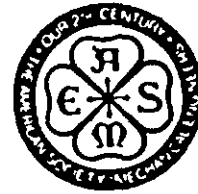


THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS



AND



THE INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS

Cordially invites you to our monthly luncheon meeting

- SPEAKER:** LAUREL RADOW - APTA
- TOPIC:** THE NATIONAL SURFACE TRANSPORTATION NETWORK
- PLACE:** UNIVERSITY CLUB, George Washington University
Marvin Center, 3rd. floor
800 21st. Street, NW, Washington, DC
- DATE/TIME:** TUESDAY, JANUARY 11, 1994 - 11:30 a.m.
- PRICE:** \$ 15.00 CASH AT THE DOOR
- RESERVATIONS:** LOU SANDERS 202/898-4086 **PLEASE MAKE YOUR**
RAUL V. BRAVO 703/425-6059 **RESERVATION BY**
4 PM FRIDAY

ABOUT THE SPEAKER AND THE SUBJECT:

New options and a new way of viewing transportation are needed to meet the 21st century's complex challenges - enhanced mobility, economic growth, environmental quality, energy conservation and social harmony.

The existing and planned transportation systems envisioned in the National Surface Transportation Network reflect a new view of our transportation future. It is the new nationwide network that can make travel within and between our major cities more efficient, convenient and enjoyable as provide a lifeline for all small urban and rural residents.

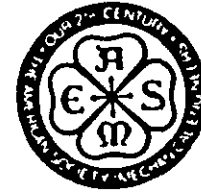
America's New Transportation Surface Network represents the links of urban public transportation systems with Amtrak intercity rail services, intercity high-speed rail systems, intercity bus services, rural public transportation systems and intermodal terminal facilities.

Laurel Radow, a transportation analyst at APTA, took a leading role in putting together this vision of the transportation network of the future. She is in a unique position to describe the interrelationship among the many modes of passenger transportation and the challenge that must be met to make this vision a reality.

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- SPEAKER:** HARVEY M. GLICKENSTEIN, PE - THOMAS K. DYER, INC.
- TOPIC:** HIGH CAPACITY SIGNALLING FOR THE NORTHEAST CORRIDOR
- PLACE:** UNIVERSITY CLUB, George Washington University
Marvin Center, 3rd. floor
800 21st. Street, NW, Washington, DC
- DATE/TIME:** TUESDAY, FEBRUARY 8, 1994 - 11:30 a.m.
- PRICE:** \$17.00* CASH AT THE DOOR
- RESERVATIONS:** LOU SANDERS 202/898-4086 **PLEASE MAKE YOUR**
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ABOUT THE SPEAKER AND THE SUBJECT:

The proposed improvements to the Northeast Corridor including additional electrification and higher operating speeds have created a fascinating engineering challenge in area of traffic control signalling. To meet this challenge Amtrak has contracted with Thomas K. Dyer to design a signalling system that both allows high speed operation and is resistant to the high levels of electro-magnetic interference characteristic of electrified right-of-way. Thomas K. Dyer has developed an innovative approach to high-speed signalling for this application.

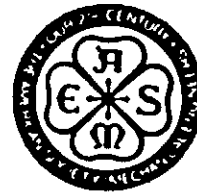
Harvey Glickenstein, District Manager for Thomas K. Dyer, Inc., will provide an exciting look at the innovative engineering design techniques used in the development of the New High-Speed Signalling System for the Northeast Corridor.

****** Due to recent price increases at the Faculty Club in the Marvin Center, the luncheon cost has been increased from \$15 to \$17. This is the first price increase in many years and is necessary to stop the financial hemorrhaging of the sponsoring organization.**

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SPEAKER: **KENNETH M. WATKINS** - DIRECTOR EQUIPMENT DESIGN,
AMTRAK

TOPIC: AMTRAK'S NEW "GENESIS" LOCOMOTIVE

PLACE: UNIVERSITY CLUB, George Washington University
Marvin Center, 3rd. floor
800 21st. Street, NW, Washington, DC

DATE/TIME: TUESDAY, MARCH 8, 1994 - 11:30 a.m.

PRICE: **\$17.00*** CASH AT THE DOOR

RESERVATIONS: LOU SANDERS 202/898-4086 **PLEASE MAKE YOUR**
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ABOUT THE SPEAKER AND THE SUBJECT:

Ken Watkins is currently Director of Engineering Design in Amtrak's Office of Engineering in Philadelphia, Pa. He is responsible for technical support of Amtrak's locomotive and passenger car fleet. Ken played a key role in the planning and acquisition activity that led to the development of the new AMD-103 locomotive built by General Electric.

Ken joined Amtrak in 1976 with a railroad career spanning many years since it began in England in the 1950's. Mr. Watkins is a Chartered Engineer in Great Britain and is currently affiliated with IEEE, IEE (Great Britain) and AREA.

The AMD-103, "Genesis," Locomotive that recently entered revenue service was specifically designed to address Amtrak's long distance service requirements. While delivering increased horsepower (4000 HP), it is aerodynamically designed, more efficient and offers performance-enhancing features that range from an integrated function display system to on-board diagnostics and computer control of all locomotive systems.

Ken's presentation will highlight the many exciting design features of the "Genesis" Locomotive.

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SPEAKER: **DAVID V. NOGAR** - DIRECTOR OF MARC TRAIN SERVICE

TOPIC: MARC - THE SYSTEM AND SERVICE

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

DATE/TIME: TUESDAY, APRIL 5, 1994 - 11:30 a.m.

PRICE: **\$17.00*** CASH AT THE DOOR

RESERVATIONS: LOU SANDERS 202/898-4086 **PLEASE MAKE YOUR**
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ABOUT THE SPEAKER AND THE SUBJECT:

David Nogar is the Director of MARC Train Service for the Maryland Mass Transit Administration. Mr. Nogar brings to this position a broad range of rail experience spanning twenty years. From 1991 to 1993 he worked as the Division Director of METRO Link Operations for the Bi-State Development Agency in St. Louis, and was responsible for putting together the operations organization for the emerging light rail system there.

Prior to that position, Mr. Nogar worked in various capacities for the NJTransit Rail Operations, including that of Trainmaster, Manager of Rail Community Relations, Manager of Special Operations and Superintendent of the Atlantic City Rail Line.

Mr. Nogar holds a B.A. from George Washington, which he earned while working as a brakeman and a conductor with the Reading Company and the Consolidated Rail Corporation (Conrail) in Philadelphia.

David will provide an overview of the MARC system and service, and will discuss a number of initiatives in the works for on-board service innovations and service expansion, including the procurement of new bi-level commuter coaches and electric locomotives.

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SPEAKER: **FREDERICK B. EBERHART** - U.S. TRADE & DEVELOPMENT
PROGRAM

TOPIC: **POTENTIAL FOREIGN BUSINESS OPPORTUNITIES**

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

DATE/TIME: **TUESDAY, MAY 10, 1994 - 11:30 a.m.**

PRICE: **\$17.00* CASH AT THE DOOR**

RESERVATIONS: **LOU SANDERS** 202/898-4086 **PLEASE MAKE YOUR**
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ABOUT THE SPEAKER AND THE SUBJECT:

Fred Eberhart has 18 years of varied professional experience in international trade and development, principally in the enterprise development and agribusiness sectors in Africa. This has included five years in the Niger Republic and numerous short term assignments in many other African countries.

Fred holds a Master's degree in Anthropology from Indiana University, and an MBA from the George Washington University. Since he came to the U.S. Trade and Development Program in 1988, he has implemented programs in Asia, Africa and Europe. He has served as Regional Director for Asia/Pacific since 1991. His current responsibilities include identification of capital project planning assistance requirements in a wide range of sectors including telecommunications, power, transportation and environment throughout East Asia.

Mr. Eberhart will speak about the Trade and Development Program's efforts to identify potential business opportunities in foreign countries and assist American Suppliers of goods and services.

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SPEAKER: **KATHERINE ARCHULETA - DEPUTY CHIEF OF STAFF TO THE SECRETARY OF TRANSPORTATION, DOT**

TOPIC: **USDOT TRANSPORTATION LEGISLATIVE AGENDA**

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

DATE/TIME: **TUESDAY, SEPTEMBER 13, 1994 - 11:30 a.m.**

PRICE: **\$17.00* CASH AT THE DOOR**

RESERVATIONS: **LOU SANDERS 202/898-4086 PLEASE MAKE YOUR
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ABOUT THE SPEAKER AND THE SUBJECT:

Katherine Archuleta became Deputy Chief of Staff to Secretary of Transportation Federico Pena on June 22, 1993. Ms. Archuleta earned a Masters Degree in Education at the University of Northern Colorado in 1976, attended the University of Colorado School of Law from 1980-81, and graduated Magna Cu Laude from Metropolitan College in 1971.

Charged with providing guidance and advice to top management officials at the DOT, Ms. Archuleta has been deeply involved in many of the Department's strategic initiatives. She played a lead role in the Department's campaign to support passage of NAFTA, first overseeing a study of trade-generated infrastructure needs along America's borders with Canada and Mexico, then following through by helping organize the first, historic summit of Transportation Secretaries from all three NAFTA countries.

Ms. Archuleta will discuss the Department's legislative agenda. This will include such areas as high speed rail, Intermodal initiatives, motor carrier deregulation and potential transfer of ICC responsibilities to DOT.

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- SPEAKER: DAVID SHUMAN - Managing Director, R.L. Banks & Assoc.
- TOPIC: The Future of the Eastern European Railways
- PLACE: UNIVERSITY CLUB, George Washington University
Marvin Center, 3rd. floor
800 21st. Street, NW, Washington, D.C.
- DATE/TIME: TUESDAY, OCTOBER 11, 1994 - 11:30 a.m.
- PRICE: \$17.00* CASH AT THE DOOR
- RESERVATIONS: LOU SANDERS 202/898-4086 PLEASE MAKE YOUR
RAUL V. BRAVO 703/425-6059 RESERVATION BY
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ABOUT THE SPEAKER AND THE SUBJECT:

Davis Shuman is Managing Director at R.L. Banks & Associates, Inc. in Washington, D.C. In his 15 years of transportation consulting, he has worked in Six continents and 30 countries on virtually every non-engineering aspect of railroading. David has been involved in the privatization or commercialization of railways in New Zealand, Australia, Argentina, Mexico, Sri Lanka and Zambia among other places. He has recently returned from a trip to Croatia, Bulgaria, Albania, Macedonia and Slovakia where he evaluated transportation investment opportunities for U.S. firms at behest of the United States Trade Development Agency.

Prior to his position at R.L. Banks, Mr. Shuman was with Booz, Allen & Hamilton, Inc. Where, he managed studies of the railroads in Russia, Kasakhstan, Belarus, Ukraine and the Baltic countries. David also served as advisor to the European Community for transportation investments in Ireland, Greece and Portugal and to Italy for an analysis of the feasibility of a high-speed rail system.

Mr. Shuman received his A.B. from Connecticut College, his J.D. from Boston University, and his M.B.A. from the Wharton School.

David will make a presentation on the current status and future plans of the Eastern European Railways based on the insights gathered during many trips to the region.

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SPEAKER: JACK KINSTLINGER - Chief Executive Officer, KCI Technologies, Inc.

TOPIC: The Baltimore/Washington Mag-Lev Service

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

DATE/TIME: TUESDAY, NOVEMBER 8, 1994 - 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**
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ABOUT THE SPEAKER AND THE SUBJECT:

Jack Kinstlinger is the Chairman of the Board and Chief Executive Officer of KCI Technologies, Inc. Mr. Kinstlinger provides quality control/quality assurance and technical support on multi-disciplined environmental, planning and engineering projects. Jack is actively involved in the management of key projects and oversees the firms project management and quality management programs. His many years of engineering management experience includes private consulting and government service and active participation in the planning, design, operation and maintenance of major public works facilities.

Mr. Kinstlinger received a Bachelor of Science in Civil Engineering from The Massachusetts Institute of Technology. Jack then went on to earn a Master of Science Degree in Civil Engineering from Rensselaer Polytechnic Institute.

Jack has served as project manager for a feasibility study of constructing a magnetic levitation train between Baltimore ad Washington. This study, for the Maryland Department of Transportation and the U.S. Department of Transportation, was completed in September, 1994.

Mr. Kinstlinger will discuss the results of his recently completed study. The results are hot off the presses and will provide you with the inside view and an opportunity to peer into the future.

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- SPEAKER:** JOSEPH ALEXANDER - Member, WMATA
- TOPIC:** Transportation Plans in Northern Virginia
- PLACE:** UNIVERSITY CLUB, George Washington University
Marvin Center, 3rd. floor
800 21st. Street, NW, Washington, D.C.
- DATE/TIME:** TUESDAY, DECEMBER 13, 1994 - 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**
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ABOUT THE SPEAKER AND THE SUBJECT:

Joe Alexander has been a member of the Washington Metropolitan Transit Authority for over twenty years, including four terms as Chairman of the Board of Directors.

A local elected official, Joe has served on the Fairfax County, Virginia Board of Supervisors for the past thirty years. Joe helped organize and implement the Fairfax Connector, a 125 bus local feeder system operated by the County to serve some of the Metro stations in Northern Virginia. He is also a member of the Northern Virginia Transportation Commission (a State agency), and President of the Virginia Association of Public Transit Officials. Joe is also a member of the Virginia Railway Express (Commuter Rail) Operating Board. In the private sector, Joe heads the Alexander Group, a transportation consulting firm.

Mr. Alexander has been very active in APTA. He was one of the organizers of the Governing Boards Committee and the Women in Transit Committee. Joe Serves on the State Affairs Committee, the Transit 2000 Committee, and is presently the chairman of the APTA Membership Committee. Joe also served in the past as Vice-President for Governing Boards and Chairman of APTA.

Joe will discuss transportation planning and plans for Northern Virginia.