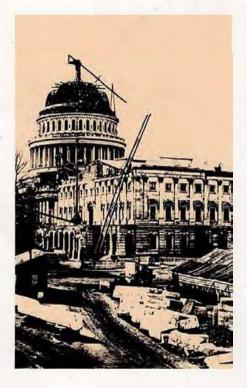
Civil Engineering History Engineers Make History



Edited by Jerry R. Rogers, Donald Kennon, Robert T. Jaske and Francis E. Griggs, Jr.





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Proceedings of the First National Symposium on Civil Engineering History

Sponsored by the Committee on History and Heritage of the American Society of Civil Engineers The ASCE National Capitol Section and the U.S. Capitol Historical Society

in conjunction with the ASCE National Convention in Washington, D.C. November 10-14, 1996

Edited by Jerry R. Rogers, Donald Kennon, Robert T. Jaske and Francis E. Griggs, Jr.

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Abstract:

The proceedings, *Civil Engineering History: Engineers Make History*, contains papers presented at the First National Symposium on Civil Engineering History held in Washington, D.C., November 10-13, 1996. This collection present the history of civil engineering from a variety of perspectives. Some papers explore history from the point-of-view of the people who lived it while others emphasize what today's civil engineer should know about their past.

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FOREWORD

Jerry R. Rogers, Ph.D., P.E.

Coordinator—First National Symposium on Civil Engineering History, Consulting Engineer, 12127 Old Oaks Drive, Houston, TX 77024

The American Society of Civil Engineers (ASCE) and the U.S. Capitol Historical Society (USCHS) organized the First National Symposium on Civil Engineering History November 10–13, 1996 in Washington, D.C. Co-sponsors included the National Capital Section—ASCE, the Committee on the History and Heritage of American Civil Engineering (CHHACE), and the U.S. Capitol Historical Society.

Appreciation of assistance for their planning efforts for the Symposium goes to: Bernie Dennis, Frank Malits and other officers and members of the National Capital Section—ASCE for their logo: "Engineers Make History"; the CHHACE Symposium Subcommittee: Alan L. Prasuhn, Neal FitzSimons, Darrell W. Webber, and Jerry R. Rogers; and Donald Kennon of the U.S.—C.H.S. for the Proceedings Cover of the U.S. Capitol Extension Photograph and Robert T. Jaske. The Historic American Engineering Record of the National Park Service and the Office of History—Corps of Engineers were primary sources of speakers (and therefore other co-sponsors) for the Symposium.

Session coordinators were: Jerry R. Rogers, Frank Malits, Bernie Dennis, Neal FitzSimons, Robert T. Jaske, Donald Kennon, Alan L. Prasuhn, and Martin Reuss. Appreciation also goe s to Shiela Menaker and Charles Hemming, ASCE Publications, and James Quiggle, ASCE CHHACE Liason, for their cooperation.

The Proceedings for the First National Symposium on Civil Engineering History were edited by Donald Kennon and Robert T. Jaske, Frank E. Griggs Jr., and Jerry R. Rogers. The speakers and authors cooperated in producing the Symposium and Proceedings.

Unique Symposium features include the: Opening Civil Engineering History Costume Session, Vision for the Monumental Core, ASCE National Capital Section Civil Engineering Historic National Landmarks Tour, United States Capitol Planning—Construction—and Tour, Engineers as Policymakers, and Civil Engineering History for: Tomorrow's Engineers, Today's Engineers, and for Everyone.

The Proceedings for the First National Symposium on Civil Engineering History are a lasting record of outstanding presentations and papers by speakers and authors. Planning can begin soon for the Second Engineering History Congress in Boston in 1 998 and the Third National Congress on Civil Engineering History in Houston in 2001.

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^{*}Manuscript not available at time of printing.

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*Manuscript not available at time of printing.

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Books Available at the Symposium

This comprehensive collection of peer-reviewed papers covers wellknown historical topics such as George Washington's surveying trip report, the Brooklyn Bridge, the planning and development of Washington, DC, and various monuments. Topics include the Washington, DC and ASCE National Historic Civil engineering landmarks; civil engineering history for today's engineers; civil engineering education; the diffusion of civil engineering techniques; engineering and the federal city; the Corps of Engineers and the Nation's Capitol; construction of the U.S. Capitol extension; sanitary engineers in American cities; building the infrastructure of the new federal city: 1793-1800; state engineers as policy makers; spheres of influence: federalism, politics, and engineering design; and manifestations in monuments.

