THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS

AND

THE INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS

Cordially invites you to our monthly luncheon meeting

SPEAKER:	**MR. ROY ALLEN** - Vice President, Research and Test Department - The Association of American Railroads
TOPIC:	THE AAR RESEARCH PROGRAM
PLACE:	UNIVERSITY CLUB, George Washington University Marvin Center, 3rd. floor 800 21st. Street, NW, Washington, D.C.
DATE/TIME:	TUESDAY, JANUARY 14, 1997 - 11:30 a.m.
PRICE:	**$17.00*** CASH AT THE DOOR
RESERVATIONS:	LOU SANDERS 202/898-4086 **PLEASE MAKE YOUR** TOM GUINS 202/639-2259 **RESERVATION BY** **4 PM FRIDAY**

ABOUT THE SPEAKER AND THE SUBJECT:

Roy Allen has 25 years of experience in railroad research for British Rail and the Association of American Railroads (AAR). Currently he is Vice President of the Research and Test Department of the AAR, a position he has held since 1992.

Roy joined the British Rail R&D Division in 1971 after his graduation from the University of Salford in England with a Bachelor of Science degree in Mechanical Engineering. He came to the AAR in 1979 as a Senior Engineer with responsibility for mechanical engineering and vehicle testing programs at TTC. In 1981, Roy moved to the AAR Technical Center in Chicago as Manager of the Applied Technology Division. In this position, Roy was responsible for research on vehicle and train related topics within two research programs--Track Train Dynamics and Energy Research. Roy was promoted to Executive Director of the Chicago Technical Center in 1986 and to Assistant Vice President in charge of TTC in 1980.

Roy will discuss the AAR Research Program, emphasizing the Advanced Braking Systems project.

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SPEAKER:	**Ms. EVA LERNER-LAM** - President, Palisades Consulting Group
TOPIC:	TRANSIT COMMUNICATIONS PROTOCOLS
PLACE:	UNIVERSITY CLUB, George Washington University Marvin Center, 3rd. floor 800 21st. Street, NW, Washington, D.C.
DATE/TIME:	TUESDAY, FEBRUARY 11, 1997 - 11:30 a.m.
PRICE:	**$17.00*** CASH AT THE DOOR
RESERVATIONS:	LOU SANDERS 202/898-4086 **PLEASE MAKE YOUR** TOM GUINS 202/639-2259 **RESERVATION BY** **4 PM FRIDAY**

ABOUT THE SPEAKER AND THE SUBJECT:

Ms. Eva Lerner-Lam has extensive experience in transportation consulting. As President of the Palisades Consulting Group, Eva has spent time in China assisting that country in their effort to develop transit capacity to aid intracity mobility.

Ms. Lerner-Lam is currently the Project Manager for an effort funded by the Department of Transportation's Joint Program Office and the Intelligent Transportation Systems program. The objective of this project is to develop a set of specifications for transit data interfaces that will be compatible with the overall ITS specifications. The results of this program will assure that systems developed by the wide range of transit operators and suppliers will all have the capability to interface with the systems of other transit agencies and with other modes. The Early development of these standards will save the transportation industry millions of dollars in re-engineering costs to modify systems to be ITS compliant as the need for intermodal interfaces develops.

Next month's meeting will be held on March 11 and the topic will be the development of satellite communications for Amtrak's long distance trains.

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SPEAKER:	**WILLIAM T. STROUD** - Manager of Radio Engineering, AMTRAK
TOPIC:	USE OF SATELLITE COMMUNICATIONS ON AMTRAK
PLACE:	UNIVERSITY CLUB, George Washington University Marvin Center, 3rd. floor 800 21st. Street, NW, Washington, D.C.
DATE/TIME:	TUESDAY, MARCH 11, 1997 - 11:30 a.m.
PRICE:	**$17.00** CASH AT THE DOOR
RESERVATIONS:	LOU SANDERS 202/898-4086 **PLEASE MAKE YOUR** TOM GUINS 202/639-2259 **RESERVATION BY** **4 PM FRIDAY**

ABOUT THE SPEAKER AND THE SUBJECT:

Mr. William Stroud has a 27 year history in transportation communications. Bill has built aircraft radios, sailed with the US Navy and maintained radio systems for customers that include the Pennsylvania Department of Transportation, ConRail and Amtrak. He has been with Amtrak for 17 years and is currently Manager of Radio Engineering.

Mr. Stroud's educational experience includes completing courses at Montgomery County Community College and Temple University, both near Philadelphia. He has been active in communications committee work for the AAR's Communications and Signal Section. Bill is now chairman of Committee C-Telecommunications Engineering Working Committee.

In their continuing effort to provide world class service, Amtrak identified areas where customer needs were not being adequately addressed. One Amtrak's most pressing needs was a reliable communications system to link trains with various corporate functions on their nation-wide system. Mr. Stroud will discuss Amtrak's solution to meet their complex communications requirements.

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SPEAKER:	**WILLIAM W. MILLAR** - President, American Public Transit Association
TOPIC:	NEW DIRECTIONS AT APTA
PLACE:	UNIVERSITY CLUB, George Washington University Marvin Center, 3rd. floor 800 21st. Street, NW, Washington, D.C.
DATE/TIME:	TUESDAY, APRIL 8, 1997 - 11:30 a.m.
PRICE:	**$17.00** CASH AT THE DOOR
RESERVATIONS:	LOU SANDERS 202/898-4086 **PLEASE MAKE YOUR** TOM GUINS 202/639-2259 **RESERVATION BY** **4 PM FRIDAY**

ABOUT THE SPEAKER AND THE SUBJECT:

William M. Millar is President of APTA, the nations foremost organization dedicated to the advancement of public transit. Millar became chief executive officer of APTA in November 1996.

Mr. Millar was Executive Director of the Port Authority of Allegheny County (PAT), Pittsburgh, Pa, for 13 years prior to joining APTA. As head of PAT, one of the country's largest public transit providers, he directed a system that serves riders on bus, light rail, exclusive busway, demand response (paratransit) and inclined plane service.

A national recognized leader in public transit, Mr. Millar has served in leadership positions on the Transportation Research Board, the Transit Development Corporation, APTA and the Pennsylvania Association of Municipal Transportation Authorities, as well as numerous other professional and civic organizations.

At the April meeting, Mr. Millar will discuss the new directions that will be taken at APTA under his leadership.

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SPEAKER:	**CHRISTOPHER A. BODY** - Director of Marketing and Sales, Orbital Sciences Corporation
TOPIC:	Applications of Automatic Vehicle Location Systems to Commuter Rail
PLACE:	UNIVERSITY CLUB, George Washington University Marvin Center, 3rd. floor 800 21st. Street, NW, Washington, D.C.
DATE/TIME:	TUESDAY, May 12, 1997 - 11:30 a.m.
PRICE:	**$17.00** CASH AT THE DOOR
RESERVATIONS:	LOU SANDERS 202/898-4086 **PLEASE MAKE YOUR** TOM GUINS 202/639-2259 **RESERVATION BY** **4 PM FRIDAY**

ABOUT THE SPEAKER AND THE SUBJECT:

Christopher Body has been involved with Intelligent Transportation systems since 1993. Mr Body spent time with Westinghouse Electric Corporation, ITS of America, before joining Orbital Systems in 1996. Chris received his Bachelors degree in Mechanical Engineering from Pennsylvania State University and a Master of Business Administration from University of Baltimore.

Mr. Body is currently Director and Marketing for Orbital Science Corporation's Intelligent Transportation systems Group. He is responsible for the development of strategic marketing initiatives and partnerships for ITS fleet management applications and AVL applications for state and municipal fleets. Chris serves on many ITS America and TRB expert transportation panels.

Mr. Body will discuss the application of automatic vehicle location systrems to commuter rail with special emphasis on the system currently being employed on Virginia Railway Express. Chris will describe the innovative applications of the AVL information on VRE including planning, scheduling and rapid passenger information update systems.

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SPEAKER: Mr. Rudolph R. Mertens, North American Representative, Deutche Bahn AG

TOPIC: REVITALIZATION AND INTEGRATION OF THE EUROPEAN RAILWAYS - THE GERMAN EXAMPLE

PLACE: UNIVERSITY CLUB, George Washington University
Marvin Center, 3rd Floor
800 21st Street, Washington, D.C.

DATE/TIME: TUESDAY, SEPTEMBER 9, 1997 - 11:30 a.m.

PRICE: $17.00 CASH AT THE DOOR

RESERVATIONS: LOU SANDERS (202)898-4086
TOM GUINS (202)639-2259

ABOUT THE SPEAKER AND THE SUBJECT:

Mr. Rudolf Mertens has been involved with many aspects of German transportation during his career. Rudy has served as Director of International Aviation, Director of Economic Research and Analysis and Head of Communications and Spokesman for the Federal Ministry of Transport. Mr. Mertens became Counselor of Transportation at the German Embassy in Washington in 1986. In 1991, Rudy joined Deutche Bundesbahn and became their North American Representative in 1994.

Mr. Mertens will discuss the revitalization of the European railways through joint marketing to gain market share. These efforts have included open access regimes, cargo freeways and interoperability of railway systems. To provide additional insights into the process, Rudy will provide examples based upon the restructuring and privatization of the German National Railways.

The efforts to create an interoperable European Railway have created a demand for a wide range of services including new rolling stock to provide the new, integrated railway system. Again , using the Deutch Bahn experience, Rudy will explore the requirements for this new system. Do not miss this exciting meeting to learn of the new opportunities available as the European Railway is formed.

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SPEAKER: Dr. Alexander E. Metcalf, President, Transportation Management Systems

TOPIC: THE FUTURE OF HIGH SPEED RAIL IN NORTH AMERICA

PLACE: UNIVERSITY CLUB, George Washington University
Marvin Center, 3rd Floor
800 21st Street, Washington, D.C.

DATE/TIME: TUESDAY, OCTOBER 14, 1997 - 11:30 a.m.

PRICE: $17.00 CASH AT THE DOOR

RESERVATIONS: LOU SANDERS (202)898-4086
TOM GUINS (202)639-2259

ABOUT THE SPEAKER AND THE SUBJECT:

Dr. Metcalf. President of Transportation Management, Inc., is an internationally recognized expert in the field of high speed rail demand forecasting, finance, and economics. Dr. Metcalf was educated at London University in the U.K., where he received a B.S. in Economics and a Ph.D. in Transport Economics. Dr Metcalf is a member of the Institute of Statisticians.

Before moving to North America in 1985, Dr. Metcalf was British Railways Chief Economist and was responsible for the planning work associated with the Channel Tunnel, the Mainline Electrification Program, and the earlier HST High Sped Train Program.

Dr. Metcalf has carried out more than 30 high speed and intercity rail studies in North America. He is now working on rail studies for the Portland-Boston, Richmond-Bristol-Washington, D.C., and Chicago-St. Louis corridors. He is also directing the Midwest Rail Initiative, in which nine states and Amtrak are establishing the operating and capital parameters for regional rail service with a Chicago hub, similar to but on a larger scale than the Northeast corridor.

Note: All luncheon meeting for the remainder of the 1997-1998 season will be held on the Third Tuesday of the month. Next month's meeting will be on November 18.

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SPEAKER: Mr. Alan Brick-Turin, Associate Vice President, Frederic R. Harris, Inc.

TOPIC: RE-EMERGING CORRIDORS: RELEARNING THE PAST - PASSENGER SERVICE FOR SOUTHWESTERN VIRGINIA

PLACE: UNIVERSITY CLUB, George Washington University
Marvin Center, 3rd Floor
800 21st Street, Washington, D.C.

DATE/TIME: TUESDAY, NOVEMBER 18, 1997 - 11:30 a.m.

PRICE: $17.00 CASH AT THE DOOR

RESERVATIONS: LOU SANDERS (202)898-4086
TOM GUINS (202)639-2259

ABOUT THE SPEAKER AND THE SUBJECT:

Mr. Alan Brick-Turin is a professional engineer with more than 27 years of experience in transportation planning and engineering. A graduate of the Polytechnic Institute of Brooklyn in New York city, he has advanced through a number of positions of increasing responsibility and is now Associate Vice President with the international consulting firm of Frederic R. Harris, Inc.

Alan's previous assignments have included: highway and rail corridor studies; regional and small area transportation planning studies; urban and institutional master plans; and transportation analysis associated with environmental impact studies. He is co-author of the National Transportation Highway Board Circular, *Evaluating Rail-Highway Crossings* (NCHRP 288) and a paper entitled *Areawide capacity Analysis*, delivered at the 1993 Institute of Transportation Engineers Annual Convention in The Hague, Netherlands.

In September of 1994 The Virginia Department of Rail and Public Transportation initiated a study to investigate the feasibility of re-instituting rail service in southwestern Virginia. The success of the Phase I study, in which operational and financial feasibility were established, was followed by a more in depth investigation of how to make the system a reality. Alan will summarize the results of this three effort and offer some insights into the procedures used to reach conclusions and the issues encountered along the way.

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SPEAKER: Mr. Thomas S. Guins, Manager Engineering Economics, Association of American Railroads

TOPIC: THE AAR'S ADVANCED FREIGHT CAR TRUCK PROGRAM

PLACE: UNIVERSITY CLUB, George Washington University
Marvin Center, 3rd Floor
800 21st Street, Washington, D.C.

DATE/TIME: TUESDAY, DECEMBER 16, 1997 - 11:30 a.m.

PRICE: $17.00 CASH AT THE DOOR

RESERVATIONS: LOU SANDERS (202)898-4086
TOM GUINS (202)639-2259

ABOUT THE SPEAKER AND THE SUBJECT:

Tom Guins has twenty years of experience in analyzing the economics of railroad innovations, operations and regulatory changes. Tom is currently the Manger of Engineering Economics in the Operations and Maintenance department at the AAR. Analyzing the cost and benefits of advanced trucks has been a one of Tom's major responsibilities over the last ten years.

The AAR has two ongoing research programs focused on stimulating and evaluating improved truck designs for today's freight cars. The first of these programs is looking at both improved trucks and then advanced trucks for heavy haul service. Three improved suspension trucks are currently being tested at the Facility for Accelerated Service Testing (FAST) at the Transportation Technology Center at Pueblo. Colorado. This testing represents the first controlled-environment testing comparing the performance of improved trucks to the standard three-piece trucks.

The AAR is also evaluating advanced truck designs for freight cars in finished automobile service. The goal of this project is to stimulate the development of new trucks that will meet the ride quality specifications of the major automobile manufacturers. New trucks are currently being tested both at TTC's test facilities and in over-the-road service tests. Tom will discuss the trucks currently under test and the evaluation process for approval of these new designs.