

BIOGRAPHIES OF URBAN MASS TRANSIT ADVISORY PANEL

George Krambles, Chairman
General Operations Manager
Chicago Transit Authority (CTA)
Chicago, Ill.

Mr. Krambles is responsible for the transportation, maintenance, and operations planning departments which together include more than 11,000 of CTA's 12,500 employees. Prior to assuming the position of General Operations Manager, he served as operating manager in charge of the transportation and shops and equipment departments from 1972 to 1973. He was superintendent of research and planning related to service and marketing from 1965 to 1972, and superintendent of operations for the transportation department from 1961 to 1965. In addition, he was named manager in 1964 for the 2-year Skokie Swift mass transportation demonstration grant project.

Mr. Krambles is a graduate of the University of Illinois and a registered professional engineer in Illinois. After a brief period with the Indiana Railroad, he joined the Chicago Rapid Transit Company, serving in the mechanical and electrical departments. His work during this period included maintenance and construction design as well as power system operation.

Walter J. Bierwagen
Vice President and Director of Public Affairs
Amalgamated Transit Union
AFL-CIO

Mr. Bierwagen has spent most of his professional life in a leadership role in organized labor. From 1951 to 1964, Mr. Bierwagen was president and business agent of the Washington local of the Amalgamated Transit Union representing Washington transit employees. In this role he was the primary officer who directed collective bargaining and legislative programs of interest to his union. Subsequently he became vice president of the international union, engaging in legislative representation before Congress on behalf of the members of the Amalgamated Transit Union, and conducting collective bargaining negotiations on behalf of many ATU local unions in the Eastern section of the United States. In addition he has been involved in State activities for the labor movement by serving as vice president of the Maryland State Federation, AFL-CIO, as well as a principal officer of the Washington Central Labor Council. His interests have gone beyond the labor movement, including active leadership in Group Health Association, and the development of transit health, welfare, and pension funds on the local level. As mentioned above, Mr. Bierwagen's principal activity has been in the legislative arena. In that role, he played an important part in the development of the Urban Mass Transportation Act of 1964 and its amendments, especially the requirements to protect employees, and in the development of similar legislation at the State level.

Robert A. Burco
Deputy Director
Oregon Department of Transportation
Salem, Oreg.

Mr. Burco has been active in the field of urban transportation policy research since 1967, performing studies for local and State governments and the Federal Government. Most recently he has headed his own consulting firm specializing in transportation and environment policy. Previously he was employed in a research capacity at the Stanford Research Institute and at Bell Telephone Laboratories. Mr. Burco received a B.S. and M.S. from Stanford University and a second master's degree from the University of California at Berkeley.

He has been involved professionally in the activities of the Transportation Research Board and has lectured widely on the subject of transportation. His clients have included a number of public interest groups, the California State Legislature, Office of the Mayor of Los Angeles, and the California Department of Transportation. He is familiar with transportation policy in Europe, Canada, and Japan, having worked on international assignments with the Organization for Economic Cooperation and Development in Paris. In September 1975, he joined the administration of Governor Straub as Deputy Director of the Oregon Department of Transportation.

Jeanne J. Fox
Associate Director, Research
Joint Center for Political Studies

Mrs. Fox has conducted research on transportation as a public policy issue since 1971. Prior to her present position, she was a consultant at Mark Battle Associates, and before that she was employed at the United States Information Agency.

She is a graduate of the University of Minnesota.

Mrs. Fox was the principal author of *Urban Transportation: Minority Mobility in the 70's (DC-RDG-12)*, prepared for UMTA, Civil Rights Division. She was one of two principal investigators and co authors for UMTA research which resulted in the following three reports:

Transportation for the Elderly and the Handicapped (DOT-UT-533), Marketing Techniques and the Mass Transit System (DOT-UT-533), Marketing Techniques and the Mass Transit System—A Handbook (DOT-UT-533).

She also wrote the "Public Transit in the Spotlight," *Focus*, 1974.

Lawrence A. Goldmuntz
President, Economics & Science Planning, Inc.
Washington, D.C.

Dr. Goldmuntz is a consultant and the present Visiting Professor of Engineering and Public Policy at Carnegie-Mellon University in Pittsburgh, Pa. Prior to his present positions, he worked in the Office of the Assistant Secretary of Transportation for Research and Technology and chaired the Metroliner Steering Committee, charged by the Secretary of Transportation to supervise the completion of the Northeast corridor Washington-New York high speed rail project. He also served as Executive Secretary of the Air Traffic Control Advisory Committee at DOT, as Assistant Director for Civilian Technology in the Office of Science and Technology of the Executive Office of the President, and as chairman of a committee for the Office of Science and Technology which reviewed the Cumulative Regulatory Effects on the Cost of Automotive Transportation (RECAT). Previously in private industry, he served as President of TRG Inc., a research and development organization involved in air traffic control and other electronic systems.

Dr. Goldmuntz is a graduate of Yale University where he received his B.E.E. (1947) and M.E.E. (1948) degrees and a Ph.D. (1950) in Applied Science.

Dorn C. McGrath, Jr.
Chairman, Department of Urban and Regional Planning
The George Washington University
Washington, D.C.

Professor McGrath has served as an advisor or consultant to a variety of agencies concerned with transportation and urban growth policy, including the House Committee on Public Works, the House Committee on Banking and Currency, the U.S. Commission on Population Growth and the American Future, the U.S. Aviation Advisory Commission, the Port of Oakland, and the North Central Texas Council of Governments. He is a member of the Environmental Studies Board of the National "Academy of Sciences and Chairman of the Environmental Advisory Board for the Chief of Army Engineers.

Professor McGrath is a graduate of Dartmouth College where he received his B.A. degree. He received his M.A. in City Planning from Harvard University.

He is a principal author of the National Academy of Sciences report, Jamaica Bay and Kennedy Airport, published in 1970, and has written numerous articles on transportation and related community development planning.

Bernard Oliver
Vice-President of Research and Member of the Board of Directors
Hewlett-Packard Company
Palo Alto, Calif.

Dr. Oliver previously worked on the development of automatic tracking radar, television transmission, information theory and efficient coding systems, as a member of the technical staff of the Bell Telephone Laboratory (New York) from 1940 to 1952. He joined Hewlett-Packard in 1952 as director of research and was appointed Vice-President of Research and Development in 1957. Presently, he is also a lecturer in electrical engineering at Stanford University and a member of the Science and Technology Advisory Committee to the California State Assembly. He recently served on a State senate panel investigating the safety aspects of the BART system.

Dr. Oliver is a 1935 graduate of Stanford University where he received his A.B. and M.S. degrees in electrical engineering. In 1940 he received his Ph.D. degree in electrical engineering from Cal Tech.

He is the author of numerous technical articles and holds over 50 U.S. patents in the field of electronics. He is a Fellow of the IRE and has served as vice president and later president of the IEEE.

Simon Reich
Supervising Engineer-Signals
Gibbs & Hill, Inc.
New York, New York

Mr. Reich took his present position in the Signals department, after serving in the Transportation and Systems departments of Gibbs & Hill. He has an extensive background in automatic train control (ATC). He has worked on the design of signaling and control systems and the technical coordination of the WMATA rail rapid transit system, including the ATC and communication functions. Prior to association with Gibbs & Hill, he was involved in the design of train control demonstration systems for the BART Concord test track, the CTA Lake Street Line, the CTS Airport Extension, and the MBTA South Shore Project-all while working for the General. Railway Signal Company. Other activities of Mr. Reich at GRS include the engineering for automatic train operation systems and train control research and development for rapid transit lines and railroads. These included projects on automatic train operation for the NYCTA 42d Street Shuttle, and a cab signaling system for the Netherlands State Railway, This work involved design of train-borne equipment and instrumentation to measure train performance.

Mr. Reich is a 1959 graduate of the Polytechnic Institute of Brooklyn where he also received a B.S. in Physics.

Frederick P. Salvucci
Secretary, Executive Office of Transportation and Construction
Commonwealth of Massachusetts
Boston, Mass.

Secretary Salvucci has been occupied, both professionally and personally, with the problems of urban planning and transportation in the Boston area since his formal training at the Massachusetts Institute of Technology. Prior to his appointment as Secretary, Mr. Salvucci held transportation and management jobs with the Boston municipal government and worked as a transportation planner for the Boston Redevelopment Authority,

Mr. Salvucci helped to organize and found Urban Planning Aid, an advocacy planning group established to provide technical and planning assistance to low-income and other community groups. He has also been active in the Greater Boston Committee on the Transportation Crisis, a public transportation advocacy group, the Massachusetts Air Pollution and Noise Abatement Committee, an organization concerned with promoting a shift from air to rail travel, and the East Boston Neighborhood Council,

Mr. Salvucci's formal training at M.I.T. concluded in 1962 with an M.S. in civil engineering. He was named Fulbright Scholar in the 1964-65 academic year.

Thomas Chapman Sutherland, Jr.
Assistant Dean, School of Architecture and Urban Planning
Princeton University
Princeton, N.J.

Dean Sutherland, prior to his present position, was Assistant Director, Office of Research and Project Administration at Princeton and before that, Assistant to the Chairman of Princeton's Department of Astrophysical Sciences. He has served as former Chairman of the South New Jersey Group of the Sierra Club, a Trustee of the Stony Brook-Millstone Watersheds Association, Vice Chairman of the Princeton Conservation Commission, and recently a member of the New Jersey Solid Waste Advisory Council. Dean Sutherland is presently Chairman of the University Environmental Advisory Committee and a member of the Gateway Citizens Committee.

He is a graduate of the United States Naval Academy. While in the Navy, he served in the submarine service and, as a staff member of the Navy's Office of Special Projects, worked on the development of the Polaris missile.

Dean Sutherland has authored numerous articles on conservation, ornithology, astronomy, and railroads. He is co author of the book, *The Way to Go: The Coming Revival of U.S. Rail Passenger Service* (Simon & Schuster), published in 1974. He is presently on the Board of Directors of the National Association of Railroad Passengers (NARP).

Stewart F. Taylor
Vice President & Director Mass Transportation
Sanders & Thomas, Inc.
Pottstown, Pa.

Mr. Taylor has been a consultant on transportation projects for public agencies at the Federal, State, and local level and for private corporations. Before becoming a consultant, he served with the former Pennsylvania Railroad in various staff and management positions. He was also Chairman of the 1975 National Conference on Light Rail Transit, jointly sponsored by the Urban Mass Transportation Administration, the National Research Council, the American Public Transit Association, and the University of Pennsylvania.

Mr. Taylor is a graduate of Yale University and Harvard Law School. He has authored numerous articles and papers on transportation. The most recent is entitled, "Urban Transportation—Another Alternative," published by the Heritage Foundation of Washington, D.C. His work has appeared, on several occasions, in the United States Congressional Record.