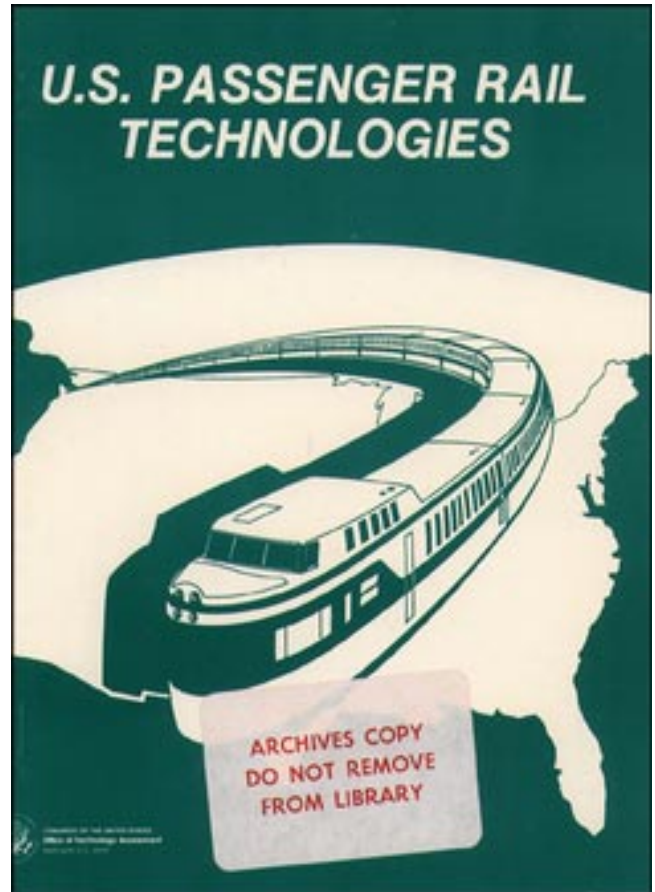


U.S. Passenger Rail Technologies

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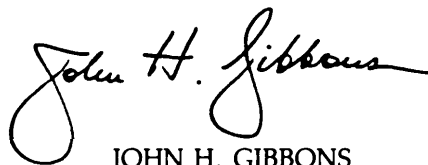
Foreword

Passenger rail transportation has been the subject of much concern and congressional action for the past two decades in the United States. As the country's transportation system evolved to include increased use of air and automobile technologies for inter-city travel, passenger rail service experienced significant ridership declines, resulting in institutional changes from private to public sector operation.

For the decade of the *IWO'S*, Federal attention focused primarily on determining and stabilizing a core passenger rail system for the country. While history reflects that the United States, since the early 1960's, has been interested in high-speed rail and advanced ground transport technologies, including magnetic levitation, the more pressing societal issues of a failing rail infrastructure and institutional reform have taken precedence in the policymaking arena for the past decade. Thus, expertise in high-speed rail now rests primarily abroad.

At this juncture, however, discussion related to growth and change in passenger rail technology, particularly high-speed rail and magnetic levitation, is increasing. Nine corridors are being actively explored by State and local governments, regional agencies, and U.S. and foreign technology developers and suppliers for possible application of high-speed ground transport systems.

This OTA assessment seeks to lay out in general form what is known about these high-speed technologies and the foreign experience with them. It also seeks to identify the areas of uncertainty relative to their application in the United States. The study is intended to identify significant policy questions and issues that will be pertinent to Federal, State, and local debate on this subject.



JOHN H. GIBBONS
Director

Railcar Manufacturing Workshop Participants

Frank Cihak
Director of Technical and Research Services
American Public Transit Association

Ross Higginbotham
Director of Car Engineering
Mechanical Department
Amtrak

George Krambles
Consultant

Richard Sklar
Entertainment Express

Jeff Stayer
Engineering Department
Westinghouse Electric

Magnetic Levitation Workshop Participants

Robert Borcherts
Research Scientist
Ford Motor Co.

Mike Daly
Economic Development Director
City of Las Vegas

John A. Darling
Director of Cost Analysis and Research
Santa Fe Railway

John Harrison
Massachusetts Institute of Technology

Ross Higginbotham
Director of Car Engineering
Mechanical Department
Amtrak

Roger Katz
Sperry Corp.

George Krambles
Consultant

Myles Mitchell
Freight and Passenger Systems
Federal Railroad Administration

Herbert Richardson
Associate Dean of Engineering
Massachusetts Institute of Technology

Richard Sklar
Entertainment Express

William Wieters
General Manager, Passenger Transport
Conrail

Demand, Economics, Institutional Considerations of High-Speed Rail Workshop Participants

Ross Capon
Executive Director
National Association of Railroad Passengers

Steve Ditmeyer
Director of Research and Development
Burlington Northern Railroad

John Fischer
Economics Division
Congressional Research Service
Library of Congress

Anthony Gomez-Ibanez
John F. Kennedy School of Government
Harvard University

Ross Higginbotham
Director of Car Engineering
Mechanical Department
Amtrak

Mike Mates
Consultant

Arrego Mongini
Northeast Corridor
Federal Railroad Administration

Gordon Peters
Rail Division
New York State Department of Transportation

Lenore Sek
Economics Division
Congressional Research Service
Library of Congress

Richard Sklar
Entertainment Express

Saul Sokolsky
Aerospace Corp.

Lou Thompson
Northeast Corridor
Federal Railroad Administration

U.S. Passenger Rail Technologies OTA Project Staff

John Andelin, *Assistant Director, OTA
Science, Information, and Natural Resources Division*

William F. Mills, *Program Manager**

Nancy Naismith, *Program Manager**
Science, Transportation, and Innovation Program*

Lucia Turnbull, *Project Director*

John Burns, *Editor*

Marsha Fenn, *Administrative Assistant*

R. Bryan Harrison, *Word Processing Specialist*

Contractors

Jane Holt Riverside Research Institute John G. Smith

OTA Publishing Staff

John C. Holmes, *Publishing Officer*

John Bergling Kathie S. Boss Debra M. Datcher Joe Henson

Glenda Lawing Linda A. Leahy Cheryl J. Manning

*Through September 1983

● *After September 1983.

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Nicholas Brand
American High Speed Rail Corp.

David Buckner
Chief, Rail Operations
Illinois Department of Transportation

Robert Casey
Executive Director
Pennsylvania High Speed Rail Passenger
Committee

Hughes de Villele
American TGV

Bill Dickhart
Marketing Manager
The Budd Co.

William Garrison
Institute of Transportation Studies
University of California

Kevin Kayes
Government Affairs Office
Amtrak

James C. Kellogg
Chief Administrative Officer
Urban and Public Transportation

William Kleppinger, Jr.
The Budd Co.

John Lagomarcino
Vice President
American High Speed Rail Corp.

Ichiroh Mitsui
Director, Washington Office
Japanese National Railways

Jeff Mora
Urban Mass Transportation Administration
U.S. Department of Transportation

James Rankin
Administrator, Rail Development
Florida Department of Transportation

Bill Taylor
Florida State Department of Transportation

Warren D. Weber
State of California
Department of Transportation
Division of Mass Transportation