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1st Session }

JOINT COMMITTEE PRINT

A DIRECTORY  
OF URBAN RESEARCH STUDY CENTERS

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MATERIALS PREPARED BY THE COMMITTEE STAFF  
FOR THE  
SUBCOMMITTEE ON URBAN AFFAIRS  
OF THE  
JOINT ECONOMIC COMMITTEE  
CONGRESS OF THE UNITED STATES



AUGUST 1967

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## LETTERS OF TRANSMITTAL

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CONGRESS OF THE UNITED STATES  
JOINT ECONOMIC COMMITTEE

August 14, 1967.

Hon. WILLIAM PROXMIRE,  
*Chairman, Joint Economic Committee,  
U.S. Congress, Washington, D.C.*

DEAR MR. CHAIRMAN: Transmitted herewith for the use of the members of the Joint Economic Committee and others interested in urban affairs is a staff document prepared for the Subcommittee on Urban Affairs entitled "A Directory of Urban Research Study Centers."

The study was prepared under the general supervision of James W. Knowles, Director of Research, with major responsibility for organizing and editing the materials being carried by Miss Brenda Ratcliffe, a staff member.

Every effort was made by the staff to present an accurate and fair description of each study center and to include all interest in this field; but nothing in these descriptions nor omission of any agency should be taken to represent a judgment of the subcommittee or the staff of the merits of any organization.

RICHARD BOLLING,  
*Subcommittee on Urban Affairs.*

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CONGRESS OF THE UNITED STATES,  
JOINT ECONOMIC COMMITTEE

August 11, 1967.

Hon. RICHARD BOLLING,  
*Chairman, Subcommittee on Urban Affairs, Joint Economic Committee,  
U.S. Congress, Washington, D.C.*

DEAR MR. CHAIRMAN: Transmitted herewith is a staff document prepared for the Subcommittee on Urban Affairs entitled "A Directory of Urban Research Study Centers." This is intended to provide the subcommittee and others interested in urban affairs with descriptions of the activities and staff of the research centers specializing in this field. We have tried to make this document as complete as possible, but it is possible we have missed some organization that should have been included. As the preface makes clear, we have also deliberately excluded certain institutions.

These materials were prepared by Miss Brenda Ratcliffe of the subcommittee staff under the general supervision of Mr. Richard Kaufman, staff economist, and I have reviewed both the original design and the final document.

JAMES W. KNOWLES,  
*Director of Research.*

## PREFACE

This directory of urban research study centers has been assembled by the Subcommittee on Urban Affairs of the Joint Economic Committee in an effort to provide information on the activities of the variety of centers engaged in urban studies. Their activities cover a broad spectrum within the field from the study of urban politics, social and economic problems, and land-use planning to specialized technical problems such as water resources, waste disposal, and transportation design.

Because a large university may maintain several bureaus or institutes involved in urban affairs, the list of centers was organized under the names of the universities, but an index of the universities by State has been provided so that those desiring information about a particular region may contact the universities in the area. For compilation of its list of centers, the subcommittee drew upon lists prepared by the Science Information Exchange, a subsidiary of the Smithsonian Institution; Urban Affairs Quarterly; and the Department of Housing and Urban Development. The information for the profiles was supplied by the centers themselves in response to requests from the subcommittee. As a result, the directory has necessarily been limited to those centers of which the subcommittee had knowledge and, further, to those which provided information in response to its request.

It is expected that the directory will be expanded and revised in the future. The subcommittee would appreciate a description of the interests, current and past projects, including publications, and a list of professional staff and their specialties from any centers inadvertently omitted from the present edition. The subcommittee hopes that those centers which have been included will continue to provide information on recent projects and changes in staff so that their profiles can be continuously updated.

Two types of organizations have been included in the directory: university-sponsored study centers and nonprofit research institutes. The university centers may sponsor research themselves or undertake it by contract. Some have stipulated obligations from their State legislatures to assist municipal and State officials in solving their problems. The nonprofit organizations, as a group, undertake research predominantly by contract. Their origins often lie in nearby universities, but their staffs are distinct from the university faculties.

The directory has omitted professional consulting firms from its profiles. Lists of such firms are available from the professional societies themselves. These include the American Institute of Planners, 915 15th Street NW., Washington, D.C.; the American Institute of Architects, 1735 New York Avenue NW., Washington, D.C.; the National Association of Housing & Redevelopment Officials, 1413 K Street NW., Washington, D.C.; and the American Economic Association, 1629 Noyes Street, Evanston, Ill. The directory has also excluded those more general organizations, like the Twentieth Century Fund, the Center for Study of Democratic Institutions, and the Council on Economic Development, which sponsor research in urban affairs along with other research but which depend on personnel outside their own staffs for the projects.

A list of current research activities, excluding completed research projects, is maintained by the Science Information Exchange, 1730 M Street NW., Washington, D.C. The name and address of others working within the same area and on similar topics are available to researchers upon request to that organization.

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## A Directory of Urban Research Study Centers

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ADVISORY COMMISSION ON INTERGOVERNMENTAL RELATIONS  
1800 G Street NW.  
Washington, D.C. 20575

The Advisory Commission on Intergovernmental Relations is composed of a select number of Members of the U.S. House of Representatives and the Senate, Cabinet members from the executive branch, Governors, mayors, members of State legislatures, elected county officials, as well as private citizens who undertake to investigate problems in intergovernmental relations. Research is carried on with the help of consultants who are specialists in their fields and a small permanent staff. Findings and recommendations of the Commission are reported to the President and to the House and Senate Intergovernmental Relations Subcommittees. Current research by the Commission in urban affairs includes a study of fiscal federalism, of which part will focus exclusively on the fiscal problems of the metropolis, and a "new towns" study.

WILLIAM G. COLMAN, *Director*.

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BUREAU OF GOVERNMENT RESEARCH,  
ARIZONA STATE UNIVERSITY  
Tempe, Ariz.

The Bureau of Government Research is a research and service agency of Arizona State University which is closely related to the Department of Political Science in the College of Liberal Arts. The activities of the Bureau are concentrated primarily in three areas: (1) education; (2) research and publication; and (3) public service.

I. Education: The Bureau cooperates closely with the Department of Political Science in offering courses in State and local government and public administration. Of special interest to the Bureau is the master of public administration degree, which prepares students for employment in administrative positions in National, State, and local government. An important part of the MPA program is the serving of an internship in a governmental agency. The Bureau also serves as an intermediary between the university and governmental agencies in arranging such internship programs.

II. Research and publication: As the name of the Bureau implies, research is one of its major functions. The Bureau sponsors research, dealing primarily with problems of State and local governments in

Arizona. Research findings are published in the Bureau's quarterly, Public Affairs Bulletin, and in frequent monographs. The Bureau has recently published "Urban Politics in the Southwest," a description of politics in 11 cities of the Southwest.

III. Community service: The Bureau is actively engaged in public service activities throughout the year. The Bureau sponsors an annual Finance and Accounting Officers Institute, cosponsors the annual Institute for New Mayors and Councilmen, and works closely with the League of Arizona Cities and Towns, the Arizona City Managers Association, and similar organizations.

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LEONARD E. GOODALL, *Director*  
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 GABRIEL M. LUCIO  
 CIPIRANO J. MANUEL

---

CENTER FOR THE STUDY OF URBAN SYSTEMS  
 ARIZONA STATE UNIVERSITY  
 Tempe, Ariz.

The Center for the Study of Urban Systems, which was established in 1966, is organized on an intercollegiate, interdepartmental basis. The purpose of the Center is to stimulate and facilitate the continued involvement of Arizona State University in the study of urban affairs and urban problems. This concern encompasses both research and community educational services on problems of urban development. The Center's research has concentrated upon the improvement of the data base for continuing studies, and with methodological problems. In its first year of operation the Center has developed an urban information system using as a basis the data and procedures of the county assessor's office.

WILLIAM S. PETERS, *Director*.

---

INSTITUTE OF HUMAN SCIENCES  
 BOSTON COLLEGE  
 Chestnut Hill, Mass. 02167

The Institute of Human Sciences, which was established in 1964, is designed to focus on the human and social problems associated with urbanization, technological change, and related aspects of contemporary social development. The Institute engages scholars from the various disciplines of the social sciences as participants in common

enterprises merging the viewpoints of the various social sciences. It is consciously problem-oriented rather than discipline-oriented in its work in research, demonstration, and training.

Among the Institute's projects is the development of an urban laboratory which will enable researchers to participate in one or more large-scale, continuous research efforts. Because data collection may extend beyond the time commitment of any particular scholar, the Institute expects to rely upon its computer resources for storage of the information.

Specific research projects by members of the Institute have included a study of racial imbalance in the Boston Public Schools; a study of the effects of rural-to-urban movement on social status and functional effectiveness in a Negro population; experiments on reciprocity in negotiations; and an effort to formulate decision rules for use by governmental bodies in allocation of funds which will focus on urban investment.

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RICHARD L. NUTTALL, Psychology

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CENTER FOR REAL ESTATE AND URBAN ECONOMICS  
INSTITUTE OF URBAN AND REGIONAL DEVELOPMENT  
UNIVERSITY OF CALIFORNIA  
260 Stephens Memorial Hall  
Berkeley, Calif. 94720

Since its establishment in 1963, the Center for Research in Real Estate and Urban Economics at Berkeley has concentrated its energies on four major areas of research: investment analysis and improvement of real estate investment procedures; problems of location for residential, commercial, and industrial uses; urban renewal and the public market; and several problems of market and demand analysis. The orientation of studies both in the Berkeley program and in its ULCA counterpart, the Real Estate Research Program, is economic. For much of the research of the Center the surrounding San Francisco Bay area and the State of California serve as laboratories, though studies of a national scope, such as the construction of an econometric model to explain why urban land values vary from city to city in the United States, are also undertaken.

Among topics of recent publications from the Center are an examination of why institutions such as insurance companies, colleges and

universities, and corporate pension funds often are more reluctant to invest in real estate than other forms of investment; a study of investment in low-rise speculative apartments; an analysis of the effects of changes in credit on the rate of housing starts; an article on the "new town" movement in California and its probable impact on the home-building industry of the state. As part of its effort to provide information to those working in real estate, the Center publishes the "California Real Estate Bookshelf," a bibliography of literature in real estate and allied fields, and a newsletter, as well as distributing news releases to media both within and outside of the State. A significant activity of community service has been the development of an econometric model of the bay area for use in analyzing the probable impacts on land utilization of major public and private developments such as large-scale urban renewal, fluctuations in industrial employment, and public improvements in transportation.

#### STAFF

PAUL F. WENDT, *Chairman*  
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INSTITUTE OF GOVERNMENTAL STUDIES  
 UNIVERSITY OF CALIFORNIA  
 Bernard Moses Hall  
 Berkeley, Calif. 94720

The Institute of Governmental Studies, formerly the Bureau of Public Administration, belongs to a general class of service research institutes. Historically a very large part of the Institute's resources went into service research. Though service research continues, it is at a diminished rate. The reasons for the relative decline of service research lie in the growth of information and research services within the governmental agencies.

A large part of the resources of the Institute are focused upon public policy research. Its distinguishing characteristics are that it is (a) directed toward an emerging or prominent problem of public policy; (b) is directed toward all or some part of the wide spectrum of decision-makers, including private citizens and organizations as well as officials and government agencies; and (c) has as its objective a contribution to informed discussion of the issues and the "wisest" decisions possible. Examples of public policy research activities are the monographs resulting from the Franklin K. Lane projects. The initial effort of the first Lane project concentrated on studies of bay area problems. Among its published monographs were "City and Regional Planning for the Metropolitan San Francisco Bay Area," "Urban Transportation in the San Francisco Bay Area," "Housing and the Future of Cities in the San Francisco Bay Area," and "Implementing a Plan for the San Francisco Bay Area: An Analysis of Legal Problems." The second Lane project will be comparative studies of planning and urban growth. Each of the participating authors has been asked to discuss

the political, social, and economic aspects of urban growth in the metropolitan region for which he is responsible, and to consider the importance of the national institutional context within which it is set. Metropolitan regions within the United States include Dade County (Miami), the Los Angeles region, Minneapolis-St. Paul, the New York region, San Francisco Bay area, and the Philadelphia region. Outside the U.S., metropolitan areas described will include, among others, Bogotá, London, Paris, Tokyo, and Stockholm. Following the individual monographs will come several comparative papers.

Other publications prepared under the aegis of the Institute of Governmental Studies include "Administrative Law Aspects of Zoning and Planning," "Government and Civic Design: An Architectural View," "Urban Communities: A Bibliography," and "The Participation of the Poor in Community Antipoverty Programs."

The Institute also serves as a clearinghouse for the collection and dissemination of certain types of information for clientele of officials and citizens. For the last 3 years it has also held seminars on local government and urban problems, initially for city managers in the bay area.

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INSTITUTE OF TRANSPORTATION AND TRAFFIC ENGINEERING  
 UNIVERSITY OF CALIFORNIA, BERKELEY  
 1301 46th Street  
 Richmond, Calif. 94804

The Institute of Transportation and Traffic Engineering was established at the University of California in 1947 "to carry on instruction and research related to the design, construction, operation, and maintenance of highways, airports, and related facilities for public transportation \* \* \*" and to give "attention to the interrelated problems of highway design, traffic control, and highway safety."

The Institute, operating in conjunction with the Colleges of Engineering at Berkeley and Los Angeles, maintains staff, offices, and research facilities at both locations and provides a means whereby many resources of the university, particularly those on its two largest campuses, can be utilized for instruction and research in transportation and related fields. Areas of common interest to both centers include: studies of traffic flow theory, computer simulation of traffic, operations research, transportation systems research, and the interrelations between transportation and land-use planning.

At Berkeley, particular emphasis is given to the planning and design of highway and air transport facilities, including materials, structures, illumination, and sound; to highway and airport engineering administration, economics, and finance; to traffic engineering; and to mass transportation.

At Los Angeles, special attention is given to human factors in transportation, to experiments and laboratory studies relating to motor vehicle performance, to the analysis of the physioengineering systems inherent in motor vehicle collisions, to driving simulation, to accident prevention research, to the interrelationship of transportation and comprehensive planning, to mathematical theories of traffic flow, and to related computer analysis.

Courses and programs of instruction relating to transportation are offered by the regular academic departments of the university (Division of Transportation Engineering in the Department of Civil Engineering at Berkeley, and Department of Engineering at Los Angeles). Many of the faculty interested in various aspects of transportation also hold research appointments in the Institute, an arrangement that provides the student with opportunities for advanced study and research.

Principal facilities of the Institute at Berkeley are situated at the university's Richmond Field Station, which is within 7 miles of the main campus at Berkeley. The facilities of the field station include: Institute Headquarters Building, with staff offices and conference and graduate study rooms; a research library; an IBM 1620 computer with auxiliary data-processing equipment; a fully equipped soil mechanics and bituminous materials laboratory; illumination laboratory including an 820-foot fog visibility research facility; motor vehicle devices testing facility; and mobile equipment for structural, road surface, and traffic measurements. Located on the nearby Berkeley campus is the Engineering Materials Laboratory of the Department of Civil Engineering, which provides a variety of testing apparatus and laboratories for studies of materials.

At Los Angeles, the Institute maintains a group of specialized laboratories including the driving simulator, a dynamic visual acuity facility with three mobile field units, a field facility that permits the carrying out of full-scale motor vehicle collision experiments under conditions of laboratory control, a facility for physical research concerning vehicle components, and a portable facility for the measurement of psychophysiological responses to traffic safety films, equipment for physiological and psychological measurements of performance of vehicle operators, and for traffic studies. These facilities are augmented by a variety of other laboratories on campus.

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EDWARD LEVONIAN, Psychologist

ADOLF D. MAY, Jr., Engineer

CHARLES K. WOJCIK, Engineer

WALTER W. MOSHER, Jr., Engineer

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INSTITUTE OF URBAN AND REGIONAL DEVELOPMENT  
UNIVERSITY OF CALIFORNIA  
Berkeley, Calif. 94720

The Institute of Urban and Regional Development of the University of California, Berkeley, presently consists of two centers, the Center for Planning and Development Research and the Center for Real Estate and Urban Economics [*described infra*]. A third center dealing with urban social problems is planned. The Institute has responsibility for administering the Architecture Experimental Laboratory which conducts architectural and landscape architectural research projects.

The Center for Planning and Development Research was established in 1962 to conduct research in city and regional planning and related social and technical processes. In addition, the center will provide service to governmental and private agencies in the development of new techniques for the solution of development problems. Current and recent projects include studies supporting the California state development plan, a study of the implications for urban development of concepts arising from aerospace research, a history of city planning, and studies on environmental behavior in the metropolitan region,



community value measurement, programing and design of residence hall environments, urban rehabilitation, residential environment and health, interregional population growth, neighborhood standards, planning for solid wastes, as well as individual work on community facilities and services, amenities, and community design.

A description of the Center for Real Estate and Urban Economics is contained under its own heading within the directory.

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INSTITUTE OF GOVERNMENTAL AFFAIRS  
UNIVERSITY OF CALIFORNIA  
Davis, Calif. 95616

The Institute of Governmental Affairs was established on the Davis campus of the University of California in 1963 for the primary purpose of doing research related to State government in California. Its publications fall into six categories: book length studies, California government series, occasional papers series, California government notes, and a reprint series. Publications relating to urban affairs concern government in metropolitan regions, property tax administration, and municipal expenditures in California. In process is a 5-year study on the consequences of reapportionment in California.

The Institute's academic researchers, each of whom has a half-time appointment in a university department, include political scientists, economists, and sociologists. Cooperative arrangements with the newly established law school are being planned.

#### STAFF

LLOYD D. MUSOLF, *Director*, Public Administration; Government and the Economy; Administrative Law.

RICHARD W. GABLE, assistant director, Public Administration; Comparative Administration; Development in Emerging Countries.

ALVIN D. SOKOLOW, State and Local Government; Community Politics; Rural Politics and Government; State Legislative Behavior.

BRUCE M. HACKETT, Public Administration; Local Government; Resources Management.

LOUIS F. WESCHLER, Public Administration; Local Government; Resources Management.

ELIAS H. TUMA, Economic History; Land Reform.

CHARLES SCHOTTA, Jr., Public Finance.

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INSTITUTE OF GOVERNMENT AND PUBLIC AFFAIRS  
THE UNIVERSITY OF CALIFORNIA AT LOS ANGELES  
Los Angeles, Calif. 90024

The Institute of Government and Public Affairs, since its establishment in 1962, has undertaken research and seminar programs designed to assist the citizenry and its public officials to meet the challenge of adjusting to unprecedented change. Basic to the Institute's

approach is the belief that cooperation among various academic disciplines is essential to its inquiries. Scholars and practitioners from sociology, economics, political science, history, psychology, mathematics and statistics, engineering, law, public health, medicine, city planning, architecture, public welfare, business administration, and other fields work in teams or individually in selected areas of study.

The areas of inquiry can be roughly grouped as follows: Regional analysis, urban analysis, and knowledge and public policy. Specific studies by the members of the Institute in the area of regional analysis have been upon the problems of poverty, the development of a planning-program-budgeting system for regions as a decisionmaking and program control tool, and a study of variations between regions in the age-sex cohort labor participation rates. Research in urban analysis follows the general theme of analysis of instrumentalities affecting the shape of our cities and the quality of life within them. Among topics studied were alternative propulsion systems for the automobile and the possible development of improved legal instruments for land planning for esthetic objectives. The Institute also maintains an "urban observatory," a multidisciplinary research effort focused on urban problems, especially those of Los Angeles. Under the heading of knowledge and public policy research efforts of the Institute include an effort to assist in designing appropriate national policies for science and education, in particular the distribution of talent and financial resources among competing scientific fields. Projects which the Institute expects to complete within the near future are an expansion of the Los Angeles riot study, an integrated study of alternative long-range policies for science and education, a survey of hallucinogenic drug use, and program budgeting for local government.

The Institute has also established an information system which is made accessible to other universities and research organizations. The system holds a selective compilation of data rather than a general information system. The Institute's repository covers data collected through its own studies as well as selected information gathered by government agencies and academic institutions.

#### STAFF

WERNER Z. HIRSCH, *Director*

ELDRIDGE ADAMS, Law Science Research Center

MARVIN ADELSON, Institute of Government and Public Affairs

MARVIN ALKIN, Education

ROBERT BICKNER, Institute of Government and Public Affairs

LYDA BOYER, Institute of Government and Public Affairs

GEORGE BROWN, Business Administration

CHARLES CAREY, System Development Corp.

PETER CLARK, Economics

NATHAN COHEN, Social Welfare

EVELYN DETRICK, Institute of Government and Public Affairs

EUGENE DEVINE, Institute of Government and Public Affairs

JACOB FRANKEL, Engineering

JAY FRIERMAN, Ethnic Collections

MARVIN HOFFENBERG, Institute of Government and Public Affairs

GEORGE HOFFMAN, Institute of Government and Public Affairs

OLAF HELMER, RAND Corp.

BRUCE HERRICK, Economics

HAROLD HOROWITZ, Law  
 WILLIAM HUTCHINSON, Music  
 BERNARD JACOB, Law  
 EDGAR JONES, Law Science Research Center  
 JASCHA KESSLER, English  
 AXEL LEIJONHUFVUD, Economics  
 ERICK LINDMAN, Education  
 SELMA LESSER, Institute of Government and Public Affairs  
 EUGENE LOREN, Economics  
 PIERRE LORION, Institute of Government and Public Affairs  
 IRA LOWRY, RAND Corp.  
 DAVID MENKIN, Institute of Government and Public Affairs  
 IVAN MENSCH, Psychiatry  
 DAVID NASATIR, Education  
 RENE NUNEZ, Institute of Government and Public Affairs  
 SAM PELTZMAN, Economics  
 STANLEY PLOG, Institute of Government and Public Affairs  
 WALTER RAINE, Institute of Government and Public Affairs  
 HARRY SCOBLE, Political Science  
 DAVID SHAPIRO, Economics  
 HAROLD SOMERS, ECONOMICS  
 LEO SNOWISS, ECONOMICS  
 MARCIA THOMAS, Institute of Government and Public Affairs  
 LEE WEISEL, Law  
 VICTOR WOLFENSTEIN, Political Science

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REAL ESTATE RESEARCH PROGRAM  
 GRADUATE SCHOOL OF BUSINESS ADMINISTRATION  
 UNIVERSITY OF CALIFORNIA AT LOS ANGELES  
 Los Angeles, Calif. 90024

The research of the Real Estate Research Program at UCLA reflects the variety of interests of the staff and the many sources of financing used to support the program. Like its Berkeley counterpart, the Center for Research in Real Estate and Urban Economics, the orientation of the program is toward economic analysis. Within the definition of real estate research are included research on the real estate markets, on real estate financing, land use, and on public policies affecting real estate. A continuing concern of the program has been housing with investigation extending to related problems of property taxation, municipal finance, blight, and urban renewal.

The Program's studies draw upon Los Angeles and other California communities as sources for research data, and in turn contributes information about the region. One example of such a project is the "Profile of the Los Angeles Metropolis," an analytical account of the results of the 1960 Census of Population and Housing.

Reports are also done by request of State and Federal agencies, a recent project being a report for the McCone Commission's investigation following the 1965 Watts riots on the relationship between housing and riots. Recent studies by members of the Program have

expanded to international problems in housing, as, for example, a study of the contribution of improved housing to worker productivity financed by a joint grant from the Agency for International Development and the Department of Health, Education, and Welfare.

### STAFF

FRED E. CASE, *Acting Director*  
LELAND S. BURNS  
JAMES GILLIES  
LEO GREBLER  
FRANK G. MITTELBACH

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CENTER FOR URBAN STUDIES  
UNIVERSITY OF CHICAGO  
5852 University Avenue  
Chicago, Ill. 60637

The academic program of the Center for Urban Studies is an interdisciplinary program providing the urban specialist within each of the social sciences and professions the opportunity to understand the relationship between his own major discipline and the urban research and practice of other social sciences and professions. Representatives from the fields of anthropology, economics, geography, history, political science, sociology, and from the related professional schools of business, divinity, law, education, and social service come together within the program of the institute.

From its founding in 1963, the Center has carried on an active research program. It provides a focus for the wealth of urban research in progress throughout the university, seeks to foster that research, and conducts a research program of its own concentrating on urban systems analysis and questions of urban policy.

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GOVERNMENT AND COMMUNITY DEVELOPMENT PROGRAM  
INDUSTRIAL RELATIONS CENTER  
UNIVERSITY OF CHICAGO  
1225 East 60th Street  
Chicago, Ill. 60637

The Government and Community Development Program designs, directs, and conducts research and education programs in community development, government affairs, and the urban environment. The programs include mayor-councilman education, city and regional planning, economic opportunity planning, urban renewal, urban environmental esthetics, public school education, and institutional change.

JERRY A. KNIGHT, *Director*.

POPULATION RESEARCH AND TRAINING CENTER:  
CHICAGO COMMUNITY INVENTORY:  
UNIVERSITY OF CHICAGO  
1413 East 60th Street  
Chicago, Ill. 60637

For about 20 years the Population Research and Training Center, a cooperative faculty enterprise, has conducted studies in population and human ecology on an international, national, regional, and local basis. It is staffed by faculty members of the Department of Sociology and research associates who, on a voluntary basis, have pooled their research and research training activities, together with graduate students who serve as research assistants.

The Center has two major missions: (1) the conduct of research, and (2) training graduate students to do research. Its research training functions are based on the assumption that the graduate student best acquires research competence by participating in significant on-going faculty research.

Rather than formulate a rigid long-range program of research, the staff has chosen to accommodate new staff interests and encompass diverse problems. Two aspects of formal demography have received special attention—differentials in fertility and mortality, and internal migration and population redistribution. There has been a continuing interest in the labor force as a field for research. Work in comparative demographic analysis on the international level is in progress. Current work and plans for the immediate future anticipate concentration of PRTC activities more on population matters as related to economic development and the improvement of demographic statistics in underdeveloped areas, and on various aspects of mathematical demography including the development and application of a computer program to derive life tables, measures of fertility and reproduction, stable population distributions, and population projections from a minimum set of data.

The CCI (Chicago Community Inventory) subsumes the bulk of the service activities carried out at the PRTC. The CCI is the outgrowth of efforts, extending over several decades to gather and make available the essential facts about Metropolitan Chicago and its component parts. Descriptive materials on population and housing characteristics in metropolitan areas have been compiled, estimates and projections of population have been prepared, and several analytical monographs focused on the Chicago area have appeared. In addition, the CCI staff has served as liaison between local groups and the U.S. Bureau of the Census on special surveys as well as the regular statistical program of the Bureau.

From time to time the staff of the PRTC and CCI have undertaken special analytical studies for nonlocal agencies and organizations. Typically these are projects which call for the application of specialized demographic techniques.

## STAFF

PHILIP M. HAUSER, *Director*  
 NATHAN KEYFRITZ, *Codirector*  
 DONALD J. BOGUE, *Associate Director*  
 EVELYN M. KITAGOWA, *Associate Director*  
 HANA OKAMOTO, *Administrative Secretary*

There are, in addition, numerous research associates and student trainees.

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THE INSTITUTE FOR URBAN ENVIRONMENT  
 SCHOOL OF ARCHITECTURE  
 COLUMBIA UNIVERSITY  
 Avery Hall  
 New York, N.Y. 10027

The Institute for Urban Environment was recently established as part of the School of Architecture to conduct research in urban problems both in the United States and in other countries; to help achieve a better understanding of the programs designed to deal with them; and to advance the essential skills and training that are required. It promotes studies which can be useful to governments and international agencies as well as to students of urbanization; serves as a center of information and source materials for visiting scholars and experts working in the various fields of urbanization, including regional problems here and abroad; stimulates and aids in the provision of courses in urbanization at Columbia, particularly in social planning and the developing countries; and exchanges students and faculty members with foreign universities concerned with urbanization. In a limited number of special circumstances the Institute acts as adviser to official agencies and governments here and abroad, or undertakes special projects on their behalf. In the course of these activities, the Institute draws upon the experience and resources of the Division of Urban Planning as well as the Division of Architecture and other departments and institutes of Columbia University.

With the funds of its initial grant, the Institute will conduct international research on housing and urban development which it expects to produce a handbook on planning, design, and building techniques in underdeveloped countries; a study of world urban land problems and policies; and a book on planning techniques for small European countries. The Institute will also help the United Nations establish and staff foreign centers for housing and planning research. Within the United States, the Institute will initiate research projects in American cities, especially focusing upon the problems of New York and Harlem.

## STAFF

CHARLES ABRAMS, *Director*  
 CHESTER RAPKIN, *Associate Director*  
 HANS B. C. SPIEGEL, *Urban Sociology*  
 ERIC CARLSEN, *Housing (international)*  
 PAUL LESTER WIENER, *Planning*

CENTER FOR REAL ESTATE AND URBAN ECONOMIC STUDIES  
 THE SCHOOL OF BUSINESS ADMINISTRATION  
 THE UNIVERSITY OF CONNECTICUT  
 Storrs, Conn. 06268

The Center for Real Estate and Urban Economic Studies, which was organized in 1965, had its first full year of operation during 1966-67. The objectives of CREUES are fourfold: (1) to expand the real estate teaching program of the School of Business Administration; (2) to conduct research in real estate and urban economics, with special emphasis on Connecticut; (3) to assist in the development of the university's real estate extension courses; (4) to assist, as requested, in the preparation of examinations materials for the insurance commissioner as they apply to real estate licensing in the State.

CREUES is involved in a wide variety of research projects within the areas of real estate and urban economic problems. Although some of the activity is sponsored with grants from outside sources, the bulk of projects are funded directly through CREUES. Among recently completed projects are a reference text on industrial real estate for the Society of Industrial Realtors, a study of professional association educational programs, and an examination of alternative means of meeting recreational requirements in selected cities in Connecticut. Research activities have continued to expand and now include, among others, a short-term projection of housing needs for the southeast Connecticut planning region, a continuing analysis of space and locational requirements of the manufacturing industry in Connecticut, and the development of case studies in business relocations in urban renewal projects throughout the United States.

#### STAFF

WILLIAM N. KINNARD, Jr., *Director*, Urban Renewal; Regional Development; Marketability Studies  
 STEPHEN D. MESSNER, Assistant Director, Benefit-Cost Analysis; Metropolitan Area Development; Urban Economics  
 BYRL N. BOYCE, Real Estate Valuation; Transportation

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THE INSTITUTE OF PUBLIC SERVICE  
 UNIVERSITY OF CONNECTICUT  
 Storrs, Conn. 06268

The Institute of Public Service, established 22 years ago in 1944, is an educational and service organization of the Division of Continuing Education Services of the University of Connecticut. The Institute is authorized to assist incumbent State and local public officials and citizens in the overall improvement of government in Connecticut.

The Institute provides continuous in-service training for full and part-time officials and citizens members of boards and commissions. These educational programs are carried out by conducting noncredit short courses, conferences, seminars, institutes, and workshops in management techniques and in the science and art of public administration, especially at the local level in the functional areas of municipal administration, finance, purchasing, public works, police admin-

istration, assessing, tax collection, welfare, town clerk functions, planning and development, code enforcement, building inspection, sanitation, and personnel.

Closely allied to the in-service training functions are the research and informational activities of the Institute.

The research activities of the Institute are usually identified with regular educational and service programs. Recent examples are: "County Government in Connecticut—Its History and Demise," "Assessment Administration in Connecticut Towns and Cities," and "Fringe Benefits in Connecticut Municipalities." Also a handbook series covers the legal and administrative responsibilities of selectmen, town clerks, town treasurers, tax collectors, and boards of education, tax review, and finance.

Informational services include the quarterly publication, Connecticut Government, which covers a specific subject in depth; the IPS Local Government Newsletter, published 10 months a year with a circulation of over 3,000, describing current IPS programs and news of interest to public officials; and the Administrative Reference Shelf, a review of current literature in local government administration which is available on request from the Institute's research library. In addition, direct inquiries from local officials are answered on an individual basis.

#### STAFF

JAMES J. BRENNAN, Municipal Government  
 EDWARD T. DOWLING, Police and Assessor Training (Concerned With Activities of Municipal Employee-Employer Relations)  
 ROSALINE LEVENSON, Metropolitan and Regional Affairs  
 GEORGE H. MURRAY, Management Communication; Public Relations; Public Works  
 BELDON H. SCHAFFER, Municipal Government  
 PATRICIA STUART, Local Government Organization  
 MYRON E. WEINER, Municipal Information Technology  
 KENNETH SHEEHAN, Municipal Information Technology  
 EDWARD T. CONDRON, Municipal Information Technology  
 RICHARD VINCENT, Municipal Information Technology

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INSTITUTE OF URBAN RESEARCH  
 UNIVERSITY OF CONNECTICUT  
 Storrs, Conn. 06268

The Institute of Urban Research of the University of Connecticut was created by action of the board of trustees in July 1963. It is designed primarily as a vehicle for the stimulation and facilitation of research into urban problems, broadly conceived, by university staff members and graduate students.

At the end of its fourth year, the Institute had participated successfully in six research grant applications, conducted a series of colloquies on urban topics, and issued 11 research publications. Among the topics of its series of Connecticut urban research reports were "Metropolitan Connecticut: A Demographic Profile," and a "Report of Evaluation: Greater Hartford Small Business Development Corporation," and "The Legal Framework for Intermunicipal and Regional Action in Connecticut."



## STAFF

KARL BOSWORTH, *Director*, Political Science  
 EDWARD G. STOCKWELL, Rural Sociology  
 IRVING ALLEN, Sociology  
 ROBERT F. DAWSON, Civil Engineering  
 WILLIAM N. KINNARD, Jr., Finance  
 EVERETT C. LADD, Political Science  
 ROBERT I. REIS, Law  
 BELDON SCHAFFER, Institute of Public Service  
 JACK E. STEPHENS, Civil Engineering  
 JOHN THORKELSON, Economics  
 PAUL WEINER, Economics  
 DONALD S. BERRY, Urban Transportation Engineering  
 HERMAN CEMBER, Radiological Health  
 ROBERT S. GEMMELL, Water Treatment and Water Resources  
 HAROLD B. GOTAAS, Dean of the Technological Institute, Sanitary  
 Engineering  
 EDWARD R. HERMANN, Industrial Hygiene  
 EDWARD K. MORLOK, Transportation Systems Analysis  
 GEORGE L. PETERSON, Urban and Regional Planning, Urban Systems  
 Analysis  
 WESLEY O. PIPES, Water Quality and Pollution Control  
 JIMMIE E. QUON, Air Pollution, Solid Waste Management  
 RICHARD WORRALL, Urban and Regional Planning

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CENTER FOR ENVIRONMENTAL QUALITY MANAGEMENT  
 CORNELL UNIVERSITY  
 302 Hallister Hall  
 Ithaca, N.Y. 14850

Since the establishment of a pilot program in environmental systems analysis in 1965, Cornell University has been actively engaged in developing a comprehensive interdisciplinary approach to environmental health. What has evolved is a program in environmental quality management that brings together the College of Medicine in New York and the various colleges and schools in Ithaca to study environmental health to both urban and rural settings.

The scientific aspect of environmental quality management, which is the Center's primary interest, concerns the analysis and measurement necessary to make optimal public policy decisions for the control of the environment. The methods of the management sciences such as systems analysis, operations research, computer science, and statistical inference provide the quantitative methods for analyzing the various components of the problem.

Early research studies by the Center included a study of multiple objective criteria for environmental quality management, fly control and animal waste disposal, environmental pollution, pesticides, and a study of normative models for capital budgeting by public agencies.

The core staff will initially consist of four to five members of the faculty holding joint appointments in various academic departments but whose instructional and research activities are devoted to the

affairs of the Center. The faculty include (a) the director, (b) a faculty member from the field of medicine, (c) a faculty member in systems analysis and operations research, and (d) a faculty member in bio-science. Additions to the staff will include an epidemiologist, a man with competence in the mathematical statistical and analytical methods of systems analysis, and a biologist with competency in mathematics. In addition a number of faculty are appointed to the Center for a specified term (usually 1 year). Research associates, post-doctoral fellows and visiting professors will also become members of the Center staff for varying periods of time.

WALTER R. LYNN, *Director*.

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CENTER FOR HOUSING AND ENVIRONMENTAL STUDIES  
DIVISION OF URBAN STUDIES  
CORNELL UNIVERSITY  
Ithaca, N. Y.

The Division of Urban Studies was established in the fall of 1963 to serve as a location for interdisciplinary research on urban problems on the parts of scholars in various academic departments of the university. Research conducted at the Division is faculty initiated; a relatively small proportion of research done is undertaken by contract from government agencies.

Although the research topics vary according to the interests of the faculty, publications tend to group into general areas such as comparative planning, heuristic gaming, and regional development.

The Division and Center have no staff as such. All appointments are academic appointments in the regular departments of the university. Members receive partial appointments to the Center for administrative or research activities.

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OFFICE OF REGIONAL RESOURCES AND DEVELOPMENT  
CORNELL UNIVERSITY  
Ithaca, N. Y. 14850

The Office of Regional Resources and Development, established at Cornell in 1965, seeks to delineate, so far as is possible, the most desirable potential for the future development of the region around Cornell and then to work out specific plans for achieving that potential. The region itself is not rigidly defined, but will include an approximate area within some 50 miles of the university. The type of study underway at a given time will, to a great extent, determine the geographic areas to be involved. Cornell will in no way seek to impose any arbitrary master plan on the area, but will be volunteering to assist in establishing the direction for the development of the region in its overall aspects. The Office of Regional Resources and Development will work in close cooperation with local planning groups and with those local public bodies responsible for important decisions affecting their own areas, as well as with agencies of the State and Federal Governments.

Initial efforts will be directed toward the collection of data on the physical, economic, and social resources of the region, together with reasonable projections of their potentials. A major part of the research on a regionwide basis will be oriented toward two specific goals: (1) the development of a comprehensive transportation plan—ground and air—for the region; and (2) the preparation of plans for achieving the potentials for recreational facilities in the region. Later studies may examine problems in areas such as housing, industrial development, health facilities, and urban renewal.

The permanent staff consists of a director, and assistant director, and a secretary. For the research projects faculty drawn from a number of disciplines within the university are used.

### STAFF

OLIVER G. WINSTON, *Director*  
ROBERT L. MANN, *Assistant Director*

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DIVISION OF URBAN AFFAIRS  
UNIVERSITY OF DELAWARE  
Raub Hall  
Newark, Del. 19711

The Division of Urban Affairs of the University of Delaware is an interdisciplinary program, separate from the teaching departments of the university, engaging in urban and regional analysis within the State. The senior staff members represent the disciplines of political science, public administration, economics, sociology, and planning. To insure concentration on its activities, the staff hold positions wholly financed by the Division of Urban Affairs. At its founding in 1961, the Division was supported by a long-term grant from the Ford Foundation, which has since been supplemented by funds from the State.

The initial activities of the Division, undertaken at a time when the State government had no planning agency, were designed to encourage the establishment of modern planning agencies and the introduction of modern planning techniques within the State. One of the Division's first projects was a large-scale economic research study of the Wilmington metropolitan region, under contract from the Wilmington Development Council. Although the project initially called for analysis of the central business district its scope has broadened to include the whole metropolitan region. The detailed analysis of the core area of the city includes, among others, a brief history of the development of the economy of the region, analysis of patterns of location of business and industry, a study of existing central business district land uses and changes in land use, and an analysis of the movement of economic activities such as retail trade out of and into the core area. Working papers giving the findings and analysis are presented to the greater Wilmington Development Council and then are followed with suggested alternative ways to help revitalize the economy of the core

area. Another economic activity of the Division has been the submission of proposals for economic research needed for the preparation of a State development plan, done at the request of the Delaware State Planning Office.

The Division of Urban Affairs is also involved in demographic research and with the establishment of a census and data system has become an information center for those interested in demographic data. The data collected has been used in a Federal case involving redistricting of the State legislature, by officials of political parties, school officials, and others. In addition to the demographic analysis done for the Greater Wilmington project, the Division, working under contract from the State planning office, has done the population analysis and projections required for the State development plan.

The Division of Urban Affairs, through its extension services, also acts as consultants to the smaller towns of Delaware which request professional planning. It maintains an urban agent, as well, who advises city managers of small towns.

### STAFF

EDWARD S. OVERMAN, *Director*  
 C. HAROLD BROWN, Sociologist, Director of Census and Data System  
 LAWRENCE SCHEIN, Associate Director, Census and Data System  
 FRANCIS X. TANNIAN, Economist  
 CHARLES WALDAUER, Associate Economist  
 ALEX MIGHTON, Economic Analyst  
 JOHN V. JOHNSON, Urban Agent  
 PETER M. ROSS, Management Counselor  
 CHARLES BURACH, Management Counselor  
 WILLIAM G. DEAN, Research Associate  
 ELIZABETH F. MARKOWITZ, Updating Manager  
 J. KEVIN O'CONNOR, Research Associate

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INSTITUTE FOR SOCIAL RESEARCH  
 URBAN RESEARCH CENTER  
 FLORIDA STATE UNIVERSITY  
 2323 South Washington Avenue  
 Titusville, Fla. 32708

The Urban Research Center, a subsidiary of Florida State University at Tallahassee, was established in Titusville during late 1964. The Center is intended to serve research institutes and departments of the university concerned with social science and planning. The Center provides a link between planners and social scientists within Florida State University and the urban communities in the east central Florida region.

The Urban Research Study Center has certain unique features as an organization. First, it is located in the Cape Kennedy area, which is undergoing rapid urbanization. Second, it is 300 miles from the campus of FSU. This fact and its function as a "nerve center" for the identification of research problems and their transmission to the

university make it important as an "urban observatory" for the university, and a means of access to university resources for public agencies and community leaders. Third, the Center has a strong emphasis upon planning. This mission has conditioned the selection of personnel for the staff to emphasize planning, community organization, and adult and continuing education. The regular faculty, with their academic orientation, serves as a resource for the staff of the Center as much as for communities.

Research at the Center focuses upon the process of rapid urbanization in the Cape Kennedy area (Brevard County) and through the urban extension program upon the particular problems of the area in response to local needs. Working papers prepared by members of the Center have examined the urbanization of Brevard County and discrepancies and an index of local governments in east central Florida.

#### STAFF

ROBERT M. GRIFFIN, Jr., *Director*  
 HUEY B. LONG, Associate Director  
 PAULINE E. COUNCIL, Research Assistant  
 J. W. STEVENS, Research Assistant  
 JAMES KING, Urban Intern (adult education)  
 TOM COOKE, Urban Intern (government)

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PROGRAM OF POLICY STUDIES IN SCIENCE AND TECHNOLOGY  
 THE GEORGE WASHINGTON UNIVERSITY  
 1750 Pennsylvania Avenue NW., Suite 1207  
 Washington, D.C. 20006

Though the studies of the Program for Policy Studies extend to a variety of areas, among its interests is the application of systems analysis techniques to urban development. The Program for Policy Studies was initiated in order to provide the means by which the university research capability and that of cooperating organizations can be focused on the analysis of existing and emerging policy issues.

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INSTITUTE OF COMMUNITY AND AREA DEVELOPMENT  
 THE UNIVERSITY OF GEORGIA  
 Athens, Ga. 30601

The Institute of Community and Area Development's primary purpose is to strengthen and expand the services of the university to communities and areas on their many problems and adjustment needs. To further this aim it has appointed faculty members from the university to take charge of a particular aspect of the program, for example, business and economic research, community organization, recreation, and landscape architecture.

## STAFF

J. W. FANNING, Director.  
 E. E. MELVIN, Associate Director.  
 GENE A. BRAMLETT, Assistant Director.  
 HAROLD BROMFIN, Social Work.  
 WM. WRAY BUCHANAN, Business and Economic Research.  
 JAMES R. CHAMPLIN, Recreation.  
 T. WYLIE DAVIS, Creative Arts.  
 WALTER EATON, Safety Education.  
 PICOT B. FLOYD, Government.  
 ERWIN C. FORD, Business Services.  
 SUMNER LONG, Geology.  
 HAROLD L. NEX, Sociology.  
 HOWARD SCHRETTER, Geography.  
 JOHN C. WATERS, Landscape Development.  
 JAMES WATSON, Title I, Higher Education Act.

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CENTER FOR FIELD STUDIES  
 GRADUATE SCHOOL OF EDUCATION  
 HARVARD UNIVERSITY  
 Roy E. Larsen Hall, Appian Way  
 Cambridge, Mass. 02138

The Center for Field Studies, established in 1949, is a segment of the Harvard Graduate School of Education which undertakes studies by contract with local school officials. In selecting field studies, the Center considers the value of opportunities offered by the project for the improvement of educational practice, the possibilities for cumulative research and teaching value, and the degree to which a project allows staff members and students to keep in close contact with significant current problems and issues in schools, school systems, and communities as a whole.

Surveys have focused either on a single aspect of educational planning such as finance, the school program, administration, and buildings or upon a combination thereof, to the point of becoming a comprehensive study which examines all relevant activities in the school district, region, or State. Since 1964 the Center staff has been working on problems of integration as they relate to schools, education, and community development. Prior to 1964, the idea that the Center's involvement ought to be in communities which typified the most acute problems of public education has come to dominate the Center's approach. This led to an orientation toward larger urban systems, rather than smaller suburban ones, in the selection of planning sites. A recent study of Englewood, N.J. (1965), reflects the continuing concern for suburban systems as they relate to problems and promise of the central city.

Two projects are currently underway at the Center—one in Wilmington, Del., the other in St. Paul, Minn. The Wilmington study represents the continuing interest of the Center in problems of inte-

gration, is directed toward investigating methods of revitalizing a school which will continue to exist in an area currently undergoing urban renewal. In the past the area was a Negro ghetto. Integrated housing is being encouraged, and a key consideration is the quality of education and the "image" of the school. The project in St. Paul provides an opportunity to study the feasibility of creating, within an urban renewal district, a new facility which could centralize not only school functions but also the activities of various health and welfare activities of the city. In addition, the St. Paul study has been the springboard for discussions with personnel in the Department of Health, Education, and Welfare and the Department of Housing and Urban Development with a view to developing a collaborative planning process with a local-Federal-university pattern of attacking urban problems.

When the Center was founded, its direction was placed in the hands of a committee which included representatives of the Graduate School of Business Administration, the School of Design, the Graduate School of Public Administration, the School of Public Health, the Department of Social Relations, and the Graduate School of Education. This multidiscipline approach is still characteristic of the Center. In recent years the staff has consisted of educators, school administrators, sociologists, an economist, a lawyer, and an architect-planner. It is hoped that in the near future a political scientist, a psychologist, and a psychiatrist will be added to the group. In addition, each year over a dozen candidates for doctoral degrees in education participate in studies conducted by the Center.

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JOINT CENTER FOR URBAN STUDIES OF HARVARD UNIVERSITY AND  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
66 Church Street  
Cambridge, Mass. 02138

The Joint Center for Urban Studies of the Massachusetts Institute of Technology and Harvard University was established in 1959 to further the educational purposes of both institutions by stimulating and facilitating basic research and applied studies in urban and regional affairs. The Joint Center provided assistance to faculty and selected graduate students at the two institutions and has made available facilities and assistance for about 15 visiting associates from the United States, Argentina, Great Britain, Israel, Italy, Japan, France, and Turkey.

The Joint Center's members have conducted basic research projects in such fields as the politics and government of American cities, urban design and the image of the city, housing and urban renewal, urban history, and urban social structure and migration. The applied research projects of the Joint Center have included two major efforts. Since 1961 it has maintained a full-time resident staff of about 15 specialists

(plus a number of part-time consultants) in Venezuela to advise and assist an arm of the Venezuelan Government in devising a development strategy for the Guayana region, particularly for a new city, which is the largest new town development in the Western Hemisphere. In an effort to apply the intellectual resources of its universities to the practical needs of its own metropolitan area, the Joint Center has developed a Boston studies program which includes a series of conferences and studies for the Metropolitan Area Planning Council and studies of housing and urban renewal, antipoverty programs, voter attitudes, occupational and ethnic segregation, urban design, and transportation.

The publications of the Joint Center—19 books and more than 30 monographs and reports—are a major but not the only contribution to its role as a communications exchange on urban affairs. It has held conferences and seminars for newspaper editors, historians, real estate developers, social scientists, public officials, and other groups. It provides information and assistance to many persons and organizations interested in urban problems.

### STAFF

DANIEL PATRICK MOYNIHAN, *Director*  
LLOYD RODWIN, *Chairman of the Faculty Committee*

Faculty members:

Massachusetts Institute of Technology:

DONALD APPEYARD, Urban Design  
JAMES BESHERS, Sociology  
STEPHEN CARR, Urban Design  
LEONARD J. FEIN, Political Science  
AARON FLEISHER, Transportation  
BERNARD FRIEDEN, Housing, Social Policy  
ALEXANDER GANZ, Urban Economics  
LISA PEATTIE, Anthropology  
JEROME ROTHENBERG, Economics

Harvard:

EDWARD C. BANFIELD, Government  
MARTHA DERTHICK, Government  
CHESTER HARTMAN, City Planning  
DAVID HEER, Public Health  
JOHN KAIN, Economics  
WILLIAM NASH, City Planning  
STEPHAN THERNSTROM, History  
THOMAS PETTIGREW, Social Relations  
RONALD PICKETT, Public Health  
MARY POTTER, Cognitive Studies  
CARL STEINITZ, City Planning  
JAMES Q. WILSON, Government



LAND STUDY BUREAU  
 UNIVERSITY OF HAWAII  
 Safety Loan Building, Room 301  
 2065 South King Street  
 Honolulu, Hawaii 96814

The Land Study Bureau of the University of Hawaii has as its objectives:

- (1) To collect data and integrate such data into a basic land classification of the area;
- (2) To supply the Governor, the legislature, and other State and county agencies with data and impartial advice on land use; and
- (3) To make its findings generally known through its publications.

Several studies have been completed at the Bureau with urban orientation. They include, among others, "Urban Development on Oahu, 1946-62," "An Economic View of Household and Fee Simple Tenure of Residential Land in Hawaii," and "Oahu Lands Classified by Physical Qualities for Urban Usage."

#### STAFF

HAROLD L. BAKER, *Director*, Land Economics  
 TAMATSU KAHARA, Land Classification  
 EDWIN MURABAYASKI, Land Classification  
 ARTHUR Y. CHING, Land Classification  
 JWAO KWWAHARA, Geography  
 FAITH N. FUJIMURA, Cartography  
 EUNICE AWAI, Cartography

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CENTER FOR BUSINESS AND URBAN RESEARCH  
 HOFSTRA UNIVERSITY  
 Hempstead, Long Island  
 New York, N.Y. 11550

The Hofstra University Center for Business and Urban Research was established in 1966 as a research institute concerned with the problems of the urban and suburban environment. Its predecessor, the Bureau of Business and Community Research, was organized in 1954.

The Center, in the short time it has been in operation, has produced a study for the biconity Nassau-Suffolk Regional Planning Board under a grant from the Department of Housing and Urban Development entitled "The Economy of Long Island, Employment and Income Trends." The study examines the relative economic performance of the biconity area compared to the 31-county metropolitan region of which it is a part.

Future research will seek to refine methods for making employment projections at the county level. These techniques are important for planning and for the manpower, and retraining planning which is part of the antipovertry program.

The staff is drawn from the faculty of Hofstra University and neighboring institutions.

#### STAFF

JOHN ALLMANN, Industrial Planning and Urban Planning  
 HAROLD WATTEL, Problems of Negro Enterprises  
 ALBERT M. LEVENSON, Price Theory and Regional Economics  
 WILLIAM HANOVITCH, Local Taxation

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BUREAU OF COMMUNITY PLANNING  
 UNIVERSITY OF ILLINOIS  
 1202 West California  
 Urbana, Ill. 61801

The Bureau of Community Planning has been active since 1934, when it was created to provide a new kind of university service to the people of the State to aid in community problem solving. This service includes (1) the provision of a range of public services and activities to stimulate public interest and action in community planning; (2) research in the field of urban and regional planning; and (3) assisting communities in formulating effective planning policies including those relating to land use, transportation, community facilities, zoning, and other development controls. The Bureau of Community Planning is interested in the problems of the rural village, the large city, the county, the metropolitan or resource region, and even the State as a whole.

#### STAFF

JOSEPH M. HEIKOFF, *Director*  
 ERIC C. FREUND  
 ALBERT Z. GUTTENBERG  
 WILLARD B. HANSEN  
 SCOTT KEYES  
 JOHN A. QUINN

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CENTER FOR URBAN STUDIES  
 UNIVERSITY OF ILLINOIS AT CHICAGO CIRCLE  
 Box 4348  
 Chicago, Ill. 60680

The Center for Urban Studies, established in 1967, is oriented toward a multidisciplinary approach to the investigation and solution of urban problems. Research and seminar programs at the Center will cover such topics as development and utilization of systems models of urban growth and development processes, research into the special problems of education within and for urban environments, urban transportation, and the fiscal activities and policies of State and local governments.

The Center has a core of full-time professional members, who will also have membership in their respective academic departments. The remainder of the senior staff will consist of regular faculty members who will be affiliated with academic departments and will divide their time between teaching and research.

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CENTER FOR REGIONAL STUDIES,  
THE UNIVERSITY OF KANSAS  
210 Summerfield Hall  
Lawrence, Kans. 66044

The Center for Regional Studies is an interdisciplinary research organization whose general purpose to contribute toward a better understanding of the process of growth and development in regional and urban areas.

To date, most of its research has been concerned with methodological issues. The Center has recently completed a technique measuring growth phenomena. It has also been instrumental in developing techniques for the optimum spacing of industrial and commercial activities within urban and regional areas. In addition, it is now in the final stages of completing a behavioral study to determine why bias exists in locational decisions against declining and depressed areas. Although it has not as yet undertaken any studies in the area of urban finance, there is a strong interest in this area as well.

The organization consists of 12 permanent staff members. Three of these are permanent professional members who serve on a release time basis from the departments with which they have regular academic appointments. They include a geographer, an economist, and a behavioral scientist. The remaining nine represent permanent auxiliary staff positions that include secretaries, an editor, a cartographer, a research librarian, and research assistants. Financial support of the Center's permanent personnel and its general operating needs are provided by the University of Kansas. Major research projects are financed through grants and contracts made available by private and public organizations.

DAVID L. HUFF, *Director.*

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CENTER FOR URBAN REGIONALISM  
KENT STATE UNIVERSITY  
811 East Main Street  
Kent, Ohio 44240

The Center for Urban Regionalism was established at Kent State University in 1965 to assist in developing a public regional view of urban problems. It focuses its academic and professional resources upon these problems through programs of instructions and research. The region serving as an immediate laboratory for the Urban Center is the rapidly growing group of urban nuclei extending from Pittsburgh to west of Cleveland.

Research has begun with the development of an essential aid to research, an urban library and information system. Studies have also been initiated in three substantive areas of regional concern: transportation, economic development, and poverty and housing.

Although the library will specialize in materials that are especially relevant to the affairs of northeast Ohio, it will also provide rapid and efficient access to all library holdings that are useful to those engaged in basic and applied urban research. The primary tool for such access will be a semiautomatic information retrieval system geared to the needs of its academic and professional users. The system is being planned and developed so that it may serve as a model for similar programs across the country. The Center is also working on a related project to develop a set of terminologies for geography that may be incorporated in machine methods of storage and retrieval.

Another project of the Center is to conduct research and a program of continuing education in the fiscal implications of community growth. The program will concentrate upon urban fringe communities which are just now beginning to experience the problems of rapid growth and increased demand for urban service. The Center will prepare materials to assist these communities in developing effective policies for zoning, subdivision control and capital investment in order to guide orderly expansion.

The Center's activities in regional planning are directed toward the collection and analysis of data about the social and economic patterns of northeast Ohio. It is also working to determine the factors involved in the decisionmaking process of companies selecting new or expanded plant and headquarters locations.

Future research will concentrate upon urban transit problems, water resources, low-income and nonprofit housing, and urban retrieval systems.

#### STAFF

- JAMES G. COKE, *Director*, Urban Government and Planning  
 JOHN E. RICKERT, Automated Information Retrieval and Urban  
 Geography  
 MICHAEL A. S. BLURTON, Transportation Economics and Manage-  
 ment  
 ROBERT D. DEAN, Regional Economic Analysis and Input-Output  
 Analysis  
 JAMES B. SKELLENGER, Housing and Community Action Programs  
 ROSE L. VORMELKER, Chief Librarian, Urban Library and Informa-  
 tion Services

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URBAN STUDIES CENTER  
 UNIVERSITY OF LOUISVILLE  
 1705 Sutherland Drive  
 Louisville, Ky. 40208

The Urban Studies Center at the University of Louisville began to function in 1966. In the interval, we have completed an intensive study of the local CAP agency, have held a series of workshops and other-

wise assisted in preparing Louisville's Model Cities application and in establishing a self-governing Model Cities Association of private organizations, helped negotiate the establishment of an interstate Metropolitan Council of Governments, and entered into a commitment to provide for the systematic participation of the citizens in this council's decisionmaking process, and have begun several title I higher education projects—all aimed at increasing and systematizing citizen participation.

JOSEPH F. MALONEY, *Director.*

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CENTER FOR RESEARCH IN URBAN GOVERNMENT  
LOYOLA UNIVERSITY  
820 North Michigan Avenue  
Chicago, Ill. 60611

The Center for Research in Urban Government of Loyola University was organized in 1965 to gather data useful to urban governmental agencies in their own research and development efforts. The Center's particular expertise falls within the areas of metropolitan government, urban administrations, urban political systems, and urban economic analysis. As an adjunct to its continuing research the Center will publish occasional studies of current political and governmental problems. While the focus of these studies will as a rule be upon the Chicago area, it is expected that the data presented will be of value to urban areas generally. The authors of these monographs represent many different professions—planners, economists, and lawyers—and are not necessarily members of the center staff. Topics have included the changing patterns of suburban politics in Cook County Ill. (Chicago area), metropolitan finance, and metropolitan government.

#### STAFF

JAMES M. BANOVEZ, *Director*  
Rev. JOSEPH SMALL, S.J.  
W. JOHN PEMBROKE  
JOHN M. DUCEY

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BUREAU OF PUBLIC ADMINISTRATION  
UNIVERSITY OF MAINE  
Orono, Maine 04473

The Bureau of Public Administration of the University of Maine was established in 1965 by act of the legislature as an integral part of the Political Science Department. The function of the Bureau is to make available university resources to the Maine government in an effort to aid in the solution of significant governmental problems of the State. Its activities include a variety of educational programs for public officials, research, and a limited publications program.

The initial research project for the Bureau was a review of the administration of the Maine property tax, a study assigned to the Bureau by the enabling legislation. A second project, undertaken with Federal funds, is a study of personnel qualifications of police recruits in Maine and the development of a standard training curriculum for the police. A study of the district court system in Maine was recently completed, and preparation of a Maine governmental data book is nearing completion.

#### STAFF

IRVINE W. MASTEES, Jr. *Director*, Career Development Specialist  
PAUL C. DUNHAM, Government Research Supervisor

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BUREAU OF GOVERNMENT RESEARCH  
UNIVERSITY OF MASSACHUSETTS  
Amherst, Mass.

The Bureau of Government Research consists of a staff of seven who have a varied background in research, teaching, and consulting work in many areas of State and local government. The staff's research has covered a wide range of governmental areas, including State and local public finance, State and local taxation, public administration, metropolitan problems, personnel administration and industrial relations, intergovernmental relations, educational research, and minority group problems.

Bureau staff members have served as consultants to both State and local officials. Consultations have concerned such areas as the formation of planning districts, antipoverty programs, public health reorganization, and charter revision. In addition, the Bureau often works with local and State officials to arrange conferences for these groups.

#### STAFF

IRVING HOWARDS, *Director*  
EDWIN A. GERE, Jr.  
ROBERT A. SHARLEY  
DAVID A. BOOTH  
JEROME MILEUS  
CARMEN D. GASO  
JAMILSON S. REID

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INSTITUTE FOR COMMUNITY  
AND EDUCATIONAL RESEARCH  
EASTERN MICHIGAN UNIVERSITY  
209 Pearl Street  
Ypsilanti, Mich. 48197

The Institute for Community and Educational Research is dedicated to the application of ecological, social-organizational, and social-psychological theory and the survey research technique to urban

problems. Such problems as support for the schools, curriculum planning, and racial integration are conceptualized and analyzed.

ICER is an interdisciplinary social science research institute. Administratively it is responsible directly to the president of the university through its seven member board of directors. Policy decisions concerning daily research procedures and operations are arrived at through the policy committee. This committee is composed of the director and staff of the Institute plus all study directors from the various academic departments who are currently carrying out research projects at the Institute.

#### STAFF

RALPH V. SMITH, *Director*, Sociology  
 RASHID BASHSHUR, Sociology and Public Health  
 STANLEY E. FLORY, Sociology and Social Work  
 GARY W. SHANNON, Urban Geography

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CENTER FOR URBAN STUDIES  
 THE UNIVERSITY OF MICHIGAN  
 DEARBORN CAMPUS  
 4901 Evergreen Road  
 Dearborn, Mich. 48124

Since its establishment in 1964, the Center for Urban Studies has been engaged in transportation research, and research on residential location and shopping centers. It is currently evaluating services provided by a community action service center.

URBAN-REGIONAL RESEARCH INSTITUTE,  
 MICHIGAN STATE UNIVERSITY,  
 201 Urban Planning Building,  
 East Lansing, Mich. 48823

The Urban-Regional Research Institute was initiated in 1966 at Michigan State University within the College of Social Science. Institute research focuses on urban policy formation, urban problems, and applications of computer technology to both of the former. The Institute's objectives include promotion of systems analysis concepts and techniques in the study of urban growth and change, both for the creation of a coherent framework for urban growth and for the introduction of cost-effectiveness approaches to urban government. Most of the current work of the Institute centers on urban simulation, in particular, the various uses of gaming-simulation (the "METRO" project) for transmitting an understanding of urban development to public officials and for aiding research on the future of urbanism. The Institute has developed an extensive data file on the socioeconomic characteristics of the Lansing, Mich., metropolitan area with a primary objective of making Lansing a laboratory community for urban research.

The Institute has a staff of seven researchers (multidisciplinary) and computer specialists plus secretarial personnel. The Institute is housed in new offices in the School of Urban Planning. An IBM 1130 computer system is maintained by the Institute for research use along with an X-Y digitizer for transferring data from graphic and mapped form into machine readable digital forms. Additional equipment on order includes a 30-inch plotter and remote terminals to be used for experimental work in the study of urban information systems and to support the operation of the gaming-simulation program. Work has also been started to utilize computer aided instruction through carrel-based programmed instructional materials developed in support of the urban planning educational programs. Carrels will be equipped with slide projectors, tape recorders, calculators, reading materials, and access to the remote computer terminals.

At Michigan State, there is a considerable interest in urban management systems and, for the past 2 years, development of a concept called the laboratory community, using Lansing as the base. The laboratory community uses a highly abstracted set of historical and current data for the city of Lansing; it uses on-line access to a small computer with a relatively large memory; it has entailed the conceptualization of theoretical models which show the relationship between some of the major components and activities within the community. The work has at least three prime objectives: first, to provide better understanding of the community and how its various components interact; second, to develop devices to train the urban decisionmaker in the implications and effective use of the new electronic systems; and, third, to achieve some ability to predict the major activities of a community, and therefore the consequences of one alternative vis-a-vis others which may be stipulated.

RICHARD D. DUKE, *Director.*

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BUSINESS AND PUBLIC ADMINISTRATION RESEARCH CENTER,  
UNIVERSITY OF MISSOURI,  
Columbia, Mo. 65201

The Research Center, which was established in 1959, has been restructured within the past year to emphasize work in two areas: Urban affairs and international development. For organizational purposes research areas are divided into four categories: (1) Public affairs programs, which include urban systems studies; (2) resource development programs, which include manpower and population studies and transportation studies; (3) administration programs, which include systems analysis studies and intergovernmental studies; and (4) the opinion survey program.



## STAFF

ROBERT PATTERSON, *Director*  
 RANDAL G. DOWNING, Director of Public Affairs Programs  
 DAVID LEUTHOLD  
 DAVID LEEGE, Director of Opinion Survey Programs  
 FLOYD K. HARMSTON, Director of Resource Development Programs  
 PAUL JUNK  
 JOHN BRAZZEL  
 CARMEN MENEZES  
 DONALD MURRAY  
 JAMES PINKERTON  
 RUDYARD GOODE, Director of Administration Programs  
 CARL BLOCK  
 GRACE JOHNSON

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CENTER OF COMMUNITY AND METROPOLITAN STUDIES  
 UNIVERSITY OF MISSOURI AT ST. LOUIS  
 8001 National Bridge Road  
 St. Louis, Mo. 63121

The Center of Community and Metropolitan Studies of the University of Missouri at St. Louis was established in 1965 to coordinate research, training, and community service projects in the St. Louis metropolitan area. During 1966-67 the Center's research activities included the development of a critical bibliography of economic development information sources for the three-State Ozark Region Commission; assistance to a member of the psychology department in a factor analysis dealing with social, economic, and political data on Missouri counties; and a sample survey of businessmen in one of the declining business districts of St. Louis, which formed the basis for a proposal for an Economic Development Center for Missouri, currently under consideration by the Economic Development Administration.

Community service projects have included work with various local agencies in preparing applications for financial assistance for programs related to the Neighborhood Youth Corps and work with several regional councils to develop a proposal for a cooperative urban data system for the St. Louis metropolitan area.

## STAFF

B. G. SCHUMACHER, *Director*, Public Administration  
 EARL J. REEVES, Local Government  
 JAMES J. SOLEM, Local Government  
 HERBERT WERNER, Urban Economics  
 RICHARD GILMAN, Sociology Occupations  
 JOYCE LILLIE, Political Behavior

URBAN STUDIES INSTITUTE  
MORGAN STATE COLLEGE  
Coldspring Lane and Hillen Road  
Baltimore, Md.

The Urban Studies Institute of Morgan State College is concerned not only with urban problems of the Baltimore area but in a limited number of cases with problems of the State of Maryland as well. In the first years following its establishment in 1963, emphasis was placed on its community extension activities. Now research activities are receiving increasing attention, without sacrificing the community extension phase of the program. Research projects have included a report on unemployment and the inner city of Baltimore, a study of the Baltimore community action program, a series of papers on the conceptualization and measurement of urban poverty done jointly with the Institute for Environmental Studies of the University of Pennsylvania, and a study of urban renewal's impact upon segregated housing.

#### STAFF

HOMER E. FAVOR, *Director*  
MARJORIE F. TROY  
GEORGE F. REED  
JOHN H. SIMPSON  
PHILIP N. ANTOKOK

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CENTER FOR NEW YORK CITY AFFAIRS  
NEW SCHOOL FOR SOCIAL RESEARCH  
70 Fifth Avenue  
New York, N.Y. 10011

The Center for New York City Affairs, established in 1965, continues the new school format of providing college-level courses and seminars for interested adults. The Center's activities are focused upon the study of the New York metropolitan region. Its programs seek to provide professionals and other interested persons with an opportunity to identify and analyze the problems of New York City.

The Center's program includes general courses on city affairs, seminars on critical problems for professionals and civic leaders, the Metropolitan Information Service, a research program, and a number of special lectures open to the community-at-large.

The Metropolitan Information Service is a unit to the Center established to collect and maintain information concerning organizational and research activities which pertain to New York City. The Metropolitan Information Service keeps files on all citywide organizations—their purposes, programs, officers, and publications—and on important research studies, reports, and new action programs as well.

Research studies are undertaken which relate to specific aspects of both the central city and the larger metropolitan region. The program was initiated in 1965 with a major investigation of public health

services—government-sponsored and private—in New York City, which explored how well such services meet the changing health problems of the city.

The first publications to be produced by the Center are two books—one on urban renewal in New York City, the other on the city's poverty program—both based on seminars sponsored by the Center on those topics during 1965. Books, monographs, and other publications to be issued regularly by the Center will be derived from on-going programs including research studies, special lectures, and courses.

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LOCAL GOVERNMENT STUDIES CENTER  
GRADUATE SCHOOL OF PUBLIC AFFAIRS  
STATE UNIVERSITY OF NEW YORK AT ALBANY  
Sayles Hall, 179 Partridge Street  
Albany, N. Y. 12203

The Local Government Studies Center was established in the Graduate School of Public Affairs in 1962. The Center serves three major functions: Research, clearinghouse on metropolitan problems, and publications.

The Center is the Graduate School's vehicle for organized research and is staffed by a director and research and editorial assistants. Projects are undertaken at the request of various governmental agencies and other organizations and afford faculty members and qualified students opportunities to engage in projects of professional value.

The Local Government Studies Center incorporated the major functions of the Conference on Metropolitan Area Problems which had been organized in 1957 by the Government Affairs Foundation.

An extensive collection of documentary materials on metropolitan problems in the United States and abroad is maintained by the Center and is a rich resource of information for research and teaching at the graduate school and elsewhere.

A network of correspondents throughout the United States and abroad supply the Center with current information and documents on metropolitan developments. The Center performs a major information clearinghouse role by answering inquiries from all over the world for data on metropolitan problems.

The Center has continued the publication of Metropolitan Area Digest, a bimonthly report on metropolitan developments. The Digest is a source of reliable and timely information on metropolitan developments throughout the world. An important section of the Digest is the bibliography published through a cooperative arrangement with the Institute of Governmental Studies, University of California at Berkeley.

The Center publishes annually Metropolitan Surveys. The 1966 edition annotates 350 metropolitan studies in the United States, Canada, and England. Reports issued by study groups are deposited in the Center.

Metropolitan Area Annual, a reference volume, is published by the Center and contains up-to-date information on metropolitan areas including the official definition of "Standard Metropolitan Statistical Area," a listing of the Standard Metropolitan Statistical Areas, a listing of metropolitan councils of governments, an analysis of the changing nature of metropolitan surveys, an annotated listing of metropolitan surveys, and a metropolitan area bibliography.

The Center is responsible for the publication of the Graduate School's monograph series on public policy issues. *Local Public Welfare Administration*; *Fiscal Policy and the Public Social Services*; and *Training in Modern Society* have been published. Scheduled for publication are *Economic Welfare and the Development of the Mohawk Region*; *Life Experiences and Organizational Values*; *Urban County Reorganization in New York*; *Strikes by Government Employees in New York State*; and *The Massachusetts Town Meeting: A Tenacious Institution*.

JOSEPH F. ZIMMERMAN, *Director*.

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GRADUATE SCHOOL OF PUBLIC ADMINISTRATION  
NEW YORK UNIVERSITY  
Washington Square  
New York, N.Y. 10003

A very large part of the work of the Graduate School of Public Administration of New York University concerns various aspects of urban problems, for the school houses the university's programs in urban planning and in urban economics, as well as the formal programs in public administration (which emphasize urban government and administration). Its principal current efforts are the following:

(1) A 3-year project, begun in September 1966, consisting of a set of related studies of the connections between public service levels, local tax differentials, and the location of business activity and residences within metropolitan areas, principally using New York area statistical evidence.

(2) A 1-year project begun in the summer of 1966, investigating the effect and financing of public service improvements designed to make the older cities of the New York region more attractive residential locations.

Major recent efforts have included:

(1) A study, from 1962 to 1964, of the economics of the property tax in the United States.

(2) A large-scale study, from 1964 to 1966, of New York City's finances, done under contract with the city's temporary commission on city finances.

RAY F. HARVEY, *Dean*.

CENTER FOR URBAN AND REGIONAL STUDIES  
INSTITUTE FOR RESEARCH ON SOCIAL SCIENCE  
UNIVERSITY OF NORTH CAROLINA  
Evergreen House  
Chapel Hill, N.C. 27514

The activities of the Center for Urban and Regional Studies originated in 1953-54 as an informal seminar among faculty in city planning, political science, sociology, anthropology, and economics. In 1957 the group, then known as the Urban Studies Program, undertook its first research effort, a study of 12 North Carolina counties called the Piedmont Industrial Crescent. The study, which extended over a 6-year period, consisted of some 15 projects which fell within four major groups: (1) The growth potential of the crescent cities within an urbanizing region and particularly the economic variables affecting the growth outlook; (2) a study of the leadership of the region—corporate, governmental, and civic—and the political behavior of leadership groups on urban issues; (3) attitudes of city dwellers of region toward urban growth; and (4) an analysis of factors which influence the direction and intensity of urban growth. These studies were published in 1962 under the title "Urban Growth Dynamics."

With the conclusion of this first research effort, the Center for Urban and Regional Studies was established within the Institute for Research in Social Science to carry forward research in selected areas identified in the course of the first project. Two related but distinct areas have been stressed. One focuses on the implications of selected public policies on urban growth—policies relating to the location of highways, sewers, and schools as well as the zoning of land. This work has involved the development and experimental use of models for simulating the growth of cities. The other has been concerned with the attitudes and behavior of urban residents toward their environment, especially toward residential livability and access to community facilities, and how these factors affect the movements of households.

F. STUART CHAPIN, *Research Director.*

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THE TRANSPORTATION CENTER  
NORTHWESTERN UNIVERSITY  
1818 Hinman  
Evanston, Ill. 60204

The Transportation Center of Northwestern University comprises a degree program leading to the M.S. or Ph. D., management seminars held for transportation executives, and research activities. The concern of the Center may be broadly expressed as the economic analysis of the problems of the transportation industry. The academic programs of the Transportation Center include educational activities which are part of the regular curriculum of Northwestern University. Current programs include a graduate level program of interdepartmental studies in transportation, the Summer Institute in Transportation, and a program of doctoral fellowships. The curriculum for

these students draws upon the disciplines of geography, business, political science, sociology, economics, and engineering.

The primary goal of the Center's management programs is to equip transportation executives to cope more effectively with the challenges they encounter in business. Among the topics of past conferences have been profit strategy, market strategy, the economics of petroleum distribution, and an advanced transportation management program.

The research activities of the Center concentrate upon matters which are of general concern to an industry or to the transportation community, and the results of this research are made generally available to the transportation industries. For the most part, the Center's work is undertaken by groups of scholars at Northwestern University who hold faculty appointments in various academic departments.

Among recently completed research have been a study of transportation and the economic structure of an urban area; a comparison of the effect of differential taxation—local, State, and Federal—upon resource allocation in transportation; marketing research case studies on several rail and trucking companies; and an economic analysis of trends in transportation.

#### STAFF

- WILLIAM L. GARRISON, Director of the Transportation Center  
 DONALD S. BERRY, Transportation Planning and Engineering  
 EDWIN N. THOMAS, Director of Research, Transportation Systems Analysis  
 DUANE F. MARBLE, Director of Academic Programs  
 ARTHUR P. HURTOR, Jr., Economic Analysis of Transportation Problems  
 GUSTAVE J. RATH, Systems Analysis and Program Budgeting Techniques  
 RICHARD P. WORRALL, Traffic Flow Theory and Travel Behavior Analysis  
 EDWARD D. NORLOK, the Application of Operations Research and Quantitative Methods of Transportation Problems  
 ABRAHAM CHARVES, Mathematical Methods in Management, Systems Analysis  
 MICHAEL F. DACEY, Statistical and Mathematical Analysis of Map Patterns and Area Distributions  
 JOSEPH L. SCHOFER, Urban Transportation Planning  
 MARTIN WACHS, Transportation Systems Analyses, Methods of Statistical Analysis
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URBAN AND REGIONAL PLANNING PROGRAM  
 DEPARTMENT OF CIVIL ENGINEERING  
 NORTHWESTERN UNIVERSITY  
 Evanston, Ill. 60201

The Urban and Regional Planning Program of the Department of Civil Engineering at Northwestern University is a graduate-level program directed toward the production of engineers with a Ph. D. or M.S. degree in the course of the program. The activities of the students and faculty generate a substantial amount of research.

There are five major areas covered by the Program: (1) transportation engineering, (2) urban transportation planning, (3) urban systems engineering, (4) urban and regional planning, and (5) environmental health planning. The program in urban transportation planning stresses the analytical approach to designing and operating transportation systems and draws upon the tools of operations research, statistics, systems analysis, and data management. The programs in urban systems engineering and urban and regional planning emphasize comprehensive interdisciplinary problems encountered in measuring the environment. The Program is particularly interested in problems involving interactions and interfaces among complex systems, including the analysis of concomitant consequences of physical systems (social impacts, visual impacts, quality of the environment, and economic and developmental effects).

The Program is also doing research on quantitative analysis of the subjective values related to the physical environment. This work is directed primarily toward a better understanding of human goals so that effective criteria can be developed for plan evaluations and design. This study has been concentrating on visual perception of the environment, of open space, and of recreational needs. The combined programs share a staff of 10 full-time faculty members. In addition, it draws upon faculties in operations research, systems analysis, and social sciences available through the university.

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CENTER FOR COMMUNITY AND REGIONAL ANALYSIS  
OHIO STATE UNIVERSITY  
1775 South College Road  
Columbus, Ohio 43210

The Center for Community and Regional Analysis is an interdisciplinary department which focuses largely on basic research pertaining to the community, particularly the urban community. The first study of the Center, following its establishment in 1963, was a factor analytic study to determine the basic structure and dimensions of the community. This study served as the basis for a book, "Changing Community Dimensions."

The community dimensions study served as the basis for two related studies. One study is concerned with the geographic and economic aspects of educational need. The second study generated pertains to the relationship between the level of economic activity and other community dimensions. In the future the Center will continue to delineate the social structure of the community by a study of the standard metropolitan statistical areas.

The Center's current activity is largely confined to a study (1) to determine whether or not there is a significant relationship between race riots and social, ecological, and economic structure of the city; and (2) to develop a technique for predicting the likelihood of rioting on the basis of the degree to which cities approximate a riot city model. While a major concern is with clarification of theories of collective behavior, this study should have practical value in riot prevention and control.

Another current project involves a survey of the literature pertaining to the gap between the onset of blindness and the utilization of community services for the blind, e.g., therapy, employment, etc. It is expected that this will serve as the initial phase of an in-depth study of the problem.

Proposed future research includes a long-range study of the total residential environment. Phase 1 examines factors associated with the adjustment of the family to its total residential environment: the house, the neighborhood, and the community. Phase 2 will study the social, economic, psychological, and physiological impact of public housing on residents. Phase 3 involves designing an optimal low cost public housing project; and, in the fourth phase, this project will be constructed. The fifth phase will compare the impact of the optimal environment with that of conventional public housing projects.

Other proposals are a longitudinal study to measure the impact of specific poverty programs in terms of changes in income, level of living, family cohesion, attitude change, and a study to measure the efficacy of the Headstart program in Ohio in eliminating academic deficiencies among culturally deprived children, as well as changes in homelife.

BYRON E. MUNSON, *Director.*

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OKLAHOMA CENTER OF URBAN AND REGIONAL STUDIES  
UNIVERSITY OF OKLAHOMA  
Norman, Okla.

The Oklahoma Center of Urban and Regional Studies is an administrative division of the University of Oklahoma Research Institute, a nonprofit corporation. The Center provides Oklahoma communities with professional services, conducts research to support such efforts, and gives its staff and students experience in planning and development.

A major project of the Center was the drafting of the metropolitan planning law under which many cities of the State now operate. The Center also promoted the establishment of metropolitan planning commissions throughout the State, provided the professional planning personnel to conduct metropolitan studies, and worked with local planning agencies to effect such plans.

The staff is made up of faculty drawn from a variety of disciplines—economists, sociologists, urban and regional planners, architects, lawyers, engineers, and anthropologists.

LEE RODGERS, *Director.*

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INSTITUTE FOR COMMUNITY STUDIES  
UNIVERSITY OF OREGON  
Eugene, Oreg. 97403

The Institute for Community studies was established in 1959 to provide for the continuation and expansion of a research program in community analysis conducted at the University of Oregon during the



previous 7 years under the financial sponsorship of the W. K. Kellogg Foundation. The primary objectives of the Institute are to encourage research, provide resources and facilities to those conducting research, and provide research training for graduate students. For the past few years the Institute for Community Studies has provided support for individual projects, most of which have a community orientation, and most of which focus on the structure and functioning of the community as a social and political system. Projects are funded on the merits of the individual proposals and there is no single overall program.

ROLAND J. PELLEGRIN, *Director.*

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INSTITUTE OF ENVIRONMENTAL STUDIES  
UNIVERSITY OF PENNSYLVANIA  
Philadelphia, Pa. 19104

The Institute for Environmental Studies was established by the University of Pennsylvania in 1965 to carry on a continuing program of study and research focused on the nature and control of man's environment, considered to be the concern common to all of the teaching divisions of the Graduate School of Fine Arts. The Institute for Environmental Studies consolidates and expands the research programs of two predecessor institutes, the Institute for Urban Studies (established in 1951) which was allied to the Department of City and Regional Planning and the Institute for Architectural Research (established in 1959) which was allied to the Department of Architecture.

In addition to university funds, support for the activities of the Institute comes from gifts and grants from individuals and foundations, from grants and contracts with National, State, and local governments and with other countries and the United Nations, and through private contracts.

The activities of the Institute are loosely organized into several research groups for purposes of interchange of ideas and coordination of activities among persons having common interests in a general area of investigation. The number and nature of these groups are intended to change as the interests and needs of faculty and students change.

Currently research projects are being conducted in the following groups:

- Architecture and building research studies in civic design historical studies.

- Human resources program international studies in urban planning.

- Studies on legal aspects of planning and development control.

- Research on natural sciences in landscape architecture and regional planning.

- Planning sciences.

- Regional planning studies transportation research studies in urban social planning urban studies.

INSTITUTE OF PUBLIC ADMINISTRATION  
PENNSYLVANIA STATE UNIVERSITY  
302 Engineering E  
University Park, Pa. 16802

The Institute of Public Affairs of Pennsylvania State University conducts a graduate program leading to the master's degree in public administration and the master's and doctor's degrees in political science. The faculty of the Institute also carries on research in a number of areas of political science, both on contract and independently.

Research projects relating to urban affairs include a study of the impact of library services on five medium-sized cities in Pennsylvania; a survey of poverty in Fayette County, Pa.; a study of community action agencies and decisionmaking for education in seven cities throughout the United States; and a 3-year study of the impact of bureaucracy upon social change and economic development in Chile and Peru. Other projects are an exploration of the relationship between economic class and political attitudes, including attitudes concerning support for governmental services, and the response of the political systems of a selected group of cities to the economic changes of the past few years. Among specific projects are an intensive analysis of the impact of Federal funds upon two cities, Altoona and Bethlehem; an intensive study of the Hazleton area to determine alternative governmental structural configurations to meet the demand of an emerging urban area with reconstructed economic base; and an extensive analysis, based upon aggregate data, of the relationship between economic and social characteristics and political change in 43 medium-sized cities of Pennsylvania.

The studies concentrate upon medium-sized cities, partly because of the Institute's location, but also because of its conviction that the problems and characteristics of the medium-sized city permit exploration within a more manageable framework of the problems associated with the larger metropolises.

#### STAFF

ROBERT J. MOWITZ, *Director*  
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ROBERT DARWIN LEE  
BOB FIMRING  
NICHOLAS A. MASTERS  
EDWARD KEYNES  
JAMES FRANK PETRAS  
DAVID L. WESTHY

INSTITUTE FOR RESEARCH ON LAND AND WATER RESOURCES  
 PENNSYLVANIA STATE UNIVERSITY  
 108 Research Building 3  
 University Park, Pa. 16802

The major aim of the Institute for Research Land and Water Resources is to originate and coordinate research in land and water resources and to disseminate information and reports on research activities. The research program is universitywide in its scope, and cooperative arrangements may be developed with any unit of the university.

Major emphasis in the Institute's research program has been given to interdisciplinary aspects of land and water resources and includes such considerations as physical, economic, and institutional development. Thirty to thirty-five broad lines of research are in progress under the program of the Institute, with concentrations in such areas as pollution control, renovation of waste water, development of water supply systems to meet community and regional needs, improvement of community transportation systems, regulation of land-use development around highways, improvement of land use, planning, and zoning procedures. Current research of particular interest for urban affairs includes methods of applying input-output models to urban areas, integrated storm water planning for multiple land-use urban and suburban developments, and land-use planning for roadside development.

Scientists and engineers from many different departments on campus are conducting these investigations. Included are civil, sanitary, agricultural, and industrial engineers; geologists; foresters, sociologists; economists; veterinary, soil, and mineral preparation scientists; and regional planners. More than 60 professionals make up the research staff.

The Institute is active in encouraging publications. The major emphasis is on contributions to technical and professional journals. Limited copies of project reports and summaries are printed within the Institute itself.

#### STAFF

JOHN C. FREY, *Director*

E. BRUCE JONES, Assistant Director, Water Resources Management and Hydrology

HAYS B. GANIBLE, Assistant Director, Regional Analysis and Regional Economic Growth

HERBERT L. BARNES, Geochemistry Information and Chemistry of Hydrothermal Processes

EDGAR J. BATTISON, Regional Studies

BARBARA J. BECKER, Hydrology

JOHN J. COYLE, Highway Impact

DONALD M. CRIDES, Rural Sociology

BENJAMIN V. DALL, Legal Studies

H. KIRK DANSEREAU, Highway Impact

THOMAS B. AVINROY, Transportation Engineering; Air Travel Patterns

DAVID E. DAVIS, Ecology

DANIEL DERR, Agronomy

ROGER H. DOWNING, Water Reservoir Impact

WILLIAM L. DUGAY, Mineral Preparation

JOSEPH P. EICHERT, Agronomy  
 RAYMOND W. EYERLY, Highway Impact  
 DONALD J. EPP, Resource Economics  
 PAUL J. GANTZ, Veterinary Microbiology  
 JANET H. GLASS, Regional Studies  
 MICHAEL GOODFELLOW, microbiology and bacteriology  
 MILTON C. HALBERG, Highway Severance Damage  
 ROBERT E. HOWELL, Rural Sociology  
 J. DEAN JANSMA, Regional Studies and Water Utilization  
 JAMES D. JARDINE, Soil Physics  
 LOUIS T. KARDOS, Water Movement in Soils  
 STUART D. HAUSNER, Agronomy  
 GLENN N. KLINE, Forest Resources  
 R. RUPERT KOUNTZ, Water Resources Quality  
 ALAN S. LRUG, Regional Studies  
 RICHARD LEE, Forest Hydrology  
 WESLEY H. LONG, Regional Economics  
 HAROLD L. LOVELL, Water Purification  
 JAMES A. LYNCH, Forest Resources  
 ROY P. MATELSKI, Land Classification Studies  
 ARCHIBALD J. McDONNELL, Sanitary Engineering  
 DANIEL C. McLEAN, Water Purification  
 EARL A. MYERS, Agricultural Engineering  
 JOHN B. NESBITT, Sanitary Engineering  
 RICHARD R. PARIZEK, Ground Water Geology and Hydrology  
 ROBERT D. PASHEK, Transportation Economics  
 CARROLL D. PRICE II, Recreation Research  
 DAVID L. RAPHAEL, Regional Studies, Mathematical Simulation  
 Techniques  
 BRIAN M. REICH, Urban and Small Watershed Hydrology  
 LEE ROSENBERGER, Sanitary Engineering  
 OWEN H. SAUERLENDER, Highway Compact  
 WAYNE A. SCHUTJES, Water Reservoir Impact  
 ANDREW J. SOFRANKO, Rural Sociology  
 WILLIAM E. SOPPER, Forest Hydrology Watershed Management  
 WILLIAM M. SUOPE, Regional Analysis  
 HAROLD H. TAYLOR, Highway Severance Damage  
 THEOLA F. THEVAAS, Agricultural Resources  
 RICHARD D. TWARK, Highway Impact

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CENTER FOR REGIONAL ECONOMIC STUDIES  
 UNIVERSITY OF PITTSBURGH  
 211 South Dithridge Street  
 Pittsburgh 13, Pa.

The Center, which was established in 1962, considers its primary function to facilitate projects in regional (including urban) economics conducted by members of the Economics Department and its graduate students. The Center does not carry on a research program as such, nor does it actively solicit applied research contracts.

## STAFF

DAVID BRAMHALL, *Director*  
 EDGAR M. HOOVER  
 MARK PERLMAN  
 DAVID HOUSTON

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INSTITUTE OF LOCAL GOVERNMENT  
 GRADUATE SCHOOL OF PUBLIC AND INTERNATIONAL AFFAIRS  
 UNIVERSITY OF PITTSBURGH  
 Pittsburgh, Pa.

The Institute of Local Government, established in 1944, is a public service agency of the university. It serves as a clearinghouse for information on local legislation and administrative practices, conducts studies and research on problems of local government, and, in general, renders assistance to local governing bodies and associations of local officials.

The Institute's primary role is to provide municipal extension training for municipal legislators, professional personnel (planners, managers, and other department heads), and lay commissioners in the fields of planning, recreation, zoning, and civil service.

Although the Institute is basically interested in in-service training, it does engage in a limited amount of research, some of which is undertaken on contract. Projects have included a public-service analysis for ACTION-Housing, a study of police recruiting, and an inter-governmental purchasing study for the region's voluntary intergovernmental council.

JOSEPH A. JAMES, *Director*.

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RESEARCH CENTER FOR URBAN AND ENVIRONMENTAL PLANNING  
 PRINCETON UNIVERSITY  
 Princeton, N.J. 08540

The Research Center for Urban and Environmental Planning was established within the School of Architecture in 1966. The Center provides a focus for faculty members, staff, and students at Princeton who have an interest in research concerning the methods used in solving complex problems of planning for urban and regional development. Researchers from many disciplines including engineering, the natural sciences, the social sciences, the humanities, and public affairs are invited to work with the architects and planners at the Center.

The principal study areas upon which the Center expects to concentrate are intended to develop fundamental knowledge and theory which will clarify the problem-solving process that may be used by the community and professional groups which serve the community. Typical study areas are (1) methods of specifying performance requirements; (2) methods of generating alternative solutions; and (3) methods of evaluating planning alternatives and developments.

The first work of the Center was in support of the programs of Paul Ylvisaker and the New Jersey Department of Community Affairs.

The Center assisted in the development of methods for programing user requirements in cooperation with community groups who may sponsor housing developments under recent New Jersey legislation.

BERNARD P. SPRING, *Director*.

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BUREAU OF BUSINESS AND ECONOMIC RESEARCH  
SCHOOL OF BUSINESS ADMINISTRATION  
SAN DIEGO STATE COLLEGE  
San Diego 15, Calif.

As part of the activities of the Bureau of Business and Economic Research, the School of Business Administration conducts a real estate research program, many of whose studies are focused on the San Diego area. The Bureau's function is to provide support for specific research projects undertaken by certain faculty members.

Among recent projects of faculty associates have been a study of trends in urban residential development in San Diego and Imperial Counties, a study of San Diego real estate investment groups, a text on California real estate finance, and a 10-year survey of the office space market in downtown San Diego.

It is common for members of the Bureau's staff to bring researchers from other academic areas into a project where necessary. In particular, cooperative efforts between the Bureau staff and faculty in psychology and the political science department, which has recently initiated a master's program in city planning, are expected in the future.

#### STAFF

E. ALAN HALE, *Director*, Statistics and Economics  
GERALD K. SHARKEY, Statistics, Economics, and Transportation  
DON C. BRIDENSTINE, Economics, Statistics, and Finance  
WILLIAM H. HIPPAKA, Real Estate and Finance

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PUBLIC AFFAIRS RESEARCH INSTITUTE  
SAN DIEGO STATE COLLEGE  
San Diego, Calif. 92115

The Public Affairs Research Institute is a research institute whose staff members also serve on the faculty of San Diego State College. Its primary interests lie in the fields of public affairs and urban growth and development. It has been involved in a number of studies primarily related to the San Diego urban area. The Public Affairs Research Institute has also had an interest in educational programs of benefit to urban citizens, public officials, and public employers, and has been involved in several conferences and related activities. The Institute is currently involved in studies which concern the relation between local government and preplanned communities in San Diego, several studies concerned with planning and planning politics in the area, and an extended bibliography of materials on urban computerized "data banks."

## STAFF

W. RICHARD BIGGER, *Director*, Local Government and Politics,  
Finance  
 HAROLD H. HAAK, Public Administration  
 B. DOUGLAS HARMAN, Planning, Urban Government  
 JAMES D. KITCHEN, Local Government and Politics  
 EDWARD J. NEUNER, Economics, Finance  
 DON B. LEIFFER, Local Government and Politics, Planning  
 ROBERT F. WILCOX, Public Administration, Local Government

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INSTITUTE OF COMMUNITY STUDIES  
 SARAH LAWRENCE COLLEGE  
 BRONXVILLE, N.Y.

In 1965 Sarah Lawrence College created an Institute of Community studies. The purposes of the Institute are threefold: (1) to open opportunities for students in planning teaching, and research in communities; (2) to develop a research center where scholars may pursue intensive study; and (3) to conduct a variety of community service activities including seminars, workshops, and community and social agency consultation.

At present the Institute is engaged in three major projects: an analysis of the participation of parents, community, and school officials in the integration controversies of the New York City Public School system; the administration of the Sarah Lawrence Upward Bound program during the academic year; and a project of mobilizing leadership of Mount Vernon, N.Y., for community action, funded under title I of the Higher Education Act. Additional projects are a study of ethnicity of Westchester County leadership, the design of an in-service training program for Yonkers early childhood teachers, and analysis of housing decision making in New York City over a 30-year period.

BERT A. SWANSON, *Director*.

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CENTER FOR URBAN RESEARCH AND ENVIRONMENTAL STUDIES  
 SETON HALL UNIVERSITY  
 SOUTH ORANGE, N.J. 07079

The Center of Urban Research and Environmental Studies was established in 1966. Its purposes are to conduct basic and contract research regarding urban and regional problems; disseminate the findings of basic research through reports, books, and symposiums to urban officials and private investors; and to provide a coordinating mechanism for disciplines and institutional activities pertaining to urban problems.

Past research projects have included an economic base study of Newark, N.J., and an administrative study of public and private

agencies engaged in urban renewal in Newark, both done for the Newark Housing Authority, and a master plan for Manalapan Township. The Center is currently sponsoring a program examining the political problems of urbanization in New Jersey. Other possible studies are an examination of air pollution problems in Newark and a community attitude study for the Police Department of Elizabeth, N.J.

#### STAFF

BERNARD J. STUCK, *Codirector*, Geography  
 WILLIAM J. DOERFLINGER, *Codirector*, Economics  
 RICHARD J. CONNERS, Political Science  
 WILLIAM V. PYE, Environmental Studies  
 ARTHUR J. BRAY, Jr.

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BUREAU OF URBAN AND REGIONAL STUDIES  
 UNIVERSITY OF SOUTH CAROLINA  
 Columbia, S.C. 29208

The Bureau of Urban and Regional Studies, formed at the University of South Carolina in 1966, was organized with the intent of bringing faculty expertise to bear upon the problems of the State. Its initial activities have been limited to an "Economic Projections Study for South Carolina" and a "Community Problems Research Forum" project.

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GOVERNMENTAL RESEARCH BUREAU  
 UNIVERSITY OF SOUTH DAKOTA  
 Vermillion, S. Dak. 57069

The Governmental Research Bureau, founded in 1939, undertakes a variety of research papers which are used by State legislators, State agencies, and municipal officials. In general, the focus of its work is upon South Dakota. Within urban affairs, its particular concern is the smaller urban center.

While much of the publication by the Bureau in the past was directed toward the general public rather than the academic or professional audience, the Bureau plans to expand its future publications. Proposed topics are personnel recruitment, training, and maintenance; land use policy; community communications; reorganization for local government efficiency; and public policy discussions.

#### STAFF

W. O. FARBER, *Director*, Urban Planning, State and Local Government  
 ALAN L. CLEM, *Associate Director*, Political Dynamics, Community Politics, Legislative Process  
 FRED W. ZUERCHER, Metropolitan Government, Personnel, Public Administration  
 THEODORE R. MUENSTER, Political Dynamics, Public Administration



INSTITUTE OF URBAN ECOLOGY  
UNIVERSITY OF SOUTHERN CALIFORNIA  
Los Angeles, Calif. 90007

The Institute of Urban Ecology is an all-campus interdisciplinary enterprise engaged in mutually supporting programs of research, graduate education, public information, and community service. It serves as an integrative and coordinating force for a large number of already-existing, problem-oriented institutes with which it is affiliated at the university. Its interests range across the spectrum from matters concerning epidemiological investigations in the public health field to urban design, city planning, and studies of delinquent behavior in urban communities. In contrast to its affiliates, the primary focus of the Institute has been on the reciprocal impacts between man and his physical environment as well as on the subject of environmental management systems. At present, the operations of the Institute and its affiliates involve permanent staffs varying between 75 and 100 members, in addition to approximately 130 members of the faculty identified as faculty associates of the Institute itself.

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COMMUNITY DEVELOPMENT SERVICE  
SOUTHERN ILLINOIS UNIVERSITY  
Anthony Hall  
Carbondale, Ill. 62901

The Community Development Service of Southern Illinois University has been engaged primarily in assisting communities in community development programs, through self-study of the community, organization for action, and assistance on government programs. It has worked with many communities in southern Illinois in the past 14 years including the city of East St. Louis, where it assisted a representative community organization based on neighborhood participation for 9 years. It has not engaged in research or publications to any great extent though in 1966 it published a book of case studies entitled "Patterns in Community Development."

ROBERT E. KNITTEL, *Director*.

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PUBLIC ADMINISTRATION AND METROPOLITAN AFFAIRS PROGRAM  
SOUTHERN ILLINOIS UNIVERSITY  
Edwardsville, Ill. 62025

The Public Administration and Metropolitan Affairs Program of Southern University's Edwardsville Campus is a service agency engaged in three primary activities: research, training, and consultation. Research has been conducted in such fields as urban development and redevelopment, housing, community renewal, planning, employment and unemployment, fiscal problems, and tax studies. In conjunction with this research, the program has contracted

for consultation with public and private organizations in the areas of schools, highways, population, and urban studies and have completed public attitude surveys and technical reports.

The program has also conducted training of citizen groups and public officials and it has held seminars in areas of public administration. As an interdisciplinary program, it has a staff of professional personnel in the fields of sociology, political science, economics, and urban planning.

#### STAFF

SEYMOUR Z. MANN, *Director*, Public Administration  
 JANE ALTES, Urban Sociology  
 PHILIP MERANTO, Government  
 DAVID RANNEY, Government and Economics  
 BOONE HAMMOND, Urban Problems and Race Relations  
 LEO COHEN, Taxation and Fiscal Management  
 ROBERT MENDELSON, Urban Planning

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METROPOLITAN STUDIES PROGRAM  
 THE MAXWELL SCHOOL  
 SYRACUSE UNIVERSITY  
 607 University Avenue  
 Syracuse, N. Y. 13210

The Metropolitan Studies Program of the Maxwell Graduate School of Public Affairs is, first, a graduate teaching program in the social sciences which enables candidates from different disciplines to focus upon urban and regional problems. Each program draws on the resources of several departments and, in some cases, several schools. All the programs are built on Maxwell's strength in the social sciences, public policy, and administration.

The Metropolitan Studies Program was established in 1961 and several new faculty members have since been brought into the departments of the university, specifically for the purpose of offering courses and conducting research in the fall. In all, there are at least 30 faculty members within the university who have some aspect of the urban-metropolitan field as one of their major interests.

#### STAFF

STEPHEN K. BAILEY, *Dean*, Maxwell Graduate School  
 ALAN K. CAMPBELL, *Director*, Metropolitan Studies Program  
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 ARTHUR LEGACY, *Assistant to the Director*, Metropolitan Studies Program, Urban History  
 ROBERT M. ANDERSON, Law  
 ROBERT J. BARTELS, City Planning

GUTHRIE BIRKHEAD, Political Science  
 NELSON M. BLAKE, History  
 MAX R. BLOOM, Real Estate and Urban Land Economics, City  
 Planning  
 FRED G. BURKE, Political Science  
 JESSE BURKHEAD, Economics  
 DAVID J. DE LAUBENFELS, Geography  
 H. GEORGE FREDERICKSON, Political Science  
 LINTON FREEMAN, Sociology  
 GERALD KARASKA, Geography  
 LOUIS KRIESBERG, Sociology  
 WILLIAM MANGIN, Anthropology  
 ROSCOE MARTIN, Political Science  
 PAUL MEADOWS, Sociology  
 DAVID MILLER, Economics  
 JERRY MINER, Economics  
 FRANK J. MUNGER, Political Science  
 SPENCER PARROTT, Political Science  
 WILLIAM POOLER, Sociology  
 JULIO MILAN JOSE, Architecture, Land Economics  
 KARL M. SCHMIDT, Jr., Political Science  
 A. W. SAUTHALL, Anthropology  
 SIDNEY C. SAPRIN, Economics  
 JOHN H. THOMPSON, Geography  
 CHARLES V. WILLIE, Sociology

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BUREAU OF GOVERNMENT RESEARCH  
 UNIVERSITY OF RHODE ISLAND  
 Kingston, R.I. 02881

The Bureau of Government Research was established in 1960 to render its services to municipal and State governments. The Bureau provides, without charge, a consulting service to Rhode Island communities. Specific projects completed include studies and recommendations on the uniform fiscal calendar, systems of internal financial control, purchasing procedures, and reorganization plans.

Special research projects are undertaken by Bureau personnel upon request. The Bureau recently completed a research study on the executive department of the Rhode Island State government done at the request of the State's "Baby Hoover" Commission. Studies on taxes paid by university personnel and on corporate support of higher education are other examples of Bureau research.

#### STAFF

JOHN O. STITELY, *Director*, Organization, Finance, and Administration  
 CHARLES F. HUGHES, Finance and Personnel, General Administration  
 EFRAIM TORGOVNIK, Comparative Administration

CENTER FOR COMMUNITY STUDIES  
 TEMPLE UNIVERSITY  
 Philadelphia, Pa. 19122

The Center for Community Studies, created in 1961, serves, first, as an orientation center for the conduct of interdisciplinary research on urban questions, and, second, as a means to apply the resources of the university to community problems. Particular emphasis has been given to the "urban extension" aspect of the Center's work.

Extension projects undertaken by the university have been a study for the renewal of Philadelphia's skid row area, a remedial project to improve the speech patterns of disadvantaged Negro girls, and a school district consultation.

In addition, the Center has begun to develop short-term, intensive training programs. Examples are the VISTA training program, the North Philadelphia leadership training program, and the Upward Bound program.

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TEXAS TRANSPORTATION INSTITUTE  
 COLLEGE OF ENGINEERING  
 TEXAS A. & M. UNIVERSITY  
 College Station, Tex. 77843

The Texas Transportation Institute was established at Texas A. & M. University in 1950. It is the official research agency for the Texas Highway Department and the Texas Railroad Commission. Although the Institute is an official research agency for the highway department and the railroad commission, the Institute can and frequently does conduct research for other agencies and organizations including private industry, cities, foundations, technical societies, trade associations, government agencies, and the National Cooperative Highway Research Program administered by the Highway Research board. In such cases the Texas Transportation Institute has considerable freedom in the manner and means of negotiating contracts. Many of these contractual arrangements are handled through the Texas A. & M. Research Foundation, a nonprofit organization specifically established to administer contract research for the university. The Institute, as a part of the Texas A. & M. University system, may also contract directly with a sponsor if such an arrangement is desired.

The Institute has a staff of 60 professionals representing 25 disciplines of scientific endeavor who pool their abilities in team research to obtain the best possible solutions to problems pursued. Eighteen graduate research associates and 35 technical and clerical personnel round out the Institute's full-time staff at 113 persons.

For administrative purposes, the Institute is organized into the following research and service areas:

Research areas:

- Geometric design and traffic.
- Materials and construction.

Pavement structure, design and evaluation.  
 Structures and components.  
 Transportation economics and right-of-way.  
 Highway safety.  
 Roadway maintenance.  
 Research support and development.

Service areas:

Texas Transportation Institute administration.  
 Library research.  
 Publications.  
 TTI services (key punch, drafting, etc.).  
 TTI safety proving grounds.  
 Instrumentation and photographic specialists.

Current research projects are concerned with highway design and traffic engineering, highway bridges and structures, highway materials and soils, pavement design, asphalt technology, construction, vegetation management, economic aspects of transportation, urban transportation planning, transportation systems analysis, and technical assistance to local governmental agencies.

Because it is housed on the Texas A. & M. University campus, the Texas Transportation Institute is able to use, or draw upon, the full facilities of the university. Those which have been used to considerable extent include Data Processing Center, Institute of Statistics, and the Department of Industrial Engineering.

The Texas Transportation Institute currently has a total of over \$2.5 million of contract research in force. Major sponsorship is provided by the Texas Highway Department, the U.S. Bureau of Public Roads, the National Cooperative Highway Research Program, the U.S. Departments of Agriculture and Housing and Urban Development, other States, and private industry.

Major studies underway at the present time include work in the following areas:

1. Urban transportation planning.
2. Freeway surveillance and control.
3. Traffic operations.
4. Highway sign supports (breakaway signs).
5. Transportation economics.
6. Engineering economy.
7. Vegetation management along highways.
8. Design of pavements (theory of layered systems).
9. Transportation systems analysis.
10. Synthetic highway materials.
11. Concrete technology.
12. Asphalt technology.
13. Driver environment.
14. Highway illumination.
15. Impact attenuation.
16. Highway safety.

This program is strongly oriented toward highway transportation, and increasing emphasis is being placed on the problems of transportation in urban areas. It is anticipated that this emphasis will continue as the problems associated with the movement of people and goods in urban areas become even more acute.

## STAFF

- C. J. KEESE, *Director*, Traffic Engineering  
C. V. WOOTAN, Associate Director, Transportation Economics  
E. H. FENNER, Assistant Director for Administration; Legal and Audit  
M. D. SHELBY, Research Coordinator; Highway Location, Design, Construction, Materials, Maintenance  
L. J. HORN, Technical Research Editor  
R. N. TRAXLER, Chemical Properties of Asphalt  
D. R. DREW, Systems Engineering, Freeway Operation, Traffic Operations Research  
N. J. ROWAN, Roadway Illumination, Roadway Safety, Driver Environment  
V. G. STOVER, Transportation Planning  
W. R. McCASLAND, Freeway Operations  
J. A. WATTLEWORTH, Systems Engineering, Freeway Operations, Operations Research  
J. H. BUHR, Systems Engineering, Freeway Operations, Operations Research  
E. W. KANAK, Roadway Illumination, Roadway Safety, Driver Environment  
N. F. WALTON, Roadway Illumination, Roadway Safety, Driver Environment  
J. T. BRUDESETH, Transportation Planning  
L. R. LAMOTTE, Statistical Analysis, Mathematical Applications  
M. E. GOOLSBY, Freeway Operations  
J. D. CARVELL, Freeway Operations  
P. T. McCOY, Systems Engineering, Roadway Illumination, Freeway Operations  
T. D. WILLIAMS, Freeway Operations, Roadway Safety  
M. L. RADKE, Freeway Operations, Roadway Safety  
K. A. BREWER, Systems Engineering, Freeway Operation  
C. E. WALLACE, Freeway Operations  
R. H. WHITSON, Freeway Operations  
T. C. MESEROLE, Computer Application  
L. W. RICHERS, Computer Application  
C. E. BELL, Computer Application  
L. A. MELTON, Computer Application  
B. M. KIRK, Industrial Engineering  
K. G. COURAGE, Freeway Operations  
G. D. LONG, Transportation Planning  
G. B. GINGLES, Mathematician  
I. J. TAYLOR, Instrumentation and Testing Analysis  
E. L. LYNCH, Computer Application  
B. M. GALLAWAY, Bituminous and Concrete Technology  
W. J. HARPER, Bituminous Technology  
W. W. SCOTT, Bituminous Technology  
E. R. HARGETT, Bituminous Technology  
F. S. WHITE, Research Librarian  
F. S. SCRIVNER, Pavement Design, Theoretical Mechanics  
W. M. MOORE, Soil Mechanics, Pavement Design  
R. POEHL, Field Testing

- L. J. MILBERGER, Instrumentation  
 M. B. PHILLIPS, Research Geologist  
 R. S. VAN PELT, Soil Mechanics  
 C. D. CARSON, Soil Physics, Clay Mineralogy  
 C. R. PHELPS, Computer Application, Data Processing  
 J. G. DARROCH, Statistical Analysis, Experiment Design  
 C. H. MICHALAK, Soils Testing  
 C. H. SAMSON, Structural Analysis  
 H. L. FURR, Structural Design of Prestressed and Reinforced Concrete  
 H. R. BLANK, Mineral Petrography  
 T. J. HIRSCH, Structural Design and Analysis  
 A. M. GADDIS, Instrumentation  
 W. B. LEDBETTER, Material Science  
 D. L. IVEY, Concrete Technology  
 R. M. OLSON, Structural Design, Structural Analysis, and Crash Dynamics  
 H. W. COYLE, Soil Mechanics  
 T. C. EDWARDS, Structural Mechanics, Crash Dynamics  
 C. E. BUTH, Concrete Technology  
 H. E. ROSS, Structural Mechanics and Aerodynamics  
 J. T. HOUSTON, Material Science  
 J. E. MARTINEZ, Structural Mechanics  
 J. C. BYRAM, Instrumentation  
 A. H. MEYER, Material Science  
 P. H. TORRANS, Concrete Technology  
 L. L. LOWRY, Concrete Technology  
 H. A. RICHARDS, Location Theory  
 W. G. ADKINS, Land Economics, Engineering Economics  
 W. F. MCFARLAND, Econometrics, Engineering Economics  
 W. D. FRANKLIN, Recreational Economics  
 G. S. BRIDGES, Macro Economics, Data Systems  
 H. G. MEUTH, Agricultural Economics  
 J. L. BUFFINGTON, Economic Impact  
 J. T. LAMKIN, Micro Economics, Location  
 J. M. COBURN, Economy of Safety  
 W. G. McCULLY, Vegetation Scientist  
 W. J. BOWMER, Grassland Management  
 L. E. STARK, Engineering Graphics

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THE CENTER FOR URBAN AND REGIONAL STUDIES  
 COLLEGE OF ARCHITECTURE  
 THE VIRGINIA POLYTECHNIC INSTITUTE  
 Blacksburg, Va. 24061

The Center for Urban and Regional Studies of the Virginia Polytechnic Institute was established in September of 1966 under the aegis of the College of Architecture which had been responsible for offering the graduate curriculum in urban and regional planning.

Because it was recognized that planning necessarily must be treated as an interdisciplinary activity the Center has been organized as a

distinct community within the university in which scholars—representing a variety of disciplines—are brought together on a full-time basis in pursuit of a common interest in the development of human environments. Thus, whereas the Center is housed in the College of Architecture, it supports a faculty which represents the arts and sciences and engineering as well as the design areas.

The Center is charged with three primary responsibilities. These are: (1) to offer graduate academic programs in urban and regional studies; (2) to conduct research in matters relating to the development of human environments at both micro- and macro-scales; and (3) to offer extension services in cooperation with the university's cooperative extension division.

Because the Center was established only this past year, the research program—as an operation of the Center—is getting underway only now. At this present time, the Center has but one research contract with the Division of Industrial Development in Richmond, Va. This contract is to evaluate the urban land use potential for each of the seven counties of southwestern Virginia.

Several research projects are being conducted by individual faculty members and graduate students. These include such topics as:

“An Evaluation of Low Cost Housing in Reston, Virginia.”

“Planning Decisions and the Political Process.”

“Traveltime Response Distributions.”

“An Analysis of Population Requirements for the Support of Commercial Centers.”

“Planning Information Systems for Non-Metropolitan Communities.”

Within this next year it is expected that the Center's environmental systems laboratory will be completed and in operation. The basic aim of this laboratory will be to investigate methods for improving building systems technology. The major thrust of the Center's research program probably will be in seeking better methods for making smaller urban communities into more viable socioeconomic units.

## STAFF

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GEORGE STERN, Civil Engineering, Wood Systems Technology

GORDON ECHOLS, Planning

RICHARD YEARWOOD, Chairman, Urban and Regional Studies Program, Political Science

LELAND CASE, Economics

MARIA G. DALLERBA, Town Planning

JOHN DICKEY, Transportation Engineering

JAMES HILANDER, Sociology

ELDON MILLER, Regional Science

ALAN STEISS, Planning

GEORGE TRIESCHMANN, Environmental Psychology

ALAN WINSLOW, Landscape Architecture



CENTER FOR URBAN AND REGIONAL STUDIES  
 UNIVERSITY OF WASHINGTON  
 Seattle, Wash. 98105

The Center for Urban and Regional Studies, which was established in 1963, assists faculty from several disciplines within the university in obtaining support for research on problems of the urban and regional environment. For the most part its efforts have been concerned with socioeconomic aspects of urban and regional analysis, with its studies often focused on the problems of the Seattle region and the State of Washington. The four major areas of the Center's activity are (1) securing of research support; (2) the publication of a reprint series; and (3) the offering of a seminar series and informal promotion of courses in urban and regional affairs.

#### STAFF

CHARLES M. TIEBOUT, *Codirector*, Economics  
 EDWARD L. ULLMAN, *Codirector*, Geography  
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 BREWSTER C. DENNY, Public Affairs  
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 ARTHUR L. GREY, Urban Planning  
 ROBERT G. HENNES, Civil Engineering  
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 EDGAR M. HORWOOD, Civil Engineering  
 RALPH W. JOHNSON, Law  
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 RICHARD L. MORRILL, Geography  
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 GEORGE A. SHIPMAN, Public Affairs and Political Science  
 MORGAN D. THOMAS, Geography  
 ROBERT WARREN, Political Science  
 DONALD H. WEBSTER, Political Science  
 MYER R. WOLFE, Urban Planning

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TRANSPORTATION RESEARCH GROUP  
 GRADUATE SCHOOL  
 UNIVERSITY OF WASHINGTON  
 Seattle 5, Wash.

The Transportation Research Group is composed of members of the graduate faculty from four colleges of the University of Washington who have a common interest in transportation or in social, political, and economic consequences of improvements in transportation. The Transportation Research Group undertakes research in the fields of highway planning, design, operation, and administration; traffic control, motor vehicle administration, and highway safety; metro-

politan transportation and planning; highway economics; and highway finance, as well as other aspects of transportation. Some of the Group's research has been performed for Federal and private agencies. The bulk of it, however, was done for State government, and especially for a succession of interim highway committees of the Washington State Legislature.

#### STAFF

STANLEY H. BREWER, Commercial Air and Highway Traffic, Regulation, Rates

EDWARD G. BROWN, Highway, Safety Economics, Motor Vehicle Administration

MARTIN I. ELLSE, Roadway Design, Highway Materials, Highway Cost Analysis

JOSEPH C. FIREY, Development and Utilization of Power From Fuels, Combustion

ROBERT G. HENNES, Highway Economics and Finance, Soils Engineering

EDGAR M. HORWOOD, Transportation Planning, Urban and Regional Economic Analysis

JOHN R. HUBER, Economic Theory

WALLACE I. LITTLE, Transportation Theory, Regulation, Cost Allocation

MARION E. MARTS, Land Economics

RICHARD H. MEESE, Soil Mechanics

VERNON A. MUND, Highway Economics

ROY B. SAWHILL, Traffic Engineering

CALVIN F. SCHMID, Population Analysis

WARREN R. SEYFRIED, Right-of-Way Acquisition

GEORGE A. SHIPMAN, Public Administration

LOUIS C. WAGNER, Parking Needs

BAYARD D. WHEELER, Real Estate

MYER R. WOLFE, Urban and Regional Planning

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#### INSTITUTE FOR URBAN AND REGIONAL STUDIES

WASHINGTON UNIVERSITY

246 McMillan Hall

St. Louis, Mo. 63130

The Institute for Urban and Regional studies originally established 1961 acts as a focal point for urban research by faculty members from the various departments of Washington University. Except for the Director, Assistant Director, and secretarial personnel, the Institute has no permanent staff positions. In addition to these individuals, the work of the Institute is carried out by faculty in the course of their own research or, in the case of substantial responsibilities to the Institute, on a released-time basis and by graduate research assistants.

The organization of the Institute is designed to carry out a basic policy aim, namely, that the scope and content of the Institute's program primarily be determined by the urban research interests,

applied as well as basic, of the faculty. At the same time, however, it is organized so it can respond to the particular research needs of outside organizations only to the extent that such research would be consistent with the interests and current availability of the faculty.

Current research includes a 3-year study financed by the U.S. Corps of Army Engineers of criteria for water resource investment, a 2-year project studying the design of regional accounts systems, and a study of regional effects of public investment. Papers from an Institute-sponsored Conference on Planning for the Quality of Urban Life were recently published under the title "Planning for a Nation of Cities."

#### STAFF

CHARLES L. LEVEN, *Director*  
JOHN LEGLER, Assistant Director

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THE SOCIAL SCIENCE INSTITUTE  
WASHINGTON UNIVERSITY  
St. Louis, Mo. 63130

The Social Science Institute of Washington University sponsors a broad spectrum of faculty research projects, a number of which are in the area of urban affairs. Because the initiation of a study depends upon faculty interest and the availability of funds, the number of projects relating to urban affairs and the areas of the field under examination vary from year to year.

Topics of urban affairs research projects in 1967 have included among others "Social and Community Problems in Public Housing Areas" and "Analysis of Methods for Identifying Residential Blight," a description of the patterns of social organization characteristic of an urban white poor population, a pilot program to enable police officers to handle the mentally ill more skillfully, and a proposal for ways to motivate schoolchildren from disadvantaged areas.

MURIEL W. PUMPHREY, *Director*.

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CENTER FOR URBAN STUDIES  
WAYNE STATE UNIVERSITY  
5229 Cass Avenue  
Detroit, Mich. 48202

The research emphasis in the Center for Urban Studies is in utilization of human resources. The work can be grouped under four subject headings: "Minority Group Employment," "Poverty," "Unemployment and Manpower Development," and "Preretirement Education." Special emphasis has been given to minority group employment where work has been done upon the experiences of 20 large companies that have implemented nondiscriminatory policies; in the strategies of 11 State-based agencies in breaking patterns of discriminatory policies;

and in the strategies of 11 State-based agencies in breaking patterns of discrimination in selected industries.

RONALD W. HAUGHTON and  
CHARLES M. REHMUS, *Codirectors.*

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REGIONAL RESEARCH INSTITUTE  
WEST VIRGINIA UNIVERSITY  
Morgantown, W. Va., 26506

The Regional Research Institute was established in 1965 to serve as a center for regionally-oriented basic research in the social sciences at West Virginia University. A substantial part of the Institute's research program is concerned with economic and social problems in West Virginia and Appalachia, but research activities are not restricted to the State or region. It is expected that future studies will be interregional or comparative and dealing with several regions simultaneously. Studies currently in progress all fall within a single discipline, but it is expected that future projects will involve other disciplines and that some will be multidisciplinary.

Two major research projects, a third study of more modest dimensions, and one exploratory study are currently underway at the Institute. In addition, the Institute is providing financial support and the use of Institute facilities to two faculty research projects. A study of the economic structure of West Virginia is constructing an input-output table for the State. A study of the economic consequences of internal migration from one region to another, which will be used as the basis for analyzing the effects of migration on the national economy; a study of British local employment policies; and an exploration of the "brain drain" from Appalachia are other projects currently undertaken by members of the Center.

The Institute is not a service center, nor does it function as an outlet for publications. The results of research conducted in the Institute will be published as journal articles, books, and monographs.

WILLIAM H. MIERNYK, *Director.*

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CENTER FOR URBAN STUDIES  
WICHITA STATE UNIVERSITY  
Wichita, Kans. 67208

The Center for Urban Studies is an interdisciplinary department of Wichita State University. The Center's first publication in July, 1966, was an economic report, "A Source of Local Government Revenue: An Investment Program." Other studies will be in the areas of intergovernmental relations, market analysis, and population and demographic research. The Center also holds conferences on community service problems such as police administration and community schools, as well as a regional conference on local government problems done in cooperation with the Brookings Institution of Washington, D.C.

## STAFF

HUGO WALL, *Director*  
 MARJORIE L. TAYLOR  
 LYLE D. NEWTON

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INSTITUTE OF REGIONAL AFFAIRS  
 WILKES COLLEGE  
 Wilkes-Barre, Pa. 18703

The Institute of Regional Affairs of Wilkes College is a multipurpose college organization. Its resources include not only the college faculty in the social sciences—economics, psychology, government, and sociology—but also those experts in the region who can lend their talents to teaching, researching, and consultation.

The Institute of Regional Affairs was created for a fourfold purpose: education, information, research, and consultation. Its primary service is to continue to provide a broad range of courses, and seminars on urban problems. The research activities of the university include specific studies made for individual municipalities on such topics as reorganization of the police department, comparative costs of incineration and sanitary landfill, development of personnel records, and the feasibility of a public library; Institute sponsored research in such topics as local disaster preparedness, and the use of idle cash balances in Luzerne County; and consultation on specific projects for the Redevelopment Authority of the City of Wilkes-Barre.

## STAFF

HUGO V. MAILEY, *Director*, Municipal Government  
 JOHN J. CHWALEK, Guidance and Counseling  
 HAROLD E. COX, Transportation  
 ALFRED S. GROH, Editorial Consultant  
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 JAROSLAV G. MORAVEC, Sociology  
 ROBERT RILEY, Psychology  
 SAMUEL ROSENBERG, Economics  
 PHILIP R. TUHY, Urban Planning

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BUREAU OF HIGHWAY TRAFFIC  
 YALE UNIVERSITY  
 New Haven, Conn.

The Bureau of Highway Traffic has offered a graduate program of study in highway transportation engineering since 1926. The Bureau operates in Yale under the Committee on Transportation. This committee was formed in 1924 with membership from various pertinent departments to provide the opportunity for an interdisciplinary approach to the transportation field. The committee is concerned with all types of transportation but the Bureau of Highway Traffic specializes in highway transportation. Its educational program is primarily intended for those who will become traffic engineers or work on the various types of transport studies...

At Yale, highway transportation engineering is defined as that phase of transportation which deals with the planning and functional design of roads, their networks, terminals, and abutting lands, and with traffic operations thereon. The Bureau's course is based on the concept that, while highway transportation engineering stems from engineering disciplines, its framework is a complex of various aspects of the social and physical sciences.

During the course of study, modern highway traffic is analyzed statistically and substantively with emphasis on optimum levels of transportation. The principles of highway traffic generation, concentration, and flow are developed and modified by special economic and social courses. All this is combined to establish criteria and policies for the development and operations of highway transportation routes, terminals, and systems.

While the graduate training of engineers in traffic operations is the primary objective of the Bureau, its staff engages in highway operations research as the occasion arises. It has recently completed a study on the influence of various levels of fixed highway lighting on turnpike operations on contract with the National Academy of Sciences, Highway Research Board—National Cooperative Highway Research Program. Another completed project of this same program was to compare the various methods used to assign traffic to a proposed facility in terms of accuracy.

#### STAFF

FRED W. HURD, *Director*

MATTHEW J. HUBER, *Mathematical Theory of Traffic Flow*

ROBERT L. BLEYL, *Traffic Controls and Regulation*

HARVEY BOUTWELL, *Highway Planning*

JOSEPH L. TRACY, Jr., *Field Studies and Data Reduction*

*Part Time:*

KENT T. HEALEY, *Professor of Transportation, Economics Department.*

WILBUR T. SMITH, *Traffic Consultant*

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**NONPROFIT RESEARCH  
INSTITUTES**

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**ACTION-HOUSING, INC.**  
No. 2 Gateway Center  
Pittsburgh, Pa. 15222

ACTION-Housing, Inc., was established in 1957 as a private, nonprofit civic organization with a comprehensive program to increase the supply of good housing for families of moderate income. ACTION-Housing has three immediate major objectives: (1) increasing the supply of good new housing in good neighborhoods for families of moderate income, (2) bringing about the modernization of older housing and revitalization of aging neighborhoods, (3) establishing a research base for future housing and urban renewal programs.

Many of ACTION-Housing's most impressive achievements have been its projects in the areas of renewal and redevelopment. These include sponsoring rehabilitation of a group of 22 structurally sound but 60-year-old houses for rental to families of moderate income; creating the \$1,600,000 Pittsburgh development fund through interest bearing loans and grants from local banks, foundations, and corporations; initiating, planning, and implementing construction of Sheriden Park, a 188-unit cooperative townhouse development, and other housing developments; and undertaking a full-scale, 5-year test demonstration in three Pittsburgh neighborhoods of the neighborhood urban extension process.

ACTION-Housing has undertaken a number of research projects. Among them have been a five-volume urban renewal impact study; a plan of operations for neighborhood urban extension; neighborhood urban extension annual reports; an annual new house construction survey; a steep-slope feasibility study; a primer for perception: "How To Help Children Learn To Learn"; action for employment: a demonstration neighborhood manpower project; a report on a summer community youth work program; a paper on nonprofit housing corporations; a proposal for the establishment of the Allegheny Housing Rehabilitation Corp.; a statement of purpose of the National Research Council for Housing Rehabilitation; and others.

#### STAFF

**BERNARD F. LOSHBROUGH**, *Executive Director*  
**KIERNAN F. STENSON**, *Deputy Executive Director*  
**DAVID HERLINGER**, *Director, Neighborhood Urban Extension*  
**B. BURTT EVANS**, *Information and Publications*  
**JAMES P. CAIN**, *Housing Specialist*  
**M. SANDRA TRAX**, *Controller*  
**SEYMOUR BASKIN**, *General Counsel*  
**URIEL MANHEIM**, *Consulting Economist*



**CENTER FOR URBAN EDUCATION**

33 West 42d Street  
New York, N.Y. 10036

The Center for Urban Education is a private, nonprofit corporation engaged in research into the problems of urban education. The Center was established in 1965 with researchers, social scientists, teachers, and administrators from eight institutions—Bank Street College of Education, Columbia University, Fordham University, New York Medical College, the City University of New York, New York University, Teachers College of Columbia University, and Yeshiva University—participating in the planning.

Initial research was in several basic areas of educational planning and functions, such as the educational park concept and the relationship of educational achievement to later occupational status. More recent concerns of the Center have been school integration and the improvement of primary level skills. In 1966 the Center became a regional educational laboratory under title IV of the Elementary and Secondary Education Act. Its focus is tristate: Connecticut, New Jersey, and New York, an area encompassing over 13.5 million people, better than 15 percent of whom (2.5 million) are between the ages of 5 and 19.

Among the many projects carried on in the tristate area were: Educational qualifications for employment; urban integration studies and related basic research in Bridgeport, Conn., Stamford, Conn., Glen Cove (Long Island); Rochester project; obstacles to school desegregation in New York City; educational park project; participation by nonwhite ethnic minorities in public recreation programs; mass media and education project; the successful child from an economically deprived urban area; parent participation project; intellectual training of 2-year-old children; assessment of intellectual function of children; developmental stages in moral development; correlation of creativity in children from two socioeconomic levels; relationship of varied secondary educational backgrounds to levels of job success; improving skills in primary grades (eight projects fall within this rubric); and teacher training and development.

The Center now maintains a professional staff of more than 70. Research and development activities have been divided into five committees: Community Research and Development, Field Research and Development, Family and Mass Media, Educational Personnel, and Curriculum.

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**THE ECUMENICAL INSTITUTE**

3444 Congress Parkway  
Chicago, Ill. 60624

The Ecumenical Institute, has for several years been doing intensive, in-depth research on the total complex of urban and inner city problems and interrelationships. Their work includes not only the complex aspects of economics, but also political structures and

potential, educational needs and methods, social and cultural relationships, and the dignity and worth of the individual. This intensive research effort has begun to yield results in the formulation and actualization of a comprehensive model and methodology to deal concretely and in depth with all aspects of urban life.

The research staff of the Institute has integrated both theoretical and practical resources and methods in its approach. As well as analysis of current literature on urbanization and urban problems, theoretical research has included personal consultation with experts across the Nation and world, including, for example, the Department of Architecture and Urban Planning of the University of Illinois and Constantinos Doxiadis of Greece in the area of urban planning, and Saul Alinsky on social dynamics. The staff has taken numerous and extensive trips to Europe, Africa, Latin America, Southeast Asia and the Middle East to consult with specialists and urban leaders and observe the characteristics, problems, and new developments in the urbanization of other societies. Intensive "grass roots" research has been underway on Chicago's West Side since 1963.

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GOVERNMENTAL RESEARCH INSTITUTE  
502 Ten-Ten Euclid Building  
Cleveland, Ohio 44115

From the time of its founding, over 20 years ago, the Government Research Institute has been concerned with problems of public administration and finance; with the collection and dissemination of information about local governments in Cleveland and Cuyahoga County; and with cooperation with public officials in the improvement of local governmental procedure. GRI undertakes both continuing research and special projects at the request of Government officials and agencies. GRI regularly analyzes the annual budgets of Cleveland, Cuyahoga County, and the Cleveland Board of Education. On request GRI conducts studies of local public offices and agencies such as the one recently concluded for the auditor's office which recommended automatic equipment to bring greater economy to the tax billing process. Other projects have been prepared for private agencies and citizens' groups, such as the Little Hoover Commission on Finances, Cleveland's Government Development Foundation, Welfare Federation, Growth Board, and the Citizens League.

The work of the Governmental Research Institute is carried out by a staff of six professionals, most of whom hold graduate degrees in public administration, aided by five assistants who handle statistical and clerical tasks. Overall direction is provided by a board of business and professional men.

ESTOL E. SPARLIN, *Director*.

ILLINOIS INSTITUTE OF TECHNOLOGY RESEARCH INSTITUTE,  
10 West 35th Street,  
Chicago, Ill. 60616

Illinois Institute of Technology Research Institute is a self-supporting, contract, research organization which was founded in 1936. Although IITRI is devoted primarily to programs in science and engineering, it has been active in problems related to urban affairs during its 30-year existence. IITRI also maintains a management research affiliate, Corplan Associates, Inc., devoted to technoeconomic problems of all types, but in particular those of technical areas. The annual volume of contract research exceeds \$29 million.

IITRI's activities in the area of urban problems have included the establishment of codes and enforcement procedures for noise abatement, the development of procedures for a pollution control, studies of waste disposal control, studies of waste disposal and fire protection, and analysis of transportation problems. Other activities have been the study of potential obsolescence of factory and other industrial buildings in Chicago, the use of computers in optimizing the location, attendance, and use of buses to provide the best solution of the desegregation of schools in a large suburb in Chicago, and studies of various aspects of law enforcement.

The total IITRI staff exceeds 1,600, of whom 1,100 make up the scientific staff. Of its 750 scientists and engineers, about 350 hold advanced degrees. To enable its personnel to keep abreast of changes in the technical fields, IITRI maintains a program of advanced study. Every year a substantial number of staff members undertake additional education, and many receive advanced degrees.

E. H. SCHULZ, *Director.*

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INSTITUTE FOR COMMUNITY SERVICES  
2300 Holmes  
Kansas City, Missouri 64108

The Institute for Community Studies, founded in 1949, is an independent social science research institute operating under its own board of directors and supported entirely by grants, contracts, and contributions. It conducts research programs in five main areas: public affairs, education, social services, aging, health, and mental health. The Institute has produced over 300 research reports during its 17 years. It focuses its efforts particularly on the application of social and behavioral sciences to the major problems of social institutions and community life, which includes study of the processes of social change, knowledge dissemination and utilization, and community social planning. The Institute has had contracts from the State governments of Kansas, Missouri, and Illinois, a number of city governments in the region, universities and school districts, hospitals and health organizations, and various agencies of the Federal Government. It does not serve private business or industrial clients. The staff is interdisciplinary, including sociologists, psychologists, political scientists, educators, historians, social workers, physicians, nurses, and health researchers.

Recent research activities have included the development of proposals for studies of poverty programs, effects of Medicare, and problems of aging. In assistance to community enterprises, the Institute for Community Studies has become involved in Kansas City's poverty program and, to a lesser degree, in helping to launch the Citizens' Conference on State Legislatures.

PAUL H. BOWMAN, *Director*.

INSTITUTE OF PUBLIC ADMINISTRATION  
55 West 44th Street  
New York, N.Y. 10036

The Institute of Public Administration is an independent, nonprofit center for research and education in public administration and governmental policy. IPA aims at flexibility to meet changing requirements and conditions in its field of concentration and to meet the needs of those who participate in the program.

The Institute carries on research in a number of fields bearing on governmental policy problems, both foreign and domestic. Some projects are undertaken at the request of Federal, State, or local government agencies, or by foreign governments; some are initiated by private foundations; and some are initiated by IPA itself as part of its basic research program.

During the last decade IPA has done substantial research in urban affairs. Its New York City studies have included studies of programs, organizational arrangements, and methods of financing improvements in the areas of (a) human resources and (b) housing and neighborhood improvement; a survey of top executive salaries in the New York city government with recommendations for changes; and administration and evaluation of a new technique of rehabilitation of old-law tenements by fast installation of prefabricated kitchen bathroom units lowered by crane through the roof. Among its urban transportation studies have been the preparation of a report on urban transportation and public policy for the Federal Government which resulted in congressional legislation (published in 1964 as "Urban Transportation and Public Policy"); a study of transportation problems in the New York metropolitan region; and a study of work-hour staggering and rush-hour travel congestion in New York City.

Other urban studies include a study of advance acquisition of land for public purposes; a study of requirements for and supply of cultural facilities in urban centers, and a comparative analysis of European centers; a study of industrial water pollution abatement; and a survey of the supply of and developing requirements for open space and outdoor recreation resources in the metropolitan regions of New York and Philadelphia.

In addition, IPA has undertaken a number of international projects in urban studies, including technical assistance to an agency of the Venezuelan Government established to promote urban community development; and studies of governmental organization, metropolitan area economy, and other topics related to the development of the metropolitan area of Calcutta, India.

## STAFF

LYLE C. FITCH, *President*

MARK W. CANNON, Director of International Programs

ROBERT H. KIRKWOOD, Assistant to the President

HENRY COHEN, Consultant on Urban Studies

RUTH P. MACK, Supervisor of Economic Studies

CHARLES S. ASCHER, International Representative

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## Project Directors and Program Coordinators

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ANN MARIE WALSH

MIDWEST RESEARCH INSTITUTE  
425 Volker Boulevard,  
Kansas City, Mo. 64110

Midwest Research Institute is an independent, not-for-profit center devoted to research for industry, government, and the general welfare. The Institute was founded in 1944 by a group of civic, industrial, and technical leaders who were convinced that the application of scientific research to industry would rapidly become a critical factor in economic and social growth. Today, the Institute has a total staff of over 400 and conducts research covering the entire spectrum of modern science. The dollar volume of research conducted by the five scientific divisions—Economic Development, Engineering, Mathematics and Physics, Chemistry, and Biological Sciences—exceeds \$6 million annually.

In recent years the Institute, and particularly the Economic Development Division, has devoted a growing portion of its effort to urban and social problems, many of which go beyond the scope of conventional economic development concepts. Its involvement with problems of the urban environment has ranged from economic base studies under the 701 urban planning assistance program, through studies of air quality and pollution, transportation, land use, recreation, and industrial development. Additionally, studies have been completed on technology transfer, the impact of science and technology on regional development, the influence of Federal programs and Federal funds, analyses of local tax structures, and education needs for the future. The Institute has also sponsored or cosponsored seminars and conferences on urban problems and Institute senior staff members have participated in congressional hearings and many national and regional meetings.

Representative programs are summarized briefly as follows:

A comprehensive study of the use of Federal aid by city agencies in Kansas City, Mo. This research included forecasts of 10-year trends in Federal aid to metropolitan areas, compilation of a detailed management guide to Federal aid, and recommendations for a revised management system for evaluating and pursuing Federal assistance.

A study to determine the presence and levels of pesticides in ambient air in representative rural and urban communities of the United States.

An economic study of Sheboygan, Wis., to identify opportunities for and limitations to economic development, and to provide the basis for community planning and action.

An air pollution control study for Kansas City-Wyandotte County, Kans., involving air quality measurements, emission inventories, and recommendations for control regulations.

Recreation planning for the State of Missouri. The effort included sampling of demand data, a thorough inventory of both public and private recreation supply—existing and potential—and a comparison of demand with supply and needs.

A program for the Economic Development Administration to provide the regional commissions with a comprehensive summary of what is known about the role of science and technology in the economic development of a region—how it operates, what kinds of science and technology are most relevant, the differences among regions, the mechanisms required for maximum impact, and the roles which both public and private investment play.

A program for NASA to determine the impact of military/space programs on substate regions. A general impact model was developed. The model was tested using existing data. Analysis indicated that defense spending impact differed widely among the metropolitan areas examined and that it was possible to differentiate between the contribution of defense spending to area growth in these nine cases.

CHARLES KIMBALL, *President.*

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NATIONAL COUNCIL ON CRIME AND DELINQUENCY  
 INFORMATION CENTER ON CRIME AND DELINQUENCY  
 44 East 23d Street  
 New York, N.Y. 10010

The Information Center collects, processes, answers inquiries, and prepares for dissemination materials relating to all aspects of crime and delinquency. Both the project collection and the literature collection frequently interrelate to material on urban affairs, particularly in the areas of urban crime and delinquency; urban housing, education, and social conditions as they relate to crime and delinquency; school dropouts and teaching the disadvantaged as these relate to delinquency; and minority group problems, both social and economic, as these relate to crime and delinquency. Much of the Information Center's current work is done under contract to Government programs which are part of the Department of Health, Education, and Welfare.

In addition, the NCCD has in progress several special projects, among them a juvenile court study, a juvenile institutions project, a pilot study on correctional training and manpower, as well as grants for probation and parole training institutes and other short-term institutes and training programs. Under a grant from the Office of Law Enforcement Assistance, NCCD has recently completed a correctional survey of the United States for the President's Commission on Law Enforcement and the Administration of Justice.

The NCCD numbers over 50 professionals on its staff, among them regional directors and State consultants of NCCD.

#### STAFF

MILTON G. RECTOR, *Director*

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VINCENT O'LEARY, *Director of Division of Research, Information, and Training.*

NORTH STAR RESEARCH AND DEVELOPMENT INSTITUTE  
3100 38th Avenue South  
Minneapolis, Minn. 55406

The North Star Research and Development Institute is a nonprofit research organization which conducts research in the physical, biological, and social sciences and engineering on a contract basis for industry, agencies of local, State, and National Governments, and associations and private foundations.

The research operations are organized into three operating divisions: physical sciences and engineering, biosciences, and economics and management sciences.

Current research activities relating to urban problems include, among others, developing a computer method to increase the effectiveness of police patrols in an urban area, investigating the successes and failures of farm youths who move to urban areas, developing processes to improve water quality and waste disposal techniques, and developing a computer method to increase the effectiveness of police patrols in an urban area. Among other past research has been a study of 12 factors influencing the economic growth of 12 Midwestern States, a study of the technological industries in the Minneapolis-St. Paul area, a study of the economic growth of the State of Montana, a study of minority housing in Minneapolis, and a study of the need for vocational training in the Minneapolis-St. Paul area.

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ROBERT Q. WILSON, Chemical Engineering



POTOMAC INSTITUTE  
1501 18th Street, N.W.  
Washington, D.C. 20036

The Potomac Institute is a consulting and research agency dedicated to the elimination of racial discrimination and the advancement of equal opportunity for all Americans.

A nonprofit organization financed by foundation grants, the Institute was incorporated March 28, 1961. A resident staff is augmented for special projects by consultants who are experts in such areas as law, business, housing, employment, education, and human relations.

One of the Institute's primary interests is the function of the Federal Government in the promotion and protection of civil rights. It is also concerned with the interaction between private citizens and organizations committed to equal justice and all levels of State and city government.

The Institute's objectives are advanced through informational and advisory services, conferences, studies, and publications.

For a number of months before and after the passage of the 1964 Civil Rights Act, the Institute undertook "Operation Compliance," acting with concerned Federal agencies, private organizations, and volunteer groups in the South. The aim was to promote compliance with the public accommodations section of the act. Several publications grew out of this effort: "Service for All Citizens," "Opening Public Accommodations to All," "A Summary—The Civil Rights Act of 1964," and "Americans Are Law-Abiding Citizens."

The following year, the Institute published two additional guides to community action. One, "The Federal Dollar and Nondiscrimination," explained the possibilities and requirements of the Civil Rights Act's title VI, which outlaws discrimination in federally assisted programs. The other, "Fair Employment Is Good Business," dealt with title VII and was designed to promote the concept of equal job opportunity among employers and communities.

Another publication, "The Federal Role in Equal Housing Opportunity," appraised the progress of Federal housing agencies under the Executive order on equal housing opportunity and made recommendations for affirmative programs by housing agencies.

A report on "The City Government and Minority Groups" summarized constructive racial policies and ordinances of municipalities. The International City Managers Association (ICMA) published and distributed this as one of its monthly reports. A staff study of official city human relations commissions was published in the 1964 ICMA Municipal Yearbook.

In late 1961, the Institute sponsored a survey of southern educators to determine what kind of assistance was needed in planning local school desegregation. The findings were printed in a pamphlet entitled "School Desegregation—Help Needed?"

Another report, "The Economic Impact of Racial Unrest," summarized opinion of business leaders and officials in the South on the high cost of resistance to racial change.

"Metropolitan Housing Desegregation" outlined how the Federal Government could promote housing on a regional basis through its

use—and withholding—of Federal funds, under authority of title VI of the 1964 Civil Rights Act.

“Employer’s Guide To Equal Opportunity” was designed for those who want to accelerate the employment of minorities, beyond the minimum requirements of National and State fair employment laws.

### STAFF

ARTHUR J. LEVIN, *Staff Director*  
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MARGARET PRICE

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REGIONAL PLAN ASSOCIATION  
230 West 41st Street  
New York, N.Y. 10036

The Regional Plan Association is a nonprofit citizen organization which has been working since 1929 for the efficient and attractive development of the metropolitan region surrounding the Port of New York and for expanding opportunities for all its residents. Through planning studies and information programs, the association provides governments, corporations, and other organizations in the region with data and recommendations on the location of employment and major facilities, on the transportation system to serve them, and on the quality of communities and the environment generally. It is supported by corporate subscriptions, organization and individual memberships and foundation grants.

A pioneering *Regional Plan of New York and Its Environs*, fostered by the Association since 1929, has been achieved in many of its fundamentals.

Now the Association is constructing the second regional plan, a new set of guidelines for metropolitan development to the year 2000, based upon several years of intensive research and with the advice and consultation of regional leaders and the general public.

This long-range look provides a framework within which recommendations on immediate issues can be made, in the past 5 years, the Association has participated in clarifying and publicizing solutions to problems of: *commuter railroad service*, with a 1961 report commissioned by the U.S. Senate calling for modernization by State and Federal action, already underway; *preserving countryside and providing for outdoor recreation*, with the 1960 “Race for Open Space” report, which has opened a new era of Federal, State, local, and private open-space acquisition; *inconvenient and unattractive scatter of large urban facilities*, with a suggestion for establishment of several modern downtowns in the region, which already has been taken up by officials and civic leaders in Nassau County, Jamaica, and New Brunswick; *increased urban amenities*, with a redesign of the Lower Manhattan Expressway to put it below ground level and with a planning program for the Hudson River; *Manhattan central business district transportation*, with a proposal for radically improved public transportation; *growing eastern seaboard travel* with an early proposal for high-speed rail service between Boston and Washington.

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SOUTHWEST RESEARCH INSTITUTE  
 8500 Culebra Road  
 San Antonio, Tex. 78206

Southwest Research Institute was founded in 1947 as a not-for-profit organization to provide scientific research and factfinding services to industry, business, and government. Its staff of 800 includes several hundred chemists, economists, engineers, physicists, geologists, and other specialized personnel. Research projects performed by the staff are on a contract basis with an annual volume of about \$10 million. It has laboratories in San Antonio and Houston, Tex.

The Department of Applied Economics is located in Houston. Its activities in the area of urban problems have included land-use studies; studies of civic public facilities; regional and urban economic studies, including economic growth projections of regional areas, transportation and mass transit studies, population analysis, and central business district analysis; and, finally, resource economic studies which consist of water resource studies, land development, and minerals and agricultural development.

W. LAWRENCE PREHN, Jr.,  
*Director of Department of Applied Economics.*

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STANFORD RESEARCH INSTITUTE  
 333 Ravenswood Avenue  
 Menlo Park, Calif. 94025

Research in regional and urban development at Stanford Research Institute is designed to assist in orderly and efficient economic growth of geographical areas and the best utilization of natural and human resources. The Institute's research began after World War II with studies on problems associated with development of the western part of the United States. Since then requests have come in from other parts of the country and from foreign countries as well.

The work on development projects is conducted largely by the Industrial and Development Economics Area, which has a professional staff of about 175. A project team usually consists of several economists

experienced in regional and industrial studies who work full time on this assignment for the duration of the project. Other members of the staff participate for varying periods of time as their particular skills are needed.

The SRI regional development program is concerned with six broad fields: (1) regional economics, (2) manpower development, (2) urban development, (3) development of specific industries, (4) location analyses, and (6) community development.

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URBAN LAND INSTITUTE  
1200 18th Street NW.  
Washington, D.C. 20036

The Urban Land Institute is an independent, nonprofit research organization founded to promote the better planning and development of urban areas. The Institute analyzes and reports on trends that influence the development and use of land. The results of its studies are disseminated through regular publications and special reports.

Much of the Institute's work is carried on by its three Councils—the Central City Council, the Community Builder's Council, and the Industrial Council—each headed by a 30-man Executive Group. These Councils give particular attention to the major fields of urban land development—residential, commercial, and industrial.

U.I. undertakes under contract or in association with public agencies and other private organizations a limited number of applied research programs. These programs are designed to have direct practical application in the fields of residential, commercial and industrial land use, planning and development. An example of such projects is the continuing series of studies on the subject of innovations in residential land development. These studies explore problems of design, cost, engineering, marketability, and legal implications. Another recent project is a study of different types of organizations and home associations that are most effective in maintaining and operating residential communities, including common areas and facilities.

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