

# Northern Virginia and Washington Section *SCANNER*.

## Use this format for *SCANNER* Meeting Notices

**Date of Meeting:** Tuesday, March 11, 1986

**Sponsor(s): Chapter(s), Section(s)**  
Vehicular Technology Society Chapter  
Land Transportation Committee  
Washington section, IEEE

**Hour**  
**Cocktails:** 11:30 a.m.

**Subject:** High Points and Low Points of  
Managing and Operating an Electrified  
Suburban Rail Rapid Transit System

**Hour**  
**Meal:** 12:00 Noon Luncheon

**Speaker:** Mr. J. William Vigrass, Assistant  
General Manager, Port Authority Tran-  
sit Corporation of Pennsylvania and  
New Jersey

**Hour**  
**Meeting:**

**Place:** Marvin Center, 3rd floor, George  
Washington University, 800 21st St.  
NW, Washington, D.C.

**Contact:** Jerry Hott (785-1351) or  
Deane Aboudara (828-2880) for reser-  
vations by 4:00 p.m. Friday, March 7, 86

### ABSTRACT AND BIOGRAPHICAL SKETCH (Please limit to 150 words)

Mr. J. William Vigrass, Assistant General Manager, is in his 18th year of supervisory and management responsibilities at PATCO. He is well qualified to present his topic since this term of service includes the implementation of a newly constructed system and the maturing of a service that today enjoys an enviable reputation. Mr. Vigrass, while having excellent credentials in economics and management science from Western Reserve and Ohio State University, possesses a demonstrated practical knowledge in the directing of solutions of day-to-day challenges typical of this type rail service to a suburban community.

# Northern Virginia and Washington Section *SCANNER*.

## Use this format for *SCANNER* Meeting Notices

**Date of Meeting:** Tuesday, April 8, 1986

**Hour Cocktails:** 11:30 a.m.

**Hour Meal:** 12:00 Noon Luncheon

**Hour Meeting:** -----

**Sponsor(s):** Chapter(s), Section(s)  
Vehicular Technology Society Chapter  
Land Transportation Committee  
Washington Section IEEE

**Subject:**  
AMTRAK's Prototype Car Project -  
An Update

**Speaker:** Mr. Charles Engelhardt, Assistant  
Chief Mechanical Officer, Equipment  
Engineering, AMTRAK, Washington, DC

**Place:** Marvin Center, 3rd floor  
George Washington University  
800 21st St., NW, Washington, DC

**Contact:** Jerry Hott (785-1351) or  
Deane Aboudara (828-2880) for reservations  
by 4:00 p.m. Friday, April 4, 1986

### ABSTRACT AND BIOGRAPHICAL SKETCH

*(Please limit to 150 words)*

Mr. Charles Engelhardt, Assistant Chief Mechanical Officer of Equipment Engineering at AMTRAK has been intimately involved in the prototype car project since its inception. In 1971, AMTRAK inherited a mixed fleet of steam-heated passenger cars from the American railroads. In thirteen years, AMTRAK has modernized its fleet through the acquisition of 642 Amfleet I and II, 284 Superliner and 7 Turboliner trains. It has also taken more than 500 of the best of the inherited cars and completely modernized and converted them from steam-heated axle-generated electric to all head-end generated electric.

# Northern Virginia and Washington Section *SCANNER*.

## Use this format for *SCANNER* Meeting Notices

**Date of Meeting:** Tuesday, May 13, 1986

**Sponsor(s): Chapter(s), Section(s)**  
Vehicular Technology Society Chapter  
Land Transportation Committee  
Washington section, IEEE

**Hour Cocktails:** 11:30 a.m.

**Subject:** Introduction to Fiber Optic Communications

**Hour Meal:** 12:00 Noon Luncheon

**Speaker:** Mr. George H. Norris,  
Engineer Communications  
Gibbs & Hill, Inc.,  
Washington, D. C.

**Hour Meeting:**

**Place:** Marvin Center, 3rd floor, George Washington University, 800 21st St. NW, Washington, D.C.

**Contact:** Jerry Hott (785-1351) or  
Deane Aboudara (828-2880) for reservations by 4:00 p.m. Friday, May 9, 1986

### ABSTRACT AND BIOGRAPHICAL SKETCH

*(Please limit to 150 words)*

Mr. George Norris, Engineer Communications at Gibbs & Hill, Inc., has been involved with the design of Washington Metropolitan Area Transit Authority (WMATA) communications systems for the last three years. Before coming to Gibbs & Hill, he retired from the Bell Telephone System after 37 years. He spent the last ten years at the C & P Telephone Company's Management Training Center in Rosslyn, Va., specializing in the various modes of voice and data transmission.

# Northern Virginia and Washington Section *SCANNER*.

## Use this format for *SCANNER* Meeting Notices

**Date of Meeting:** Tuesday, June 10, 1986

**Sponsor(s):** Chapter(s), Section(s) Vehicular Technology Society Chapter  
Land Transportation Committee  
Washington Section IEEE

**Hour Cocktails:** 11:30 a.m.

**Subject:**  
Overview of High-Speed Rail Activities in the U.S.

**Hour Meal:** 12:00 Noon Luncheon

**Speaker:** Mr. Paul H. Reistrup, Vice President, R.L. Banks & Associates, Inc., Washington, D.C.

**Hour Meeting:**

**Place:** Marvin Center, 3rd floor  
George Washington University  
800 21st St. NW, Washington, DC

**Contact:** Jerry Hott (785-1351) or  
Ted Gordon (828-2886) for reservations  
by 4:00 p.m. Friday, June 7, 1986

### ABSTRACT AND BIOGRAPHICAL SKETCH

*(Please limit to 150 words)*

Mr. Paul H. Reistrup, Vice-President - R.L. Banks & Associates, Inc. has directed economic projections for high-speed rail service in the U.S. Mr. Reistrup has extensive experience in railroad management. He has served as: President and Chief Executive Officer of the National Railroad Passenger Corporation (AMTRAK) directing modernization of the rolling stock (locomotive and car fleets) and developing strategy for its Northeast Corridor Operations; Senior Vice President - Illinois Gulf Central Railroad directing activities in marketing and industrial developments; and several positions (including Assistant Vice President-Executive Development) with the Chessie System where he instituted many innovations which resulted in superior passenger operation.



THE INSTITUTE OF  
ELECTRICAL AND  
ELECTRONICS  
ENGINEERS, INC.

VEHICULAR TECHNOLOGY SOCIETY

Land Transportation Committee

PLEASE REPLY TO:

September 9, 1986

Land Transportation Committee  
Washington Chapter

Social Hour:  
11:30 am

Subject: Subsystem Design for the New  
ICE (Inter City Express) Trains

Lunch:  
12:00 Noon

Speaker: Mr. Gert O. von Lieres  
Messerschmidt-Bolkow-Blohm GmbH  
Director of North American  
Business Development  
MBB Transportation Technology  
Div. Washington D.C.

Place: Marvin Center, 3rd Floor  
George Washington University  
800 21st Street, N.W.  
Washington, D.C.

Contact Jerry Hott (785-1351) or  
Helmut Kolig (383-3034)  
for reservations before 4 pm  
on Friday, September 5, 1986.

Mr. von Lieres will speak on the design of certain subsystems for Europe's new I.C.E. Trains, particularly the fiber composition bogies and the alternating current propulsion system.

Mr. von Lieres has a diploma in Business Administration resulting from his studies at the University of Munich and the University of Erlangen-Nuremberg. He has twenty years of experience with Messerschmitt AG and MBB in relation to advanced transportation systems technology.



THE INSTITUTE OF  
ELECTRICAL AND  
ELECTRONICS  
ENGINEERS, INC.

VEHICULAR TECHNOLOGY SOCIETY

Land Transportation Committee

PLEASE REPLY TO:

Land Transportation Committee  
Washington Chapter

October 7, 1986

Social Hour:  
11:30 AM

Subject: WMATA-A Systems Technology Update

Lunch:  
12:00 Noon

Speaker: Raymond E. Starsman  
Chief Systems Engineer  
Washington Metropolitan Area  
Transit Authority

Place: Marvin Center, 3rd Floor  
George Washington University  
800 21st Street, N.W.  
Washington, D.C.

Contact: Jerry Hott (785-1351) or  
Helmut Kolig (383-3034) for  
reservations before 4:00 PM,  
Friday, October 3, 1986

This presentation is an update of recent technology applications at WMATA in the areas of automatic train control, traction power, mechanical, communications, and automatic fare collection systems. Specific examples to be discussed are:

- Better supervision through the enhanced operations control center;
- Energy savings through the employment of chopper controlled cars with regenerative braking and composite third rail;
- Faster evacuation through use of the emergency tunnel evacuation cart;
- Communications savings through the use of WMATA owned circuits; and
- Improved revenue collection through the centralization of fare collection data from mezzanines and handling of larger denomination bills.

Mr. Starsman is the Chief Systems Engineer of the Washington Metropolitan Area Transit Authority. He is a professional engineer with a BS degree from the United States Military Academy and MS degrees in Mechanical and Aerospace Engineering from the University of Arizona. His engineering responsibilities at WMATA include design management and procurement of train control, communications, mechanical, electrical, and automatic fare collection systems.



THE INSTITUTE OF  
ELECTRICAL AND  
ELECTRONICS  
ENGINEERS, INC.

VEHICULAR TECHNOLOGY SOCIETY

Land Transportation Committee

PLEASE REPLY TO:

Land Transportation Committee  
Washington Chapter

November 4, 1986

Social Hour:  
11:30 AM

Subject: Developments in Monorail Technology

Lunch:  
12:00 Noon

Speaker: Edwin O. Riddell  
Director, Intermediate Systems  
The Transportation Group, Inc.

Place: Marvin Center, 3rd Floor  
George Washington University  
800 - 21st Street, N.W.  
Washington, D.C.

Contact: Jerry Hott (785-1351) or  
Helmut Kolig (383-3034) for  
reservations before 4:00 PM,  
Friday, October 31, 1986

The presentation will feature the technical aspects of adopting the monorail technology in use and developed by Disney for use in transit operations.

Mr. Riddell is the Director of Intermediate Systems for the Transportation Group, Inc. He is also a board member of the American Public Transit Association (APTA). He has a Bachelor of Science Degree in Mechanical Engineering from Wayne State University, and a Masters Degree in Business Administration from the University of Michigan.



THE INSTITUTE OF  
ELECTRICAL AND  
ELECTRONICS  
ENGINEERS, INC.

VEHICULAR TECHNOLOGY SOCIETY

Land Transportation Committee

PLEASE REPLY TO:

Land Transportation Committee  
Washington Chapter

December 9, 1986

Social Hour:  
11:30 AM

Subject: Propulsion System for Rapid  
Transit Vehicles

Lunch:  
12:00 Noon

Speaker: Ron Kangas  
UMTA Technology Development  
Division

Place: Marvin Center, 3rd Floor  
George Washington University  
800 - 21st Street, N.W.  
Washington, D.C.

Contact: Jerry Hott (785-1351) or  
Helmut Kolig (383-3034) for  
reservations before 4:00 PM,  
Friday, December 5, 1986

This presentation is a report on developments in the area of propulsion systems, specifically as applied to rapid transit vehicles and will feature the results of testing done on New York City transit cars.

Ron Kangas is Chief of the Technology Development Division in the Urban Mass Transportation Administration's Office of Engineering. He is responsible for the development, test and analysis of major subsystems associated with rapid rail and other fixed guideway technologies in mass transit. These include developments of advanced signal and control, magnetic levitation and propulsion, and AC propulsion technologies, development of electromagnetic compatibility test procedures, analysis techniques for energy management at a system level and research in combating the effects of ice and snow on transit.

Mr. Kangas has a B.S. and M.S. degree in Mechanical Engineering from Worcester Polytechnic Institute.