIC	Hayes Manor	/	13	31	14



APPENDIX I

HABSCODE	CITY-TOWN	RECORD NAME	/NDRW NPHO DATA			
MI-317	GRAND MARAIS VI	Au Sable Light Station	/	7	0	0
MI-317-C	GRAND MARAIS VI	Au Sable Light Station, Boathouse	/	1	0	0
MI-317-A	GRAND MARAIS VI	Au Sable Light Station,Dwelling	/	3	0	0
MI-317-B	GRAND MARAIS VI	Au Sable Light Station,Fog Signals	/	1	0	0
MN-63	ST. PAUL	Allen,James D. ,Building	/	0	2	4
MN-62	ST. PAUL	Bishop Block	/	0	2	4
MN-91	MINNEAPOLIS	Chicago,Milwaukee,St. Paul & Pacific RR	/	0	17	3
MN-56-U	ST. PAUL	Fort Snelling,Bldg No. 248	/	0	4	1
MN-56-X	ST. PAUL	Fort Snelling,Building No. 226	/	0	3	3
MN-56-M	ST. PAUL	Fort Snelling,Building No. 240	/	0	6	1
MN-56-N	ST. PAUL	Fort Snelling,Building No. 241	/	0	4	1
MN-56-O	ST. PAUL	Fort Snelling,Building No. 242	/	0	4	1
MN-56-P	ST. PAUL	Fort Snelling,Building No. 243	/	0	3	1
MN-56-Q	ST. PAUL	Fort Snelling,Building No. 244	/	0	4	1
MN-56-R	ST. PAUL	Fort Snelling,Building No. 245	/	0	4	1
MN-56-S	ST. PAUL	Fort Snelling,Building No. 246	/	0	4	1
MN-56-T	ST. PAUL	Fort Snelling,Building No. 247	/	0	4	1
MN-56-V	ST. PAUL	Fort Snelling,Building No. 249	/	0	4	1
MN-56-W	ST. PAUL	Fort Snelling,Building No. 253	/	0	7	2
MN-56	St. Paul	Fort Snelling,Quarters Building	/	0	4	6
MO-60-H	CITY OF ST. LOU	Bauer,J. L.,House	/	0	0	1
MO-60-D	CITY OF ST. LOU	Bloch House	/	0	7	3
MO-60-G	CITY OF ST. LOU	Davis-Glaude House	/	0	7	2
MO-1283	STE. GENEVIEVE	DeLuziere,Pierre Delassus,House	/	5	13	6
MO-1875	HANNIBAL	Digel Block (Commercial Buildings)	/	0	11	7
MO-60-I	CITY OF ST. LOU	Euclid Realty Flat	/	0	7	3
MO-60-A	CITY OF ST. LOU	Euclid Realty Flats	/	0	7	3
MO-60-C	CITY OF ST. LOU	Farrel House	/	0	6	3
MO-1109	STE. GENEVIEVE	Guibourd-Valle House	/	7	28	8
MO-60-J	CITY OF ST. LOU	Hanpeter House	/	0	3	3
MO-60-F	CITY OF ST. LOU	Hehman House	/	0	7	4
MO-60-U	CITY OF ST. LOU	Humphrey House	/	0	7	4
MO-60-M	CITY OF ST. LOU	Hussman House	/	0	7	4
MO-60-T	CITY OF ST. LOU	Hynson House	/	0	7	4
MO-60	CITY OF ST. LOU	Kingway Center Commercial Area	/	1	8	13
MO-60-E	CITY OF ST. LOU	Kuhn-Le Faiure House	/	0	7	3
MO-1281	STE. GENEVIEVE	Lasource-Durand House	/	9	6	6
MO-60-Q	CITY OF ST. LOU	Reinhardt House	/	0	7	4
MO-60-B	CITY OF ST. LOU	Schmitt,Fred,Building	/	0	6	3
MO-60-O	CITY OF ST. LOU	Schmitt,Fred,Stable	/	0	5	3
MO-1282	STE. GENEVIEVE	Seraphin,Joseph,House	/	2	3	5
MO-60-K	CITY OF ST. LOU	Silva House	/	0	7	4
MO-60-L	CITY OF ST. LOU	Small House	/	0	6	4
MO-60-S	CITY OF ST. LOU	Small,J. P.,House	/	0	7	4
MO-60-P	CITY OF ST. LOU	Smith,James R.,House	/	0	7	4
MO-31-10	STE. GENEVIEVE	Valle,Jean Baptiste,House	/	8	25	7
MO-1285	STE. GENEVIEVE	Valle,Jean Baptiste,House II	/	7	8	6
MO-60-R	CITY OF ST. LOU	Vander Lippe House	/	0	7	4
MO-60-N	CITY OF ST. LOU	Wilkinson House	/	0	6	4
MT-81	FORTINE VIC.	Dahlberg,Swan J.,Farmstead	/	0	0	9
MT-81-A	FORTINE VIC.	Dahlberg,Swan J.,Farmstead,Residence	/	0	3	0
MT-81-C	FORTINE VICINIT	Dalberg,Swan J.,Farmstead,Bunkhouse	/	0	3	0
MT-81-B	FORTINE VICINIT	Dalberg,Swan J.,Farmstead,Garage/Storage/	/	0	3	0
MT-80-A	FORT BELKNAP	Fort Belknap Indian Agency,Employees C	/	0	5	20

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HABSCODE	CITY-TOWN	RECORD NAME	/NDRW NPHO DATA			
=====						
MT-80-B	FORT BELKNAP	Fort Belknap Indian Agency,House	/	0	3	0
MT-76	MILES CITY	Fort Keogh,Livestock & Range Research	/	0	3	12
MT-76-A	MILES CITY	Fort Keogh,Officers Quarters A	/	0	20	0
MT-76-B	MILES CITY	Fort Keogh,Officers Quarters B	/	0	13	0
MT-69-B	BILLINGS	Myaer Barn	/	0	5	0
MT-69-A	BILLINGS	Myaer House	/	0	6	6
MT-78	AVON VIC.	Rice's Gas Station Complex	/	0	4	6
MT-78-B	AVON VIC.	Rice's Gas Station Complex,Log House	/	0	0	1
MT-78-A	AVON VIC.	Rice's Gas Station Complex,Motel	/	0	1	1
MT-78-C	AVON VIC.	Rice's Gas Station Complex,Privy	/	0	0	1
ND-18	GOODRICH VIC.	Winter,Daniel,House	/	7	14	10
NE-41-A	LINCOLN	Leavitt,Bert W.	/	0	4	7
NH-25	BOSCAWEN	Penacook House	/	0	79	0
NJ-956	TRENTON	10 North Warren Street (Commercial B	/	0	7	12
NJ-969	TRENTON	11-15 North Broad Street (Commercial B	/	0	5	15
NJ-957	TRENTON	12 N. Warren Street (Commercial Building/	/	0	2	13
NJ-963	TRENTON	12-14 East State Street (Commercial B	/	0	2	3
NJ-946	PATERSON	144 Oliver Street	/	0	1	3
NJ-947	PATERSON	146 Oliver Street	/	0	1	3
NJ-948	PATERSON	150-152 Oliver Street	/	0	1	3
NJ-964	TRENTON	16 East State Street (Commercial B	/	0	1	3
NJ-959	TRENTON	16 North Warren Street (Commercial B	/	0	4	13
NJ-949	PATERSON	169 Oliver Street	/	0	1	3
NJ-950	PATERSON	171 Oliver Street	/	0	1	3
NJ-951	PATERSON	173 Oliver Street	/	0	1	3
NJ-952-A	PATERSON	177 Oliver Street, Rear	/	0	1	3
NJ-952	PATERSON	177 Oliver Street,Front	/	0	1	3
NJ-953	PATERSON	179-181 Oliver Street (Commercial B	/	0	1	3
NJ-965	TRENTON	18 East State Street (Commercial B	/	0	1	3
NJ-961	TRENTON	2-6 East State Street (Commercial B	/	0	10	15
NJ-966	TRENTON	20 East State Street (Commercial B	/	0	1	2
NJ-967	TRENTON	22-26 East State Street (Commercial B	/	0	1	3
NJ-971	TRENTON	25-27 East Hanover Street (Commercial B	/	0	5	13
NJ-972	TRENTON	27 East Hanover Street (Commercial B	/	0	1	3
NJ-973	TRENTON	29 East Hanover Street (Commercial B	/	0	1	3
NJ-942	PATERSON	30 Ward Street	/	0	1	3
NJ-970	TRENTON	33 East Hanover Street (Commercial B	/	0	2	3
NJ-943	PATERSON	45-47 Ward Street	/	0	7	12
NJ-944	PATERSON	49-53 Ward Street	/	0	2	4
NJ-978	PASSAIC	77 Dayton Avenue (Apartment Building)	/	0	6	4
NJ-955	TRENTON	8 North Warren Sreet (Commercial B	/	0	1	3
NJ-962	TRENTON	8-10 East State Street (Commercial B	/	0	6	17
NJ-977	PASSAIC	95-97 Dayton Ave.	/	0	5	4
NJ-945	PATERSON	Morrisse Building	/	0	9	12
NJ-408	PRINCETON	Morven	/	10	17	2
NJ-408-A	PRINCETON	Morven,Icehouse	/	2	0	0
NJ-974	NEW BRUNSWICK	Raritan Railroad Station	/	0	9	7
NJ-960	TRENTON	Trenton House Hotel	/	0	19	24
NJ-958	TRENTON	True American Building	/	0	8	14
NJ-968	TRENTON	Wallach Building	/	0	12	12
NM-103	TESUQUE	Tesuque Central Portion,Pueblo of	/	9	5	2
NY-6297	BUFFALO	Cyclorama Building	/	0	44	8
NY-6046	ROCHESTER	Federal Building	/	0	9	13
NY-6302	NEW YORK CITY	Grand Central Post Office Annex	/	0	41	29

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HABSCODE	CITY-TOWN	RECORD NAME	/NDRW NPHO DATA			
=====						
NY-6303	WATERLOO	M'Clintock House	/	2	0	0
NY-5726	ITHACA	Sage Chapel,Cornell University	/	0	24	66
NY-6305	SENECA FALLS	Village Hall	/	11	0	0
NY-6304	SENECA FALLS	Wesleyan Chapel	/	10	0	0
OH-2339	COLUMBUS	1004-1006 Franklin	/	0	1	2
OH-2325	LANCASTER	135 West Wheeling Street	/	0	7	3
OH-2338	COLUMBUS	1635-1637 Oak Street	/	0	2	2
OH-2341	COLUMBUS	374 Kendall Place	/	0	2	2
OH-2340	COLUMBUS	461 North Monroe Street	/	0	2	2
OH-2359	BELLAIRE	4715 Guernsey Street	/	0	1	2
OH-2336	CLEVELAND	Hotel St. Regis	/	0	8	3
OH-2322	BELLAIRE	Kelly,Willis,House	/	0	17	16
OH-2280	CLEVELAND	Terminal Tower Bldg., Cleveland Union	/	0	161	25
OK-51	STILLWATER	Berry,Thomas N.,Estate	/	7	0	4
PA-5479	MONOGAHELA	109 Second Street (Commercial Building)	/	0	2	5
PA-5444	KENNETT SQUARE	121-127 South Union Street (Rowhouses)	/	0	6	3
PA-5440	ALLENTOWN	414 North Law Street	/	0	0	2
PA-5439	ALLENTOWN	520 Brush Street	/	0	0	2
PA-5442	GETTYSBURG	Gettysburg College,Glatfelder Hall	/	0	10	14
PA-5371	LACKAWAXEN	Grey,Zane,House	/	9	18	29
PA-1430	PHILADELPHIA	Independence Hall Complex,Independence	/	0	130	0
PA-5382	MCALEVY'S FORT	McAlevy's Fort	/	1	0	0
PA-5382-A	MCALEVY'S FORT	McAlevy's Fort,General Store	/	2	0	0
PA-5382-C	MCALEVY'S FORT	McBurney's Bakeoven	/	1	0	0
PA-5382-B	MCALEVY'S FORT	McBurney's Manor House	/	5	0	0
RI-392	MIDDLETOWN	Lazy Lawn	/	11	0	0
SC-617-B	EAU CLAIRE	Eau Claire Survey Publishing Company	/	0	1	0
SC-617-A	EAU CLAIRE	Eau Claire Town Hall	/	0	6	1
SC-620	MULLINS	Warehouse,Old Brick	/	0	4	1
TX-3341	PEACH CREEK	Gay-MacGregor-Allen Cabin	/	10	0	0
TX-3342	MILLICAN	Harrington-Upham House	/	10	0	0
TX-3342-A	MILLICAN	Harrington-Upham House,Corn Crib	/	4	0	0
TX-3343	SAN ANTONIO	Herrera Portones (Gates)	/	1	0	0
UT-121	BRYCE CANYON	Bryce Canyon Lodge	/	0	37	0
UT-120	AMERICAN FORK	Chipman Warehouse	/	0	9	8
UT-124	FARMINGTON	Cotterell,Samuel & Eleanor,House	/	0	9	17
UT-122-A	CENTERVILLE	Pettit, Arthur H.,Outbuilding	/	0	1	0
UT-122	CENTERVILLE	Pettit,Arthur H.,House	/	0	8	5
VA-443	ARLINGTON	Arlington House	/	18	0	0
VA-1253-A	ARLINGTON	Fort Myer,Commissary Sergeant's Quarters	/	0	10	25
VA-1253-B	ARLINGTON	Fort Myer,First Sergeant's Quarters	/	0	6	4
VA-1253-C	ARLINGTON	Fort Myer,Non-Commissioned Officers Q	/	0	12	5
VA-1253-D	ARLINGTON	Fort Myer,Non-Commissioned Officers Q	/	0	9	6
VA-638	MT. VERNON VIC.	Pope-Leighey House	/	9	33	4
VA-1034	BROOKNEAL VIC.	Red Hill	/	0	0	66
VA-1034-B	BROOKNEAL VIC.	Red Hill,Dwelling	/	0	0	15
VA-1034-C	BROOKNEAL VIC.	Red Hill,Kitchen	/	0	0	4
VA-1034-A	BROOKNEAL VIC.	Red Hill,Law Office	/	0	0	5
VA-1034-E	BROOKNEAL VIC.	Red Hill,Privy	/	0	0	3
VA-1034-G	BROOKNEAL VIC.	Red Hill,Slave Cabin	/	0	0	4
VA-1034-D	BROOKNEAL VIC.	Red Hill,Smokehouse	/	0	0	3
VA-1034-F	BROOKNEAL VIC.	Red Hill,Stables and Carriage House	/	0	0	4
VA-193-N	CHARLOTTESVILLE	University of Virginia,Hotel A	/	10	0	0
VA-193-P	CHARLOTTESVILLE	University of Virginia,Pavilion I	/	12	0	0

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HABSCODE	CITY-TOWN	RECORD NAME	/NDRW NPHO DATA			
VA-193-G	CHARLOTTESVILLE	University of Virginia,Pavilion IX	/	6	0	12
VA-1254	RICHMOND	Virginia State Capitol	/	48	74	84
VA-1271	RICHMOND	Washington Monument,The	/	0	4	0
VI-49-C	WESTEND QUARTER	Estate Whim,Overhead Crank Steam Engine	/	2	7	0
WA-181	NACHES VIC.	Naches Ranger Station Complex	/	0	6	29
WA-181-A	NACHES VIC.	Naches Ranger Station,Building No. 1028	/	0	5	0
WA-181-B	NACHES VIC.	Naches Ranger Station,Building No. 1029	/	0	7	0
WA-181-C	NACHES VIC.	Naches Ranger Station,Building No. 1120	/	0	10	0
WA-181-D	NACHES VIC.	Naches Ranger Station,Building No. 1320	/	0	9	0
WA-181-E	NACHES VIC.	Naches Ranger Station,Building No. 1526	/	0	8	0
WA-181-F	NACHES VIC.	Naches Ranger Station,Building No. 1527	/	0	8	0
WA-187	RANDLE	Randle Ranger Residence,Building No. 113/	/	0	5	18
WA-186	PORT ANGELES VI	Singer's Lake Crescent Tavern	/	0	0	24
WA-186-H	PORT ANGELES VI	Singer's Lake Crescent Tavern,Cabin 34	/	0	1	0
WA-186-D	PORT ANGELES VI	Singer's Lake Crescent Tavern,Cabin 35	/	0	1	0
WA-186-C	PORT ANGELES VI	Singer's Lake Crescent Tavern,Cabin 36	/	0	1	0
WA-186-I	PORT ANGELES VI	Singer's Lake Crescent Tavern,Cabin 43	/	0	1	2
WA-186-J	PORT ANGELES VI	Singer's Lake Crescent Tavern,Cabins 22-/	/	0	8	12
WA-186-E	PORT ANGELES VI	Singer's Lake Crescent Tavern,Cabins 3-2/	/	0	9	14
WA-186-B	PORT ANGELES VI	Singer's Lake Crescent Tavern,Duplex 37//	/	0	1	0
WA-186-G	PORT ANGELES VI	Singer's Lake Crescent Tavern,Employees//	/	0	1	2
WA-186-A	PORT ANGELES VI	Singer's Lake Crescent Tavern,Lodge	/	0	8	9
WA-186-F	PORT ANGELES VI	Singer's Lake Crescent Tavern,Outdoor	/	0	1	2
WA-186-K	PORT ANGELES VI	Singer's Lake Crescent Tavern,Sleeping	/	0	1	2
WA-186-M	PORT ANGELES VI	Singer's Lake Crescent Tavern,Storage	/	0	1	2
WA-186-L	PORT ANGELES VI	Singer's Lake Crescent Tavern,Storage	/	0	1	2
WA-190	GREENWATER VIC.	Suntop Lookout	/	0	35	16
WA-180	NACHES VIC.	Tieton Ranger Station	/	0	5	26
WA-180-A	NACHES VIC.	Tieton Ranger Station,Building No. 1051	/	0	16	0
WA-180-B	NACHES VIC.	Tieton Ranger Station,Building No. 1052	/	0	11	0
WA-180-C	NACHES VIC.	Tieton Ranger Station,Building No. 1053	/	0	14	0
WA-180-D	NACHES VIC.	Tieton Ranger Station,Building No. 1553	/	0	6	0
WA-179	GLENWOOD VIC.	Whitcomb Cabin	/	0	18	14
WI-320	MILWAUKEE	Evangelische Lutheran St. Johanneskirche/	/	4	0	0
WI-310	GREEN BAY	Fairmont Dairy Complex	/	0	14	20
WI-315	RACINE	Louis Morgensen-William Rowan Building	/	0	6	15
WI-306	MENASHA	Menasha City Hall & Fire Station	/	0	6	13
WI-321	MILWAUKEE	St. John's Cathedral	/	4	0	0
WV-242	ALDERSON	102 North Monroe Street (Commercial B	/	0	4	5
WV-239	ALDERSON	102 Railroad Avenue	/	0	2	5
WV-240	ALDERSON	104 Railroad Avenue	/	0	3	5
WV-241	ALDERSON	107 Railroad Avenue (Commercial Building/	/	0	4	5

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## Part B: HAER Transmittals

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HAERCODE	CITY-TOWN	RECORD NAME	/NDRW NPHO DATA		
=====					
AK-21-D	CORDOVA VIC.	Boswell Bay White Alice Site,Dormitory /	0	5	0
AK-21-C	CORDOVA VIC.	Boswell Bay White Alice Site,Fire Contro/	0	1	0
AK-21-B	CORDOVA VIC.	Boswell Bay White Alice Site,Radio Relay/	0	15	0
AK-21-A	CORDOVA VIC.	Boswell Bay White Alice Site,Tropospheri/	0	3	0
AK-21-E	CORDOVA VIC.	Boswell Bay White Alice Site,Warehouse /	0	2	0
AR-4-G	HOT SPRINGS	Hot Springs Nat. Pk. Bathhouse Row: /	0	10	4
AR-4-D	HOT SPRINGS	Hot Springs Nat. Pk. Bathhouse Row: /	0	15	4
AR-4-B	HOT SPRINGS	Hot Springs Nat. Pk. Bathhouse Row: /	0	2	3
AR-4-H	HOT SPRINGS	Hot Springs Nat. Pk. Bathhouse Row: /	0	10	4
AR-4-C	HOT SPRINGS	Hot Springs Nat. Pk. Bathhouse Row: /	0	11	4
AR-4	HOT SPRINGS	Hot Springs Nat. Pk. Bathhouse Row: /	0	0	46
AR-4-F	HOT SPRINGS	Hot Springs Nat. Pk. Bathhouse Row: /	0	7	4
AR-4-E	HOT SPRINGS	Hot Springs Nat. Pk. Bathhouse Row: /	0	7	4
AR-4-A	HOT SPRINGS	Hot Springs Nat. Pk. Bathhouse Row: /	0	5	4
AR-4-I	HOT SPRINGS	Hot Springs Nat. Pk. Bathhouse Row: /	0	5	0
AZ-18	TEMPE	Arizona Eastern Railroad Bridge /	0	8	21
AZ-16	TEMPE	Tempe Canal /	0	23	73
AZ-10	CAVE CREEK VIC.	Verde River Sheep Bridge /	4	42	41
CA-70	CHUALAR VIC.	Salinas River Bridge /	0	14	6
CA-79-A	SAN DIEGO	Savage Tire Factory,2201-2299 Warehouse /	0	7	0
CA-79-F	SAN DIEGO	Savage Tire Factory,2341-2399 Warehouse /	0	3	0
CA-79-D	SAN DIEGO	Savage Tire Factory,Factory Building /	0	18	0
CA-79-B	SAN DIEGO	Savage Tire Factory,Office Building /	0	13	0
CA-79-E	SAN DIEGO	Savage Tire Factory,Original Brick Ware /	0	8	0
CA-79-C	SAN DIEGO	Savage Tire Factory,Rathskeller /	0	2	0
CA-75	CRESCENT CITY V	Smith River Bridge /	0	27	7
CA-29	SALYER VIC.	South Fork Trinity River Bridge /	0	61	5
CA-53	UKIAH VIC.	Van Arsdale Dam /	0	12	5
CA-20	YOSEMITE NAT'L	Yosemite Hydroelectric Power Plant /	1	47	36
CO-47	BRIGHTON VIC.	Brantner Ditch /	0	7	13
CO-45	BRIGHTON VIC.	Burlington Ditch /	0	9	17
CO-58	DENVER	Cherry Creek Railroad Bridge /	0	8	5
CO-53	TRINIDAD	Commercial Street Bridge /	0	12	2
CO-57	DENVER	Delgany Street Railroad Bridge /	0	10	6
CO-62	DELTA	Delta Bridge /	0	18	3
CO-25	ROMLEY	Denver South Park & Pacific RR Bridge /	0	2	0
CO-24	ROMLEY	Denver South Park & Pacific RR Truss Br /	0	2	0
CO-64	BOULDER	Howard Ditch /	0	7	6
CO-54	TRINIDAD	Linden Avenue Bridge /	0	14	2
CO-26-B	IRON CITY	Murphy,Mary,Mining Complex,Boarding H /	0	3	0
CO-26-G	IRON CITY	Murphy,Mary,Mining Complex,Iron City Cem/	0	4	0
CO-26-E	IRON CITY	Murphy,Mary,Mining Complex,Mill and Tail/	0	2	0
CO-26-F	IRON CITY	Murphy,Mary,Mining Complex,Mine Ore /	0	2	0
CO-26-C	IRON CITY	Murphy,Mary,Mining Complex,Mine Shaft /	0	4	0
CO-26-D	IRON CITY	Murphy,Mary,Mining Complex,Sluice /	0	2	0
CO-26-A	IRON CITY	Murphy,Mary,Mining Complex,Superintenden/	0	2	0
CO-55	BOONE VIC.	Nepesta Bridge /	0	10	2
CO-59	DENVER	Nineteenth Street Bridge /	1	0	0
CO-46	BRIGHTON VIC.	O'Brian Canal /	0	7	14
CO-23	ST. ELMO	Paramount Mine /	0	8	0
CT-33	KENT	Bog Hollow Bridge /	0	15	4
CT-34	WINDSOR LOCKS	Bridge Street Bridge /	0	14	5
CT-36	DERBY	Ousatonic Water Power Company: Dam & C /	0	31	16
DC-7	WASHINGTON	Arlington Memorial Bridge /	0	19	8



HAERCODE	CITY-TOWN	RECORD NAME	/NDRW NPHO DATA		
DC-7-B	WASHINGTON	Arlington Memorial Bridge: Boundary Chan/	0	4	5
DC-7-A	WASHINGTON	Arlington Memorial Bridge: Watergate /	0	3	5
NE-1	MISSOURI VALLEY	Lincoln, Abraham, Memorial Bridge /	0	0	0
IA-21	BURLINGTON VIC.	MacArthur Bridge /	0	73	48
IA-23	DUBUQUE	Miss. River 9-Ft. Channel Proj., Lock & D/	0	50	16
IA-24	BELLEVUE	Miss. River 9-Ft. Channel Proj., Lock & D/	0	23	14
IA-25	LE CLAIRE VIC.	Miss. River 9-Ft. Channel Proj., Lock & D/	0	54	17
IA-26	MUSCATINE VIC.	Miss. River 9-Ft. Channel Proj., Lock & D/	0	21	13
IA-27	KEOKUK	Miss. River 9-Ft. Channel Proj., Lock & D/	0	79	14
IA-33	DUBUQUE	Miss. River 9-Ft. Channel Proj., Lock & D/	0	0	103
NE-2	RIVERTON VIC.	Nebraska City Bridge /	0	0	0
IA-29	MARSHALLTOWN VI	Rock Valley Bridge /	0	12	26
ID-15	TWIN FALLS VIC.	Milner Dam & Main Canal: Twin Falls Can /	0	198	66
ID-11	LEADORE VIC.	Warren King Charcoal Kilns /	0	11	20
IL-34	KEITHSBURG	Keithsburg Bridge /	0	10	11
IA-21	BIGGSVILLE VIC.	MacArthur Bridge /	0	0	0
IL-26	FULTON VIC.	Miss. River 9-Ft. Channel Proj., Lock & D/	0	14	15
IL-27	ROCK ISLAND	Miss. River 9-Ft. Channel Proj., Lock & D/	0	52	16
IL-28	NEW BOSTON	Miss. River 9-Ft. Channel Proj., Lock & D/	0	78	14
IL-29	GLADSTONE	Miss. River 9-Ft. Channel Proj., Lock & D/	0	18	15
IL-30	QUINCY	Miss. River 9-Ft. Channel Proj., Lock & D/	0	27	15
KS-7	COFFEYVILLE	Parker Bridge /	0	22	10
KY-19-A	LORETTO VIC.	Burk's Makers Mark Distillery, Bonded W /	0	2	0
MA-78	MILLVILLE	Blackstone Canal Lock No. 24 /	0	6	0
MA-76	BOSTON	Boston Public Garden, Suspension Bridge /	0	6	0
MA-66	BUZZARDS BAY	Cape Cod Canal Lift Bridge /	0	11	0
MA-90	BOSTON	Charlestown Navy Yard /	0	271	0
MA-74	BERNARDSTON	Connecticut River RR: Fall River Viaduct/	0	1	0
MA-67	ORLEANS	French Cable Station /	0	5	0
MA-62	CHATHAM VIC.	Monomoy Point Light Station /	0	18	26
MA-72	LAWRENCE	Mosley Truss Bridge /	0	6	0
MA-77	WAREHAM	Tremont Nail Works /	0	9	0
MA-71	BEVERLY	United Shoe Machine Company /	0	6	0
MD-47-A	ABERDEEN	Aberdeen Prov. Ground: White Phosphorous/	0	18	27
MD-63	BALTIMORE	American Can Company /	0	59	31
MD-76	SNOW HILL VIC.	Nassawango Iron Furnace /	12	4	0
MD-54 •	RIVIERA BEACH V	Seven Foot Knoll Lighthouse /	0	37	8
MD-77	ST. MICHAELS	Two-Sail Bateau E.C. Collier /	8	53	17
MI-26	NORTON SHORES	Antisdale, William S., Memorial State Rew /	0	15	5
MI-35	MONROE	Monroe Street Bridge /	0	26	17
MN-37	ST. PAUL	Northwest Airways Hangar & Admin /	0	31	20
MO-49	DESLOGE VIC.	Cedar Falls Road Bridge /	0	12	4
MO-57	ST. CHARLES	Defiance Road Bridge /	0	12	9
MO-51	KINGSTON VIC.	Gould Farm Bridge /	0	13	8
MO-34	CANTON	Miss. River 9-Ft. Channel Proj., Lock & D/	0	33	18
MO-35	SAVERTON	Miss. River 9-Ft. Channel Proj., Lock & D/	0	21	15
MO-59	CONNELLSVILLE VI	Nineveh Bridge /	0	12	5
MO-58	KANSAS CITY	Rockhill Road Bridge /	0	13	11
MT-60	BILLINGS VIC.	Duck Creek Bridge /	0	14	10
MT-49	ALBERTON VIC.	Fish Creek Bridge /	0	10	10
MT-52	HELENA	Great Northern Depot /	0	7	11
MT-62	GREYCLIFF VIC.	Greycliff Bridge /	0	10	10
MT-54	TOSTON VIC.	Lombard Coke Ovens /	0	8	21
MT-54-B	TOSTON VIC.	Lombard Coke Ovens, Caretaker's Cabin /	0	2	0



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HAERCODE	CITY-TOWN	RECORD NAME	/NDRW NPHO DATA			
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MT-54-C	LOMBARD VIC.	Lombard Coke Ovens,Stone Foundation	/	0	1	0
MT-54-A	TOSTON VIC.	Lombard Coke Ovens,Tipple	/	0	2	0
MT-43	MILLTOWN	Milltown Dam	/	0	19	31
MT-43-D	MILLTOWN	Milltown Dam,Center House	/	0	1	0
MT-43-E	MILLTOWN	Milltown Dam,East Side House	/	0	1	0
MT-43-A	MILLTOWN	Milltown Dam,Powerhouse	/	0	7	0
MT-43-B	MILLTOWN	Milltown Dam,Spillway	/	0	5	0
MT-43-C	MILLTOWN	Milltown Dam,West Side House	/	0	1	0
MT-61	LIVINGSTON VIC.	Pine Creek Bridge	/	0	14	10
MT-59	GLASGOW VIC.	Vandalia Bridge	/	0	12	9
ND-2	BISMARCK	Bismarck Bridge	/	0	8	0
NE-1	BLAIR VIC.	Lincoln,Abraham,Memorial Bridge	/	0	37	52
NE-2	NEBRASKA CITY V	Nebraska City Bridge	/	3	59	509
NH-13	WALPOLE	Walpole-Westminster Bridge	/	0	27	27
NV-8	VERDI	East Verdi Bridge	/	0	20	11
NV-9	VERDI	West Verdi Bridge	/	0	24	2
NY-180	LYNDONVILLE VIC	Blood Road Bridge	/	0	3	5
NY-167	JAMESTOWN	Boatlanding Bridge	/	0	2	6
NY-202	BROOKLYN	Brooklyn Army Supply Base	/	0	1	20
NY-202-A	BROOKLYN	Brooklyn Army Supply Base: Pier 1	/	0	4	8
NY-201	BROOKLYN	Bush Terminal Company	/	0	3	22
NY-201-B	BROOKLYN	Bush Terminal Company: Pier 5	/	0	12	10
NY-201-A	BROOKLYN	Bush Terminal Company: Pier 7	/	0	9	13
NY-186	SALEM	Cemetery Road Bridge	/	3	7	4
NY-173	WATERTOWN	Court Street Bridge	/	0	10	11
NY-187	LYONS	Creager's Bridge	/	0	2	4
NY-205	MINISINK FORD	Delaware & Hudson Canal:Delaware Aqueduc/	/	0	10	0
NY-170	JAY	Jay Covered Bridge	/	2	7	5
NY-163	HEMPSTEAD	Jones Beach Causeway Bridge No. 1	/	0	0	3
NY-177	HEMPSTEAD	Jones Beach St. Prkwy. Channel Bascue B /	/	0	3	3
NY-178	HEMPSTEAD	Jones Beach St. Prkwy. Channel Bascule B/	/	0	4	4
NY-174	OGDENSBURG	Lafayette-Spring Street Bridge	/	0	4	5
NY-181	WATERLOO	Locust Street Bridge	/	0	2	4
NY-175	ROCHESTER	Main Street Bridge	/	0	18	4
NY-166	OUAQUAGA	Ouaquaga Bridge	/	4	19	6
NY-204	MOUNT PLEASANT	Philipse Manor Station: Pedestrian Br	/	0	12	2
NY-176	AMSTERDAM	Prospect Street Bridge	/	0	2	3
NY-182	WESTHAMPTON BEA	Quantuck Canal Bridge	/	0	3	4
NY-171	AU SABLE FORKS	Rolling Hill Mill Road Bridge	/	0	5	4
NY-179	ROME	Rome Westernville Road Bridge	/	0	4	5
NY-185	HUDSON FALLS	Sandy Hill Bridge	/	0	7	10
NY-184	WHITEHALL	Saunders Street Bridge	/	0	5	3
NY-183	PHOENICIA VIC.	Snyder Hollow Bridge	/	0	4	5
NY-203	BROOKLYN	South Brooklyn Freight Terminal:29th St /	/	0	16	18
NY-138	NEW YORK CITY	Statue of Liberty	/	4	230	2
NY-168	BEACON	Tioronda Bridge	/	4	19	8
NY-172	CATSKILL	Uncle Sam Bridge	/	0	3	4
NY-169	KEESEVILLE	Upper Bridge	/	3	18	19
OH-58	VALLEY VIEW	Alexander's Grist Mill	/	13	25	13
OH-62	SAGAMORE HILLS	Jaite Company Railroad Bridge	/	5	0	0
OR-11-B	BONNEVILLE	Bonneville Project,Administration B	/	0	11	0
OR-11-A	BONNEVILLE	Bonneville Project,Auditorium	/	0	22	0
OR-11-F	BONNEVILLE	Bonneville Project,Bonneville Dam	/	0	129	0
OR-11-C	BONNEVILLE	Bonneville Project,Fish Hatchery	/	0	14	0

## APPENDIX I

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HAERCODE	CITY-TOWN	RECORD NAME	/NDRW NPHO DATA		
OR-11-D	BONNEVILLE	Bonneville Project,Navigation Lock No. 1/	0	32	0
OR-11-E	BONNEVILLE	Bonneville Project,Powerhouse No.1 /	0	146	0
OR-12-G	PORTLAND	Portland General Electric Co.,Equipment /	0	1	0
OR-12-L	PORTLAND	Portland General Electric Co.,H.P. Boil /	0	24	0
OR-12-J	PORTLAND	Portland General Electric Co.,L.P. Boil /	0	17	0
OR-12-K	PORTLAND	Portland General Electric Co.,Lincoln /	0	7	0
OR-12-F	PORTLAND	Portland General Electric Co.,Office Bui/	0	9	0
OR-12-D	PORTLAND	Portland General Electric Co.,Office/Equ/	0	2	0
OR-12-A	PORTLAND	Portland General Electric Co.,Pepco B /	0	13	0
OR-12-M	PORTLAND	Portland General Electric Co.,Powerhouse/	0	19	0
OR-12	PORTLAND	Portland General Electric Co.,Station /	0	57	24
OR-12-N	PORTLAND	Portland General Electric Co.,Stephens /	0	17	0
OR-12-B	PORTLAND	Portland General Electric Co.,Storage /	0	1	0
OR-12-C	PORTLAND	Portland General Electric Co.,Storage/Of/	0	1	0
OR-12-H	PORTLAND	Portland General Electric Co.,Turbine Bu/	0	21	0
OR-12-I	PORTLAND	Portland General Electric Co.,Water Int /	0	2	0
OR-12-E	PORTLAND	Portland General Electric Co.,Welding /	0	2	0
OR-12-P	PORTLAND	Portland General Electric Company,Boiler/	0	3	0
OR-12-R	PORTLAND	Portland General Electric Company,Equip /	0	1	0
OR-12-O	PORTLAND	Portland General Electric Company,Mach /	0	1	0
OR-12-Q	PORTLAND	Portland General Electric Company,Shop /	0	1	0
PA-1	LACKAWAXEN	Delaware & Hudson Canal,Delaware Aqueduc/	8	56	12
PA-122	WANAMAKERS	Ontelaunee Creek Bridge /	0	6	2
PA-173	SCRANTON	Sanderson Avenue Bridge /	0	20	12
PA-105	WILKES-BARRE	South Street Bridge /	0	42	8
PA-123	EMMAUS	Tank Farm Road Bridge /	0	7	1
RI-22	CUMBERLAND	Albion Trench Bridge /	0	6	0
RI-15	NORTH KINGSTOWN	Quonset Point Naval Air Station /	0	276	113
SC-21	CHAPPLES FERRY	Saluda 1 Bridge /	0	7	10
TX-12	D'HANIS	D'Hanis Brick Works /	0	36	0
TX-12-B	D'HANIS	D'Hanis Brick Works, Workers Housing /	0	1	0
TX-12-A	D'HANIS	D'Hanis Brick Works,Owner's House /	0	2	0
TX-13	WACO	Waco Suspension Bridge /	0	8	0
UT-46	EUREKA	Bullion Beck and Champion Mine,Headframe/	0	9	10
UT-58	OGDEN CANYON	Fairmont Bridge /	0	10	9
UT-56	GORDON CREEK	Sweet Mine /	0	7	7
DC-7	ARLINGTON	Arlington Memorial Bridge /	0	0	0
DC-7-A	ARLINGTON	Arlington Memorial Bridge: Watergate /	0	0	0
VI-5-A	WESTEND QUARTER	Estate Whim,Horizontal Steam Engine /	0	4	0
VI-5-C	WESTEND QUARTER	Estate Whim,Horse Mill /	0	1	0
VI-5	WESTEND QUARTER	Estate Whim,Overhead Crank Steam Engine /	2	7	0
VI-5-B	WESTEND QUARTER	Estate Whim,Rum Still /	0	1	0
VI-5-D	WESTEND QUARTER	Estate Whim,Wind Mill /	0	6	0
WA-26-A	HOODSPORT VIC.	Cushman No. 1 Hydroelectric Power Plant /	0	29	14
WA-25	PALOUSE VIC.	McClure Bridge /	0	13	10
WI-42	BUENA VISTA	Bear Creek Bridge /	0	4	2
WI-41	ADDISON	Beaver Dam Road Bridge /	0	2	2
WI-44	FRANKLIN	Branch River Bridge /	0	2	2
WI-36	CHIPPEWA FALLS	Bridge of Pines /	0	4	6
WI-52	RIVER FALLS	Cedar Street Bridge /	0	12	3
WI-24	TIFFANY	Chicago & North Western Railway Bridge /	0	8	5
WI-39	MERRIMACK VIC.	Chicago & North Western Railway Bridge /	0	4	3
WI-45	BENTON	Coltman Bridge /	0	2	2
WI-51	ROCKBRIDGE	Cunningham Lane Bridge /	0	7	9

APPENDIX I

HAERCODE	CITY-TOWN	RECORD NAME	/NDRW NPHO DATA			
=====						
WI-30	PLOVER	Eau Claire Dells Bridge	/	0	4	6
WI-46	SCHOFIELD	Eau Claire River Bridge	/	0	3	2
WI-58	WAUSAUKEE VIC.	Ferndale Road Bridge	/	0	10	8
WI-23	FOND DU LAC	Fountain Island Bridge	/	0	5	4
WI-27	MILWAUKEE	Grand Avenue Viaduct	/	0	6	12
WI-26	MILWAUKEE	Highland Boulevard Viaduct	/	0	4	7
WI-32	RACINE	Horlick Drive Bridge	/	0	3	2
WI-55	KENNAN	Kennan-Jump River Bridge	/	0	14	0
WI-20	MILWAUKEE	Lake Park Brick Arch Bridge	/	2	5	9
WI-19	MILWAUKEE	Lake Park Lions Bridge	/	4	6	8
WI-38	MARATHON	Marathon City Bridge	/	0	23	5
WI-22	LA CROSSE VIC.	McGilvray Road Bridge No. 1	/	3	4	21
WI-22-A	LA CROSSE VIC.	McGilvray Road Bridge No. 2	/	0	4	0
WI-22-B	LA CROSSE VIC.	McGilvray Road Bridge No. 3	/	0	7	0
WI-22-C	LA CROSSE VIC.	McGilvray Road Bridge No. 4	/	0	7	0
WI-22-D	LA CROSSE VIC.	McGilvray Road Bridge No. 6	/	0	4	0
WI-35	SCANDINAVIA	Mill Bridge	/	0	3	3
WI-33	WATERTOWN	Milwaukee Street Bridge	/	0	3	7
WI-29	NEW LONDON VIC.	New London Bridge	/	0	4	3
WI-25	MILWAUKEE	North Avenue Viaduct	/	0	4	7
WI-34	ST. CLOUD	Palm Tree Road Bridge	/	0	4	4
WI-17	ACKLEY	Range Line Road Bridge	/	2	5	4
WI-40	PORT WASHINGTON	Sauk Creek Bridge	/	0	3	2
WI-57	ARMENIA & NECED	Sprague Bridge	/	0	7	24
WI-37	CHIPPEWA FALLS	Spring Street Bridge	/	0	6	14
WI-21	WATERTOWN	Tivoli Island Bridge	/	2	6	14
WI-4	BELOIT VIC.	Turtleville Iron Bridge	/	0	8	4
WI-31	SPRING VALLEY	Wagon Trail Road Bridge	/	0	4	4
WI-18	RACINE	West Sixth Street Bridge	/	3	8	9
WI-16	BURLINGTON	White River Bridge	/	3	7	7
WI-43	WRIGHTSTOWN	Wrightstown Bridge	/	0	3	2
WI-28	ARTHUR	Yellow River Bridge	/	0	4	9
WV-36	HARPERS FERRY	Baltimore & Ohio Railroad: Bollman B	/	6	0	0
WV-43	HINTON	Chesapeake & Ohio Railraod: Hinton Yards/	/	1	0	0
WV-42-C	THURMOND	Chesapeake & Ohio Railroad: Coaling Sta /	/	2	3	0
WV-42-B	THURMOND	Chesapeake & Ohio Railroad: Engine House/	/	2	10	0
WV-43-A	HINTON	Chesapeake & Ohio Railroad: Hinton Depot/	/	2	0	0
WV-42-A	THURMOND	Chesapeake & Ohio Railroad: Thurmond Dep/	/	1	6	0
WV-42	THURMOND	Chesapeake & Ohio Railroad: Thurmond Y /	/	4	30	77
WV-41	FAYETTEVILLE VI	New River Gorge Bridge	/	0	12	1
WV-40	WILLIAMSTOWN	Williamstown-Marietta Bridge	/	0	73	11
WY-23	OSAGE VIC.	Clay Spur Bentonite Plant & Camp	/	0	3	17
WY-23-A	OSAGE VIC.	Clay Spur Bentonite Plant & Camp, Stable/	/	0	2	1
WY-23-D	OSAGE VIC.	Clay Spur Bentonite Plant & Camp,Bath H /	/	0	2	2
WY-23-E	OSAGE VIC.	Clay Spur Bentonite Plant & Camp,Bunhous/	/	0	2	2
WY-23-H	OSAGE VIC.	Clay Spur Bentonite Plant & Camp,Butler /	/	0	1	1
WY-23-K	OSAGE VIC.	Clay Spur Bentonite Plant & Camp,Cooler /	/	0	2	1
WY-23-I	OSAGE VIC.	Clay Spur Bentonite Plant & Camp,Dwell /	/	0	4	2
WY-23-R	OSAGE VIC.	Clay Spur Bentonite Plant & Camp,Dwell /	/	0	2	2
WY-23-B	OSAGE VIC.	Clay Spur Bentonite Plant & Camp,Garage /	/	0	2	1
WY-23-L	OSAGE VIC.	Clay Spur Bentonite Plant & Camp,Garage//	/	0	2	1
WY-23-F	OSAGE VIC.	Clay Spur Bentonite Plant & Camp,Lab /	/	0	2	2
WY-23-J	OSAGE VIC.	Clay Spur Bentonite Plant & Camp,Office /	/	0	3	2
WY-23-N	OSAGE VIC.	Clay Spur Bentonite Plant & Camp,Oil H /	/	0	2	1

## APPENDIX I

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HAERCODE	CITY-TOWN	RECORD NAME	/NDRW NPHO DATA		
=====					
WY-23-S	OSAGE VIC.	Clay Spur Bentonite Plant & Camp,Outbu /	0	1	1
WY-23-O	OSAGE VIC.	Clay Spur Bentonite Plant & Camp,Refinin/	0	22	3
WY-23-P	OSAGE VIC.	Clay Spur Bentonite Plant & Camp,Scale /	0	4	1
WY-23-C	OSAGE VIC.	Clay Spur Bentonite Plant & Camp,Water /	0	2	2
WY-23-Q	OSAGE VIC.	Clay Spur Bentonite Plnt. & Camp,Dwell /	0	2	2
WY-23-M	OSAGE VIC.	Clay Spur Bentonite Plnt.&Camp,Power Pln/	0	4	2
WY-23-G	OSAGE VIC.	Clay Spur Bentonite,Garage/Storage /	0	1	1

## APPENDIX II

### HABS/HAER SUMMER ALUMNI OF THE 1980s

#### UNIVERSITY OF ARIZONA

Ann Barr  
Scott Dolph  
David G. Frisch  
Edward Garcia  
Robert Giebner  
Sasha Glickman  
Douglas Kupel  
Kim Kuykendall  
Ty T. Tagami  
Chang Yi

#### AMERICAN UNIVERSITY

Elizabeth R. Barthold  
Robert Lange

#### UNIVERSITY OF ARKANSAS

Michael S. Cook  
Elam Denham  
Daniel Ellingson  
Stephen Freyaldenhoven  
David H. Haney  
Theodore M. Jones  
Peter Lester  
Richard F. Bailey

#### AUBURN UNIVERSITY

T. Paul Bates  
Jack Bergstresser  
David R. Brown  
Sam R. Coker  
Judith E. Collins  
Benjamin P. Cummings  
Bill Hand  
Kimberly E. Harden  
Lee Ann Jackson  
Hoyte E. Johnson, Jr.  
Gillian Lewis  
Elaine G. Pierce  
Mark E. Pierson  
Deborah Taylor  
Douglas Taylor  
David Wallace

#### BRIGHAM YOUNG UNIVERSITY

Beth Redmond  
Wendy Watson

#### BALL STATE UNIVERSITY

Michael Brannan  
Timothy A. Buehner  
Alejandro Busto  
Thomas Hellmanon  
Roland Smith  
Troy D. Thompson  
Alan Tucker  
Todd Wambach

#### BOSTON ARCHITECTURAL CENTER

Patricia D. Reese  
Penny Watson

#### BOSTON UNIVERSITY

Blanche Higgins  
Susan Shearer  
Brian Towell

#### BRIDGEWATER STATE COLLEGE

John P. Johnson

#### BROWN UNIVERSITY

Demian J. Hess  
Sandy Norman

#### CALIFORNIA POLYTECHNIC UNIVERSITY

Gilda Hoeh  
Jonathan C. McMurtry  
Richard Nomig  
William Peoples

#### CALIFORNIA STATE UNIVERSITY

Ann Huston

#### UNIVERSITY OF CALIFORNIA, BERKELEY

Juan Blanco  
Michael Drasnin  
Kathy Sue Edwards  
Joanne H. Kelley  
Gary J. G. Koll  
Jeanne Lawrence  
Glenn Ovitt  
Joseph Rodriguez  
Margot Stephenson

Alumni of the 1980s, cont'd.

**UNIVERSITY OF CALIFORNIA, DAVIS**

Linda Dishman  
Tanya Wattenburg

**UNIVERSITY OF CALIFORNIA, LOS ANGELES**

Joseph D. Balachowski  
Dawn Cindric  
Daniel A. Hernandez  
Kenneth Martin  
Kenneth D. Rose

**UNIVERSITY OF CALIFORNIA, SANTA BARBARA**

Michael Lappen

**UNIVERSITY OF SOUTHERN CALIFORNIA**

Marla Felber  
Harold E. Phelps, III

**CARLETON COLLEGE**

Robert P. F. Buerglener  
David M. Kelliher

**CARNEGIE-MELLON UNIVERSITY**

Perry J. Bush  
Christopher H. Marston  
Robbyn L. Jackson

**CASE WESTERN UNIVERSITY**

Deborah Wolfe

**THE CATHOLIC UNIVERSITY OF AMERICA**

Ronald Bailey  
Daniel Clement  
Mary Ellen Didion  
Carl Krienen  
Richard S. Naab  
Mark S. Rowan

**CEDARVILLE COLLEGE**

William G. Taft

**UNIVERSITY OF CHICAGO**

Sara Daines

**UNIVERSITY OF CINCINNATI**

Richard Solomon

**CLEMSON UNIVERSITY**

J. Scott MacRae  
Donald Searle

**CLEVELAND INSTITUTE OF ART**

Richard R. Sarian

**COLLEGE OF THE REDWOODS**

David R. Harland

**COLONIAL WILLIAMSBURG FOUNDATION**

Edwin A. Chappell  
Roy Graham  
William Graham  
Camille Wells

**UNIVERSITY OF COLORADO**

Dave Anderson  
Brian D. Bartholomew  
Steve C. Eccher  
Ellen K. Gage  
Madison Graham  
Jeffrey Hickey  
Hugh D. Hughes  
Lawrence Hunter  
Steven A. Novy  
Julie Perry  
Russ Sackett

**COLUMBIA UNIVERSITY**

Caroline Alderson  
Karen L. Brinkman  
Richard Hellinger  
Chelle M. Jenkins  
Donald Kraft  
Martha Moffat  
Alfonso Narvaez  
Frederick Quivik  
Martha Raymond  
Scott Weston  
Nancy Wilks

**COOPER UNION**

Drew Delle Donne  
Tina Fong



## APPENDIX II

Alumni of the 1980s, cont'd.

### CORNELL UNIVERSITY

Richard A. Bernstein  
David Brodherson  
Eric Gastier  
Natalie Gillespie  
James Glass  
Elizabeth Miller  
Diane E. Prideaux-Brune  
Laura Rupp  
Corinne L. Smith  
Ellen Talbot  
Pamela Thurber

### CREIGHTON UNIVERSITY

Edwin A. Cordes

### CUYAHOGA VALLEY NAT'L RECREATION AREA

Norma J. Stefanik

### UNIVERSITY OF DELAWARE

David Ames  
Betsy Bahr  
Mary Buckley  
Eric L. Clements  
James P. Harshbarger  
Melissa McDonald  
Margaret M. Mulrooney  
Cheryl Powell  
Matthew Roth  
Kimberley R. Sebold  
Nancy Spiegel

### UNIVERSITY OF DENVER

Leslie Ullman

### UNIVERSITY OF DETROIT

Christopher Gribbs

### DREXEL UNIVERSITY

Carla A. Cielo  
Elizabeth Nolin  
George Steinrock

### DUKE UNIVERSITY

Katherine Penovich

### DUQUESNE UNIVERSITY

Gary M. Link

### EAST MICHIGAN UNIVERSITY

Alice Cerniglia

### UNIVERSITY OF FLORIDA

Gerald Brewington  
Richard Cronenberger  
Daniel B. Delahaye  
James N. Ferguson  
Victoria A. Fleming  
Jacqueline H. George  
Clifford Goodhart  
Bethanie Grashof  
David Kaminsky  
Pamela C. McMullen  
Robert N. Ray  
Gary Smith  
Leslie Tergas  
Todd B. Tragash

### GEORGIA INSTITUTE OF TECHNOLOGY

Jay Johnson  
Jose M. Martinez-Canino

### GEORGIA STATE UNIVERSITY

John McWilliams

### UNIVERSITY OF GEORGIA

Tenna Kenimer  
Dennis O'Kain  
Marcie Robertson  
Alan J. Rutherford  
Martin Stupich  
Mary J. Turner  
Elliott K. Wright

### GEORGE WASHINGTON UNIVERSITY

Frances P. Alexander  
Gary Arabak  
Elizabeth Baylies  
Mary C. Brown  
Holly Chamberlain  
Anne W. Goda  
Katherine Grandine  
Monica Hawley

Alumni of the 1980s, cont'd.

**GEORGE WASHINGTON UNIVERSITY, cont'd.**

Barbara Hightower  
Linda Hyman  
Drucilla Null

**GOUCHER COLLEGE**

Patricia Rowse

**UNIVERSITY OF DELAWARE, HAGLEY FOUNDATION**

Dianne Kromm

**HARVARD UNIVERSITY**

Gary Kleinschmidt  
Anouk Markovits

**UNIVERSITY OF HOUSTON**

Pedro Ayala, Jr.  
Forrest J. Benson  
Susan E. Keil  
Elizabeth F. Knowlan

**HOWARD UNIVERSITY**

Reginald Berry  
David Marsh  
Julie Perkins

**ILLINOIS INSTITUTE OF TECHNOLOGY**

Janet M. Chen  
Leonard Kliwinski  
Elizabeth Kunin  
Patricia Sticha

**UNIVERSITY OF ILLINOIS**

David Ashby  
Pamela J. Burdick  
C. Jean Case  
Deborah J. Cooper  
Leslie Gilmore  
Alan J. Halvorsen  
Richard Hayes  
Laurie Herstedt  
Angela Huseman  
Mark Igelski  
Brian McCormack  
Lourdes M. Mesa  
Robert Nevitt  
Rosemary O'Brien

Philip N. Peterson  
Kathryn E. Powell  
David Sclesker  
Jonathan C. Spodek  
Ellen F. Stoner  
Anne Sullivan  
Benita C. Welch  
Gilbert E. Witte

**IOWA STATE UNIVERSITY**

Lori Allen  
Scott Duenow  
Harlan Groe  
Anthon Hron  
Lori McGuire  
John Mecum  
Wesley Shank

**KANSAS STATE UNIVERSITY**

Mabel A. Baiges  
Gary Kepka

**UNIVERSITY OF KANSAS**

Carolyn Givens  
Gregory McCall  
Dennis E. McGrath  
Christian Overbey  
Douglas Pancoast  
Gregory A. Rothers

**LAWRENCE INSTITUTE OF TECHNOLOGY**

Ann Parker  
Kenneth Grabowski  
Todd Grute

**LAWRENCE TECHNOLOGICAL UNIVERSITY**

Rachel Barber  
Richard J. P. Renaud  
Robert Score

**LEWIS UNIVERSITY**

Anne L. Frischkorn

**LOUISIANA STATE UNIVERSITY**

Denise A. Bradley  
Louise Taft Cawood

## APPENDIX II

Alumni of the 1980s, cont'd.

### UNIVERSITY OF SOUTHWESTERN LOUISIANA

Jeannette S. Barras  
Dan P. Branch  
Craig N. Strong

### LOYOLA UNIVERSITY

Joseph DeRose  
Ernest P. Emrich  
Marcia Miller  
Donna M. Neary  
Frederick W. Schmidt

### LUTHER COLLEGE

Kathryn Steen

### MARY WASHINGTON COLLEGE

Andrew Q. Cole  
Mary Beth Gatza  
Laura E. Haring  
Jeannine Jacaruso  
Mary K. Shipe

### UNIVERSITY OF MARYLAND

John Bowie  
Coy E. Burney  
Catherine Crawford  
Carl DeGroote  
Julianne Jorgenson  
Joseph P. Meko  
Michael Monaldo  
William Neudorfer  
Robert E. Rice, Jr.  
Miguel Sabat  
Charissa Y. Wang  
Steven Wiesenthal  
Isabel C. Yang

### MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Lisa Mausolf

### UNIVERSITY OF MIAMI, OHIO

Jeffrey Bostetter  
Edward G. Twohey  
Elizabeth White  
Raymond M. Wienczek, Jr.

### UNIVERSITY OF MICHIGAN

Irene Henry

William Henry  
Mark Schara

### MIDDLE TENNESSEE STATE UNIVERSITY

Richard H. Quin  
Martha Hagedorn

### MIDDLEBURY COLLEGE

David Buchanan

### MIDLAND COLLEGE

John G. Eberly

### UNIVERSITY OF MINNESOTA

Dale Gerber

### MISSISSIPPI STATE UNIVERSITY

Bryan S. Falvey  
Matthew Y. Lee  
Shelly Milling

### UNIVERSITY OF MISSOURI

Judith Hunt  
Laura L. Sparks

### MORAVIAN POTTERY AND TILE WORKS

David Driscoll

### MONTANA STATE UNIVERSITY

J. Scott Anderson

### UNIVERSITY OF NEBRASKA

David Anthonie  
LeAnne Baird  
Jana Lee Gross  
David Larson

### UNIVERSITY OF NEW MEXICO

Lynne E. Arany  
Joseph J. Billelo  
Jim G. Duran  
Robert Oberdorfer  
Morgan A. Reider  
Catherine A. Silva

Alumni of the 1980s, cont'd.

**CITY COLLEGE OF NEW YORK**

Stuart V. Eicher  
Brian Lee  
Jorge Sein

**STATE UNIVERSITY OF NEW YORK, STONY BROOK**

William M. P. Dunne

**STATE UNIVERSITY OF NEW YORK, BINGHAMTON**

Joseph G. Socki

**UNIVERSITY OF NORTH CAROLINA**

Jack Barker

**NORTH DAKOTA STATE UNIVERSITY**

Douglas S. Anderson  
Terry Bailey  
Katrinka B. Bourne  
Jason B. Bryer  
Michael Boldenow  
Dione M. DeMartelaere  
Daniel J. Lind  
Brian Pederson

**NORTHERN ILLINOIS UNIVERSITY**

Dawn Duesning

**UNIVERSITY OF NOTRE DAME**

Michael Hamilton  
Richard Houghton  
Alfredo O. Marr  
Marsha A. Mullin  
Mary Thomas

**OCCIDENTAL COLLEGE**

Terri Hartman

**OHIO STATE UNIVERSITY**

Christopher P. Collins  
David C. Jamison  
Julie Mueller  
Carol Rotundo  
Jeffrey R. Winstel  
Debra Wolfe

**UNIVERSITY OF OKLAHOMA**

John Caligaria  
Patricia Fraser  
Diedre Hardy  
Jocelyn Lupkin  
Steven Orten

**UNIVERSITY OF OREGON**

Donald Dietsche  
Wade Freitag  
Kenneth J. Guzowski  
Donna Hartmans  
Robert Huxley  
Patrick Koby  
Kelly Sarver  
Lori J. Schiltgen  
John Shirley  
Daniel Sponn  
Andrew Tye  
Neal A. Vogel  
Andrew F. Wenchel  
Christian Yaden  
Eric Zehrung

**PENN STATE UNIVERSITY**

Robert W. Anthony, III  
Maureen Gerhold  
David A. Macharola  
Nancy Shedd  
Daniel Wininsky

**UNIVERSITY OF PENNSYLVANIA**

Charles L. Bergengren  
Scott C. Brown  
Robert Harvey  
Joseph Hoerner  
Marguerite S. Schaffer  
Charles Scott  
Lynne P. Snyder  
Kim Wallace

**UNIVERSITY OF PITTSBURGH**

Mark Brown  
Christine E. Davis  
Richard J. O'Connor  
Joel Sabadasz

## APPENDIX II

Alumni of the 1980s, cont'd.

### PRINCETON UNIVERSITY

Kristen Belz  
Carroll M. Salls

### UNIVERSITY OF PUERTO RICO

Humberto Artigas  
Orlando Badillo

### RENSSALEAR POLYTECHNIC INSTITUTE

Ranne Rhee

### RHODE ISLAND SCHOOL OF DESIGN

Todd A. Croteau  
Carla B. Hairston  
Stephen Jackman  
Mark C. Keiser  
Michael P. O'Beirne  
Dale O. Waldron

### ROGER WILLIAMS COLLEGE

Roland M. Morgan

### RUTGERS, THE STATE UNIVERSITY

Arlene R. Kriv  
Charles Scott

### SANGAMON COLLEGE

Karen M. Genskow  
Richard R. Henderson

### SMITH COLLEGE

Diane S. Wasch  
Artelia S. Wilson

### SOUTHERN ILLINOIS UNIVERSITY AT EDWARDSVILLE

Patricia Baer

### ST. ANSELIN COLLEGE

Anne Bisceglia

### SYRACUSE UNIVERSITY

Daniel Whalen

### TEMPLE UNIVERSITY

David Bridge  
Stephen Lauf

### UNIVERSITY OF TENNESSEE

Richard L. Koochigan  
Pamela Pendergrass  
Thomas Wade

### TEXAS A&M UNIVERSITY

Laura L. Barker  
Gordon P. Bingaman  
George S. Clanton  
Scott Clanton  
Christopher A. Cysewski  
Russell M. Echols  
Ron J. Havelka

### TEXAS TECH UNIVERSITY

Robert Arzola  
Steven C. Byington  
Patrick C. Cooper  
Craig A. Drone  
Jan Engel  
Scott D. Hall  
Christopher M. Huckabee  
John Jennings  
David A. Kalhoefer  
Dana Lee Lockett  
Charles S. McCray  
Reinhardt F. Muir  
Julie F. Pearson  
Michael Peters  
David N. Pierce  
Mark A. Radven  
Mellonee Rheams  
Robin E. Rosenfield  
Matthew B. Severance  
Leslie Shepherd  
Timothy Short-Russell  
Howard Thompson  
Molly Turpening  
Christine B. Viña  
John White

### UNIVERSITY OF TEXAS, ARLINGTON

Joseph Esposito  
Rudd Long  
Shannon L. Smith

Alumni of the 1980s, cont'd.

**UNIVERSITY OF TEXAS, AUSTIN**

Suzanne M. Ayers  
 Gary Cruz  
 Marian Dombroski  
 Nancy Footer  
 Gary Furman  
 Dennis Gerow  
 Rebecca M. Hart  
 Buie Harwood  
 Ronald L. Herren  
 Paul Homeyer  
 Gloria Howell  
 David R. Maxwell  
 Marion E. Prellop  
 Walter M. Rawley  
 Cheryl A. Spector  
 Amber A. Taylor

**TULANE UNIVERSITY**

Alexis Casariego  
 Douglas Lister  
 Pamela Mathis  
 Belinda Sosa  
 Charlotte Throop  
 Daniel R. Winkert

**TUSKEGEE UNIVERSITY**

Roderick De J. Fluker  
 Andrew H. Powell

**UNIVERSITY OF UTAH**

Donald Hartley  
 Thomas D. Lindblom

**UNIVERSITY OF VERMONT**

Lola Bennett  
 Dorothy Burlingame

**VIRGINIA POLYTECHNIC INSTITUTE  
 AND STATE INSTITUTE**

Mark T. Bittle  
 Karen Cormier  
 Rebecca Davidson  
 Kelly Donnelly  
 Toni Lee Ferrell  
 Mark S. Fitzgerald  
 Thomas P. Forde, Jr.  
 Douglas Harnesberger

David Insinga  
 Frederick J. Lindstrom  
 Nancy F. Manniko  
 Kenneth W. Martin  
 John A. Nicolay  
 Cynthia Scheetz  
 Harrison A. Sutphin  
 Michael T. Webb  
 William S. Withers  
 Jacqueline Yahn

**UNIVERSITY OF VIRGINIA**

Laura Alderman  
 Janet M. Bloomberg  
 Julia Blumberg  
 Frank Brown, III  
 Leslie S. Claytor  
 Beverly Dahl  
 Marsha O. Ellis  
 John P. Graham  
 Janet Gwaltney  
 Nancy Harrington  
 Mark Holdsworth  
 K. Edward Lay  
 Sara Amy Leach  
 Kimberly Prothro  
 Sharman Roberts  
 Cherrie Santos  
 John Schlinke  
 Eleni Silverman  
 Sallie Smith  
 Kristie Struble  
 Michael Sullivan  
 Rebecca Trumbull  
 Michael Zimney

**WASHINGTON UNIVERSITY**

Jill Cohn  
 Patricio Del Real  
 Jill Johnson

**WASHINGTON STATE UNIVERSITY**

Angele Gardner  
 Deborah Hurst  
 Michael LaFond  
 Carolyn Lemon  
 Robert W. Hadlow  
 Matthew Roewe



## APPENDIX II

Alumni of the 1980s, cont'd.

### UNIVERSITY OF WASHINGTON

Gregory G. Fitzsimons  
John T. McClaren  
Gretchen Van Dusen  
Betsey A. Verd

### WEST VIRGINIA UNIVERSITY

Randall S. Gooden  
Lee R. Maddex  
Billy Joe Peyton  
Michael Workman

### WHEATON COLLEGE

Kristen Cleaver  
Daithi Houlihan

### UNIVERSITY OF WISCONSIN

Kristen A. Beckman

### UNIVERSITY OF WISCONSIN, MILWAUKEE

Diane Korey  
Michael Martin  
Terry Reynolds

### YALE UNIVERSITY

Kevin Darken  
Carey Feirerabend  
Scott Merrill  
Jean L. Pike

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