1985

DIRECTORY

TRB

TRANSPORTATION RESEARCH BOARD
NATIONAL RESEARCH COUNCIL

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1985 DIRECTORY

of the

TRANSPORTATION RESEARCH BOARD

Jewelene Gaskins, Editor

National Research Council
Washington, D.C.

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ORGANIZATION

The Transportation Research Board (TRB) is a unit of the National Research Council, which is the principal operating arm of the National Academy of Sciences (NAS) and the National Academy of Engineering.

The National Academy of Sciences was established by a congressional act of incorporation signed by President Abraham Lincoln on March 3, 1863, to further science and its use for the general welfare by bringing together the most qualified individuals to deal with scientific and technological problems of broad significance. It is a private, honorary organization of more than 1200 scientists elected on the basis of outstanding contributions to knowledge and is supported by private and public funds. Under the terms of its congressional charter, the Academy is called on to act as an official--yet independent--advisor to the federal government in any matter of science and technology, although it is not a government agency and its activities are not limited to those on behalf of the government.

The National Research Council was organized in 1916 at the request of President Woodrow Wilson as an agency of the National Academy of Sciences to enable the broad community of scientists and engineers to associate their efforts with those of the Academy membership. Members of the Council are appointed by the president of the Academy and are drawn from academic, industrial, and governmental organizations throughout the United States.

To share in the task of furthering science and engineering and of advising the federal government, the National Academy of Engineering was established on December 5, 1964. Its advisory activities are closely coordinated with those of the National Academy of Sciences, but it is independent and autonomous in its organization and election of members.

From its beginning in the early 1920s, the purposes of the Highway Research Board (now the Transportation Research Board) were to stimulate highway research, to correlate highway research, to make known the findings of highway research, and to undertake special highway research projects when appropriate. During the late 1960s, the Highway Research Board began to modify its scope to permit the development of a broader program encompassing consideration of nonhighway modes of transportation and the interactions of transportation with other aspects of society. Accordingly, the Board's name was changed in March 1974 to the Transportation Research Board, giving official recognition to the increased emphasis on a balanced approach to transportation problems. Thus, the purpose of the Transportation Research Board today is to advance knowledge concerning the nature and performance of transportation systems by stimulating research and disseminating the information derived therefrom.

Because its scope is designed to accommodate its modified purpose, the Board can give attention to all those factors pertinent to the understanding, design, and function of systems for the safe and efficient movement of people and goods, including

- The planning, design, construction, operation, safety, and maintenance of transportation facilities and their components;
- The economics, financing, and administration of transportation facilities and services; and
- The interaction of transportation systems with the physical, economic, and social environment that they are designed to serve.

The Board's program is carried out by some 270 committees, task forces, and panels composed of more than 3300 administrators, engineers, social scientists, attorneys, educators, and others concerned with transportation; they serve without compensation. The program is supported by state transportation and highway departments, the modal administrations of the U.S. Department of Transportation, the Association of American Railroads, the National Highway Traffic Safety Administration, and other organizations and individuals interested in the development of transportation.

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EXECUTIVE COMMITTEE

The policies and activities of the Transportation Research Board are determined and directed by its Executive Committee acting within the overall policies of the National Research Council. Executive Committee members are appointed with the approval of the chairman of the National Research Council. Eight members of the Executive Committee are ex officio and 23 members are individuals who are active in the areas of interest of TRB and who represent government, industry, and academia.

Chairman
John A. Clements, President, Highway Users Federation for Safety and Mobility

Vice Chairman
Lester A. Hoel, Chairman, Department of Civil Engineering, University of Virginia

Secretary
Thomas B. Deen, Executive Director, Transportation Research Board

Members
Ray A. Barnhart, Federal Highway Administrator (ex officio)
Joseph M. Clapp, Vice Chairman-Corporate Services, Senior Vice President, Roadway Services, Inc. (ex officio, Past Chairman, 1984)
Lawrence D. Dahms, Executive Director, Metropolitan Transportation Commission for the San Francisco Bay Area (ex officio, Past Chairman, 1983)
Donald D. Engen, Federal Aviation Administrator (ex officio)
Francis B. Francois, Executive Director, American Association of State Highway and Transportation Officials (ex officio)
William J. Harris, Jr., Vice President, Research and Test Department, Association of American Railroads (ex officio)
Ralph Stanley, Urban Mass Transportation Administrator (ex officio)
Diane Steed, National Highway Traffic Safety Administrator (ex officio)

Alan A. Altshuler, Dean, Graduate School of Public Administration, New York University (1988)
Duane Berentson, Secretary, Washington State Department of Transportation (1986)
John R. Borchert, Professor of Geography, University of Minnesota-Twin Cities (1986)
Robert D. Bugher, Executive Director, American Public Works Association (1988)
Ernest E. Dean, Executive Director, Dallas/Fort Worth Airport (1986)
Mortimer L. Downey, Deputy Executive Director for Capital Programs, Metropolitan Transportation Authority of New York (1987)
Jack R. Gilstrap, Executive Vice President, American Public Transit Association (1988)
Mark G. Goode, Engineer-Director, Texas State Department of Highways and Public Transportation (1986)
William K. Hellmann, Secretary, Maryland Department of Transportation (1988)
Lowell B. Jackson, Secretary, Wisconsin Department of Transportation (1986)
John B. Kemp, Secretary, Kansas Department of Transportation (1988)
Alan F. Kiepper, General Manager, Metropolitan Transit Authority of Houston (1987)
Harold C. King, Commissioner, Virginia Department of Highways and Transportation (1987)
Darrell V Manning, Adjutant General, Idaho National Guard (1986)
James E. Martin, President and Chief Operating Officer, Illinois Central Gulf Railroad (1988)
Fujio Matsuda, Executive Director, Research Corporation, University of Hawaii (1986)
James K. Mitchell, Professor and Chairman, Department of Civil Engineering, University of California, Berkeley (1986)
H. Carl Munson, Jr., Vice President for Strategic Planning, The Boeing Commercial Airplane Company (1987)
Milton Pikarsky, Distinguished Professor of Civil Engineering, City College of New York (1986)
Walter W. Simpson, Vice President-Engineering, Norfolk Southern Corporation (1986)
Leo J. Trombatore, Director, California Department of Transportation (1987)

SPECIAL COMMITTEES

Special committees report directly to the TRB Executive Committee.

SC001: COMMITTEE FOR NRC OVERSIGHT

Scope: The purposes of this committee are to ensure TRB conformity to National Research Council standards for objectivity, and that its activities are appropriate for the National Research Council. Its major functions are to monitor the TRB with respect to specially funded project committees and panel appointments, report review, and to deal with the biennial program plan and special project approvals required of the NRC Governing Board.

MILTON PIKARSKY,CHAIRMAN;JANICE W BAIN,TRB STAFF REPRESENTATIVE; JOHN R BORCHERT;JOHN A CLEMENTS;MARK G GOODE.

SC002: SPECIAL COMMITTEE ON AVIATION

Scope: This committee is concerned with all aspects of the aviation activities of TRB, including identification of new activity areas needing attention.

SC005: TRB EXECUTIVE COMMITTEE SUBCOMMITTEE ON POLICY REVIEW

Scope: The purposes and functions of this subcommittee are to: (1) advise the Executive Committee and staff on matters relating to selection, scope, and execution of policy oriented studies within TRB; (2) identify critical transportation issues for consideration by the Executive Committee; (3) advise the Assistant Director of Division B on goals and directions for Division B activities (this subcommittee replaces the Division B Council, which has been disbanded); (4) act for the Executive Committee with respect to decisions normally made by the Executive Committee on all policy study matters requiring attention between regular Executive Committeee meetings; (5) advise the Committee for NRC Oversight (CNO) of actions taken--especially those for which subsequent CNO action is required; and (6) report to the Executive Committee on all its activities at each Executive Committee meeting.

DARRELL V MANNING,CHAIRMAN;DAMIAN J KULASH,TRB STAFF REPRESENTATIVE; JOSE A GOMEZ-IBANEZ;WILLIAM J HARRIS JR;LESTER A HOEL;LOWELL B JACKSON H CARL MUNSON JR;MILTON PIKARSKY;WILLIAM K SMITH;CLYDE E WOODLE JR.

D0000: TRB EXECUTIVE COMMITTEE SUBCOMMITTEE FOR THE NCHRP

Scope: Advise on all matters relating to policies and procedures required for the planning and administration of the National Cooperative Highway Research Program, including the acceptability of problems referred by the American Association of State Highway

and Transportation Officials (AASHTO) to the Academy for administration.

JOHN A CLEMENTS,CHAIRMAN;THOMAS B DEEN,SECRETARY;RAY A BARNHART; JOSEPH M CLAPP(EX OFFICIO);FRANCIS B FRANCOIS;LESTER A HOEL.

D3000: TRB EXECUTIVE COMMITTEE SUBCOMMITTEE FOR THE NCTRP

Scope: This subcommittee will advise on all matters relating to policies and procedures required for the planning and administration of the National Cooperative Transit Research and Development Program, including the acceptability of problems referred by the Urban Mass Transportation Administration to the Academy for administration.

JOHN A CLEMENTS,CHAIRMAN;THOMAS B DEEN,SECRETARY;JOSEPH M CLAPP (EX OFFICIO);LAWRENCE D DAHMS;JACK R GILSTRAP;WILLIAM J HARRIS JR; LESTER A HOEL;RALPH STANLEY.

CHAIRMEN OF THE EXECUTIVE COMMITTEE, DIRECTORS, AND ASSISTANT DIRECTORS

Since November 11, 1920, when the Advisory Board on Highway Research (4 years later named the Highway Research Board) was created, the following persons have served as chairmen of the Executive Committee, directors, and assistant directors.

Year	Chairman	Director	Assistant Director
1920	Anson Marston	Alfred D. Flinn	
1921	Anson Marston	Alfred D. Flinn	
1922	Anson Marston	W.K. Hatt	
1923	A.N. Johnson	W.K. Hatt	E.R. Olbrich
1924	A.N. Johnson	Charles M. Upham	H.F. Janda
1925	A.N. Johnson	Charles M. Upham	H.F. Janda
1926	A.N. Johnson	Charles M. Upham	S.S. Steinberg
1927	Thomas R. Agg	Charles M. Upham	S.S. Steinberg
1928	Frank H. Eno	Roy W. Crum	
1929	Frank H. Eno	Roy W. Crum	
1930	H.S. Mattimore	Roy W. Crum	
1931	H.S. Mattimore	Roy W. Crum	
1932	George E. Hamlin	Roy W. Crum	
1933	George E. Hamlin	Roy W. Crum	
1934	Albert T. Goldbeck	Roy W. Crum	
1935	Albert T. Goldbeck	Roy W. Crum	
1936	H.C. Dickinson	Roy W. Crum	
1937	H.C. Dickinson	Roy W. Crum	
1938	Burton W. Marsh	Roy W. Crum	
1939	Burton W. Marsh	Roy W. Crum	
1940	W.W. Mack	Roy W. Crum	
1941	W.W. Mack	Roy W. Crum	Fred Burggraf
1942	Fred C. Lang	Roy W. Crum	Fred Burggraf
1943	Fred C. Lang	Roy W. Crum	Fred Burggraf
1944	Stanton Walker	Roy W. Crum	Fred Burggraf
1945	Stanton Walker	Roy W. Crum	Fred Burggraf
1946	Roger L. Morrison	Roy W. Crum	Fred Burggraf
1947	Roger L. Morrison	Roy W. Crum	Fred Burggraf
1948	F.V. Reagel	Roy W. Crum	Fred Burggraf
1949	F.V. Reagel	Roy W. Crum	Fred Burggraf
1950	Ralph A. Moyer	Roy W. Crum	Fred Burggraf
1951	Ralph A. Moyer	Fred Burggraf	
1952	R.H. Baldock	Fred Burggraf	
1953	R.H. Baldock	Fred Burggraf	
1954	Walter H. Root G. Donald Kennedy	Fred Burggraf	Elmer M. Ward
1955	G. Donald Kennedy	Fred Burggraf	Elmer M. Ward
1956	Kenneth B. Woods	Fred Burggraf	Elmer M. Ward
1957	Rex M. Whitton	Fred Burggraf	Elmer M. Ward
1958	Charles H. Scholer	Fred Burggraf	Elmer M. Ward
1959	Harmer E. Davis	Fred Burggraf	Elmer M. Ward
1960	Pyke Johnson	Fred Burggraf	Elmer M. Ward
1961	W.A. Bugge	Fred Burggraf	Elmer M. Ward
1962	R.R. Bartelsmeyer	Fred Burggraf	W.N. Carey, Jr.
1963	C.D. Curtiss	Fred Burggraf	W.N. Carey, Jr.

1964	Wilbur S. Smith	D. Grant Mickle	W.N. Carey, Jr.
1965	Donald S. Berry	D. Grant Mickle	W.N. Carey, Jr.
1966	J. Burch McMorran	D. Grant Mickle	W.N. Carey, Jr.
1967	Edward G. Wetzel	W.N. Carey, Jr.	James C. Allen, Roy C. Edgerton, Paul E. Irick, William A. Goodwin
1968	David H. Stevens	W.N. Carey, Jr.	James C. Allen, Roy C. Edgerton, Paul E. Irick, Krieger W. Henderson, Jr.
1969	Oscar T. Marzke	W.N. Carey, Jr.	James C. Allen, Roy C. Edgerton, Paul E. Irick, Krieger W. Henderson, Jr.
1970	D. Grant Mickle	W.N. Carey, Jr.	James C. Allen, Roy C. Edgerton, Paul E. Irick, Krieger W. Henderson, Jr.
1971	Charles E. Shumate	W.N. Carey, Jr.	James C. Allen, Roy C. Edgerton, Paul E. Irick, Krieger W. Henderson, Jr.
1972	Alan M. Voorhees	W.N. Carey, Jr.	James C. Allen, Roy C. Edgerton, Paul E. Irick, Krieger W. Henderson, Jr.
1973	William L. Garrison	W.N. Carey, Jr.	James C. Allen, Roy C. Edgerton, Paul E. Irick, Krieger W. Henderson, Jr.
1974	Jay W. Brown	W.N. Carey, Jr.	Edward C. Squires, Roy C. Edgerton, Paul E. Irick, Krieger W. Henderson, Jr.
1975	Milton Pikarsky	W.N. Carey, Jr.	Edward C. Squires, Roy C. Edgerton, Paul E. Irick, Krieger W. Henderson, Jr.
1976	Harold L. Michael	W.N. Carey, Jr.	Edward C. Squires, Roy C. Edgerton, Paul E. Irick, Krieger W. Henderson, Jr.
1977	Robert N. Hunter	W.N. Carey, Jr.	Edward C. Squires, Roy C. Edgerton, Paul E. Irick, Krieger W. Henderson, Jr.
1978	A. Scheffer Lang	W.N. Carey, Jr.	Edward C. Squires, Roy C. Edgerton, Paul E. Irick, Krieger W. Henderson, Jr.
1979	Peter G. Koltnow	W.N. Carey, Jr.	Edward C. Squires, Kenneth B. Johns, Paul E. Irick, Krieger W. Henderson, Jr.
1980	Charley V. Wootan	Thomas B. Deen	Edward C. Squires, Kenneth B. Johns, Paul E. Irick, Krieger W. Henderson, Jr.
1981	Thomas D. Larson	Thomas B. Deen	Edward C. Squires, Kenneth B. Johns, Paul E. Irick, Krieger W. Henderson, Jr.
1982	Darrell V Manning	Thomas B. Deen	Edward C. Squires, Kenneth B. Johns, Paul E. Irick, Krieger W. Henderson, Jr.
1983	Lawrence D. Dahms	Thomas B. Deen	Edward C. Squires, Kenneth B. Johns, Damian J. Kulash, Krieger W. Henderson, Jr.
1984	Joseph M. Clapp	Thomas B. Deen	Edward C. Squires, Kenneth B. Johns, Damian J. Kulash, Krieger W. Henderson, Jr.
1985	John A. Clements	Thomas B. Deen	Edward C. Squires, Kenneth B. Johns, Damian J. Kulash, Robert J. Reilly

STAFF

The TRB staff is organized into four divisions. The organization and staff responsibilities are shown in Figure 1.

The name and telephone number of each staff member are given below. For all telephone numbers, the area code is 202, and the prefix is 334.

EXECUTIVE OFFICE, Room 504

Executive Director, Thomas B. Deen	2936
Administrative Assistant, Jaroslava P. Kushnir	2936
Program Review Coordinator, Janice W. Bain	2959
Committee Appointments Coordinator, Jewelene Gaskins	2958
Receptionist/Office Assistant, Natalie Thornton	2934

ADMINISTRATIVE DIVISION, Room 504

Assistant Director, Edward C. Squires	2944
Administrative Assistant, Suzanne B. Gell	2944

Business Office, Room 526

Administrative Supervisor, Walter C. Humphrey	3218
Associate Affiliation Coordinator, Karen R. Rawls	3218
State Membership Coordinator, Marian E. Strieby	3218
Billing Clerk, Sue Dawson	3218
Billing Clerk, Shermaine Jamison	3218

Editorial and Production Office, Room 516

Publications Manager, Nancy A. Ackerman	2972
Secretary, Nancy B. Sorrell	2972
Associate Editor, Edythe Traylor Crump	2972
Assistant Editor, Elizabeth W. Kaplan	2972
Assistant Editor, Naomi C. Kassabian	2972
Assistant Editor, Julia Withers	2972
Copy Editor, Catherine Nizharadze	2972
Proofreader, vacant	2972
Production Manager, Phyllis D. Barber	2972
Art Production Specialist, Betty L. Hawkins	2972
Art Layout Specialist, Theresa L. Johnson	2972
Lead Compositor, Marion L. Ross	2972
Lead Compositor, Joan G. Zubal	2972
Senior Compositor, Harlow A. Bickford	2972
Compositor, Lucinda Reeder	2972

REGULAR TECHNICAL ACTIVITIES DIVISION, Room 504

Assistant Director, Kenneth B. Johns	2935
Administrative Secretary, Ethel M. Alford	2935
Conference Manager, Marilou Damon	2934
Secretary, Mary G. Mulvihill	3205
Transportation Economist, Kenneth E. Cook	2937
Engineer of Public Transportation, W. Campbell Graeub	2966
Secretary to Mr. Cook and Mr. Graeub, Stephanie Trowell	2966
Transportation Planner, James A. Scott	2965
Environmental Specialist, Stephen E. Blake	2965
Secretary to Mr. Scott and Mr. Blake, Theresa E. Pinkard	2965
Engineer of Design, George W. Ring III	2950
Engineer of Maintenance, Adrian G. Clary	3220
Secretary to Mr. Ring and Mr. Clary, Linda Whitcomb	2950
Engineer of Soils, Geology, and Foundations, Neil F. Hawks	2957
Engineer of Materials and Construction, William G. Gunderman	2952
Secretary to Mr. Hawks and Mr. Gunderman, vacant	2952

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Engineer of Traffic and Operations, David K. Witheford 2961
Transportation Safety Coordinator, James K. Williams 2960
Secretary to Mr. Witheford and Mr. Williams, Janis R. Hepburn 2960
Counsel for Legal Research, vacant 3205
Air Transport Specialist, vacant 3206
Rail Transport Specialist, Edward J. Ward 3206
Secretary to Air and Rail Transport Specialists, Adrian Wilson 3206

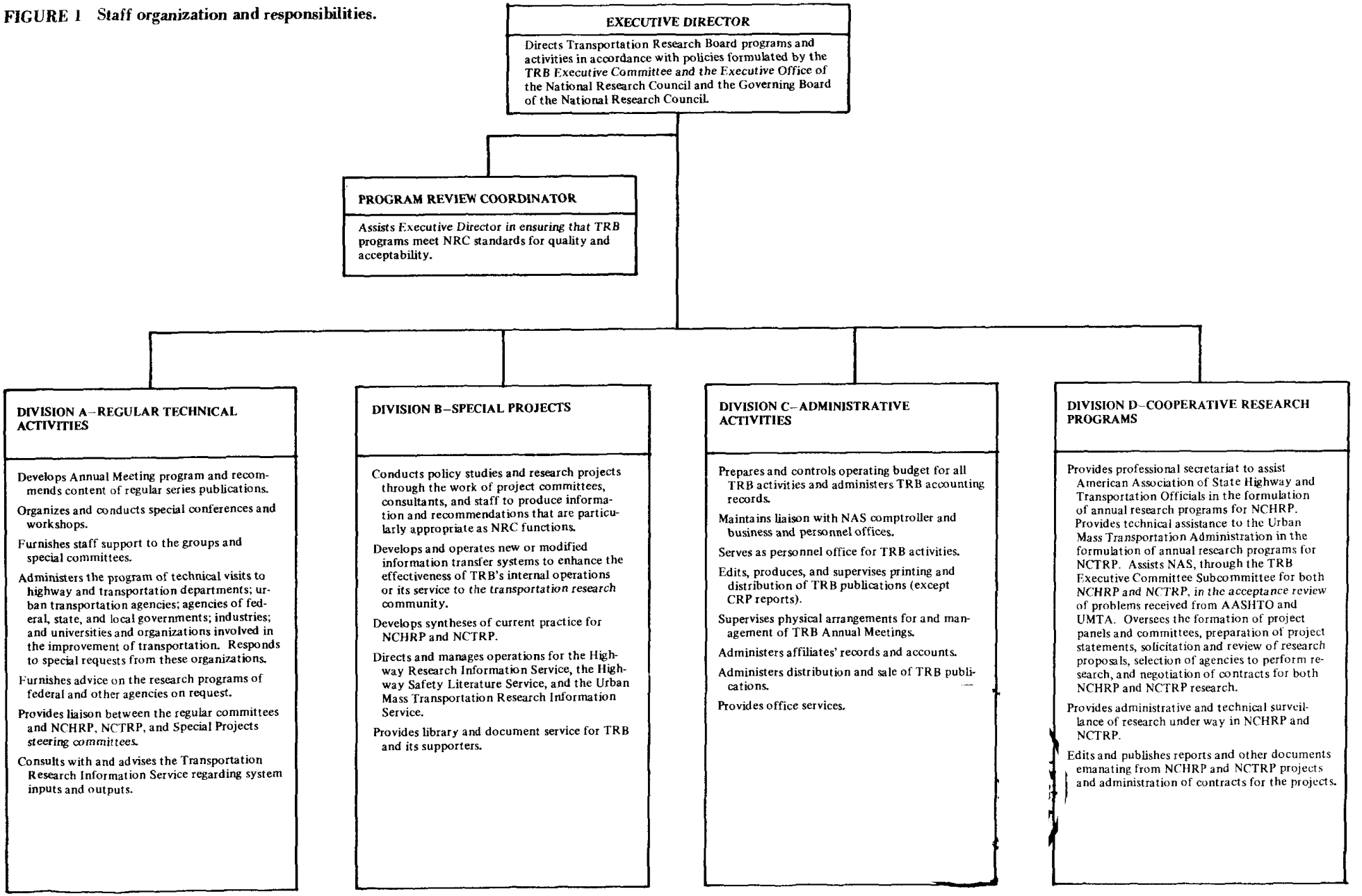
SPECIAL PROJECTS DIVISION, Room 538

Assistant Director, Damian J. Kulash 3255
Administrative Secretary, Margaret M. Sheriff 3255
Secretary, Lori Weaver 3255
Program Manager, Stephen R. Godwin 3255
Program Manager, Robert E. Skinner, Jr. 3255
Program Manager, Joseph R. Morris 3255
Research Associate, Richard A. Margiotta 3255
Manager, Highway Research Information Service, Arthur B. Mobley 3250
Information Specialist, Curtis A. Antos 3251
Information Specialist, Nancy L. Dagenhart 3251
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Abstractor/Indexer, Charles E. Hemming 2997
Documentation Section Supervisor, Shirley A. Morin 2947
Senior Information Technician, Sandra McDowell 2998
Information Technician, Frank Swim 2998
Data Entry Operator, Glenda Y. Clark 2991
Data Entry Operator, Mary L. Bryant 2994
File Clerk, Thu Minh Le 2993
Computer Operations Coordinator, Robert B. Damon 3429
Acting Manager, Urban Mass Transportation Research Information Service, Suzanne D. Crowther 3256
Information Services Consultant, Fred N. Houser, Jr. 3256
Secretary, vacant 3256
Special Projects Engineer, Thomas L. Copas 3242
Special Projects Engineer, Herbert A. Pennock 3243
Assistant Editor, Virginia A. Shipman 3243
Secretary, Emma Littlejohn 3242
Librarian, Lisbeth L. Luke 2989
Assistant Librarian, Barbara L. Post 2989
Information Clerk, Deborah Wee 2989

COOPERATIVE RESEARCH PROGRAMS DIVISION, Room 528

Assistant Director, Robert J. Reilly 3224
Deputy Assistant Director, Robert E. Spicher 3224
Administrative Secretary, Joanne T. Robinson 3224
NCTRP Secretary, Rosa P. Allen 3224
Administrative Engineer, Louis M. MacGregor 3224
Secretary, Susie A. Sweet 3224
Office Assistant/Receptionist, vacant 3224
Clerk/Messenger, Terry Lee Douglas 3224
Projects Engineer, R. Ian Kingham 3224
Secretary, Rosa P. Allen 3224
Projects Engineer, Crawford F. Jencks 3224
Projects Engineer, Harry A. Smith 3224
Secretary to Mr. Jencks and Mr. Smith, Sybil Paige 3224
Projects Engineer, Ian M. Friedland 3224
Secretary, Barbara J. Ruffin 3224
Editor, Helen Mack 3224

FIGURE 1 Staff organization and responsibilities.



DIVISION A–REGULAR TECHNICAL ACTIVITIES

The activities of Division A are conducted in the five numbered groups shown in Figure 2. The areas of responsibility of the numbered groups are indicated by their titles. Group 4, Legal Resources, has the dual function of dealing with subjects of primary interest to the legal profession and arranging for the involvement of attorneys in other activities throughout the Transportation Research Board where their specialized knowledge and experience are required. Group 5 is made up of committees and task forces that deal with subjects of interest to the other four groups.

The Division A Council ensures adequate coverage of subject matter, particularly when the interests of two or more groups are involved, and reviews general programs. The Group Councils exercise control over their subordinate elements.

In general, the standing committees in Division A have similar purposes, the difference being in their scope as given with the committee rosters in the following pages. The standing committees

Provide for a mutual exchange of information among the committee and task force members on socioeconomic and technological developments,
Identify research needs,
Stimulate needed research,
Advise on research priorities and procedures,
Evaluate and interpret research findings,
Review papers for TRB meetings and publications,
Encourage the adoption of appropriate research findings into practice, and
Arrange special programs, conferences, and workshops.

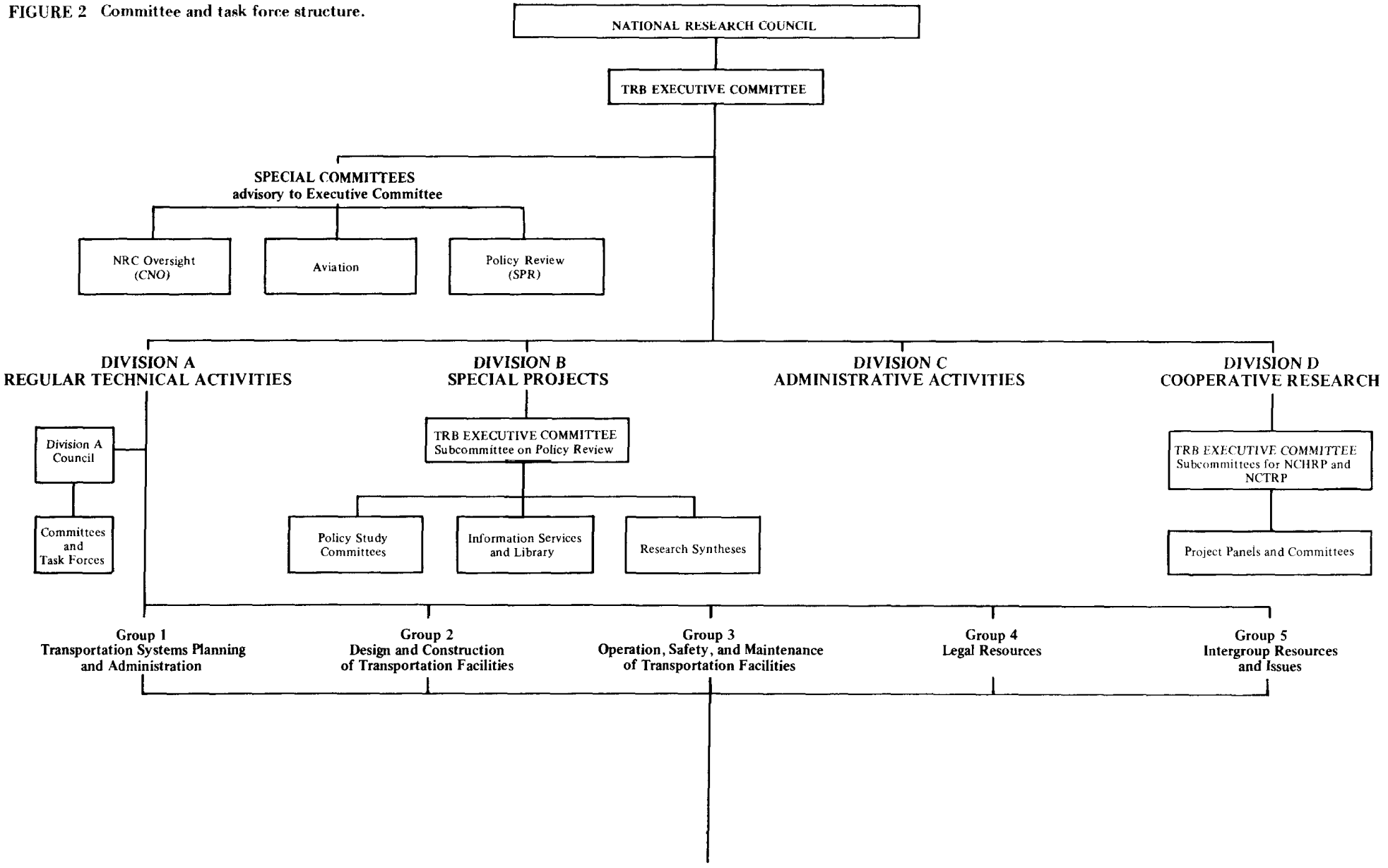
A few committees that have other functions show these variations in their scope statements. Task forces differ from standing committees in that they are appointed to accomplish assigned tasks within specific periods of time.

When a group is subdivided into sections, the scope of each section may be considered to be a composite of the scope of its committees.

A0000: DIVISION A COUNCIL

LESTER A HOEL, CHAIRMAN; KENNETH B JOHNS, TRB STAFF REPRESENTATIVE; WATSON C ARNOLD; WILLIAM A BULLEY; DAVID S GEDNEY; WM CAMPBELL GRAEUB (EX OFFICIO); NEIL F HAWKS (EX OFFICIO); D E ORNE; JAMES A SCOTT (EX OFFICIO); JAMES K WILLIAMS (EX OFFICIO); CHARLEY V WOOTAN.

FIGURE 2 Committee and task force structure.



GROUP 1-TRANSPORTATION SYSTEMS PLANNING AND ADMINISTRATION

Figure 3 shows the sections, committees, task forces, and steering committees that function within Group 1.

A1000: GROUP 1 COUNCIL

WILLIAM A BULLEY, CHAIRMAN; WM CAMPBELL GRAEUB, TRB STAFF REPRESENTATIVE
W BRUCE ALLEN; PETER BENJAMIN; R P BRAUN; RAYMOND J COLANDUONI;
CARMEN DIFIGLIO; GORDON J FIELDING; JOHN J FRUIN; ALBERT A GRANT;
KEVIN E HEANUE; HARVEY R JOYNER; JACK KINSTLINGER; PAUL R LOWRY;
DANIEL F MALICK; JAMES T MCQUEEN; JAMES E READING; BILLY ROSE;
HARVEY B SAFEER; JOSEPH L SCHOFER; KENNETH W SHIATTE; WILLIAM M SPREITZER
EDWARD WEINER.

A1A00: SECTION A - MANAGEMENT AND FINANCE — RAYMOND J. COLANDUONI, CHAIRMAN

A1A01: TAXATION, FINANCE AND PRICING

Scope: Financial planning and financing necessary to meet transportation needs of all modes, including sources of revenue, allocation of costs among users and nonusers, pricing policies, needs studies, economic and social effects of taxes and subsidy programs, intergovernmental financial arrangements and responsibilities for transportation, and accounting and fiscal management of transportation funds.

HOWARD YERUSALIM, CHAIRMAN; KENNETH E COOK, TRB STAFF REPRESENTATIVE;
KIRAN BHATT; THOMAS W BRADSHAW JR; KENNETH JOHN BUTTON; DAVID G CAMPBELL
CHARLES A CHAMBERS; THOMAS W COOPER; LAWRENCE D DAHMS; JOSEPH F DOLAN;
RALPH C ERICKSON; DAVID J FORKENBROCK; CHRIS T HENDRICKSON; LOYD R HENION
ANTHONY R KANE; ALICE E KIDDER; MICHAEL J MARKOW; LANCE A NEUMANN;
KANT RAO; HARRY A REED; STEVEN M ROCK; JAMES GEORGE SAKLAS;
GAIL GARFIELD SCHWARTZ; RICHARD H SHACKSON; PATSY LEE THOMASSON.

A1A02: MANPOWER MANAGEMENT AND PRODUCTIVITY

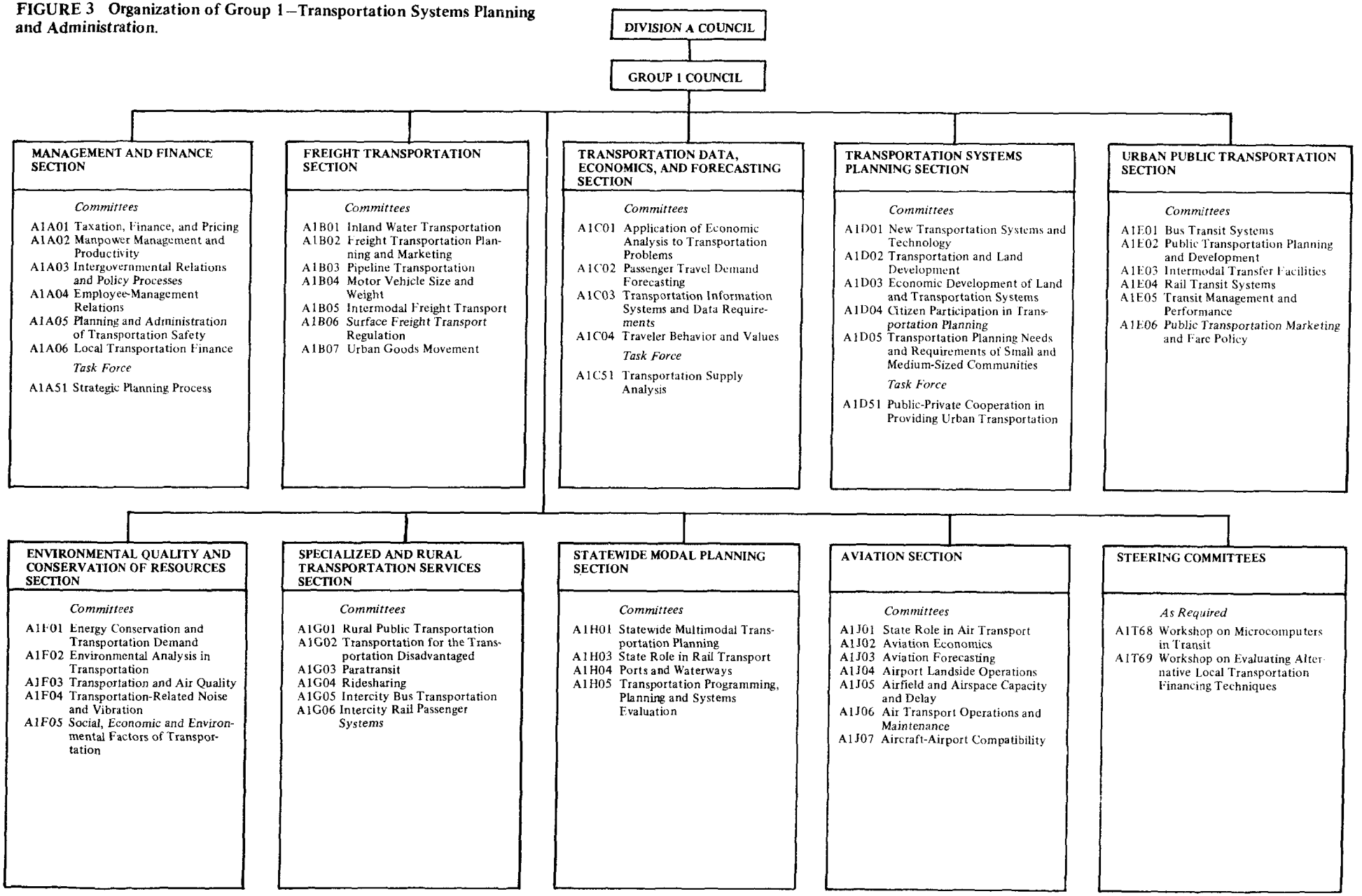
Scope: The committee will consider factors that affect transportation organization and management through manpower planning and development and through improvements in manpower productivity.

CRAIG MILLER, CHAIRMAN; KENNETH S CUCCHIARO, SECRETARY; KENNETH E COOK,
TRB STAFF REPRESENTATIVE; CHESTER J ANDRES; GEORGE CALVERT;
GRANT S FAIRBANKS; ROBERT S HAYNES; DOUGLAS L JONAS; BILLY M MCCALL;
CHARLES T MORISON JR; WILLIAM R MOYER; MARVIN E MUNDEL; SUBHASH R MUNDLE
CONSTANCE PERIN; PAUL E PYSZ; DAVID A SCHRIER; JAY A SMITH JR;
ELDEN G SPIER; GERALD F TESSMAN; ANTHONY R TOMAZINIS; SHARON S WRIGHT.

A1A03: INTERGOVERNMENTAL RELATIONS AND POLICY PROCESSES

Scope: The committee will be concerned with the relationships and interactive processes of various governmental units -- federal, state and local -- with regard to the development, planning, administration, coordination, and implementation of transportation policies, plans and programs. Policy development includes the process by which policies are made, and the identification of governmental, public, and private sector roles in this process.

FIGURE 3 Organization of Group 1—Transportation Systems Planning and Administration.



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