

A N N U A L R E P O R T

1979-1980

Harold L. Votey, Jr.
Director

COMMUNITY AND ORGANIZATION RESEARCH INSTITUTE

University of California, Santa Barbara

July 1, 1980

COMMUNITY AND ORGANIZATION RESEARCH INSTITUTE

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TABLE OF CONTENTS

| | <u>Page</u> |
|---|-------------|
| THE DIRECTOR'S STATEMENT | 1 |
| SUMMARY OF HIGHLIGHTS | 4 |
| RECORD OF PROPOSAL SUBMITTED 1979-80 | 7 |
| EXTRAMURAL AWARD ACTIVITY FOR THE PERIOD 7/1/79-6/30/80 | 17 |
| INTRAMURAL AWARD ACTIVITY FOR THE PERIOD 7/1/79-6/30/80 | 32 |
| PUBLICATIONS | 33 |
| OTHER ACADEMIC PROJECTS | |
| CONFERENCES | 36 |
| INVITED PAPERS | 37 |
| PAPERS COMPLETED | 39 |
| SEMINARS | 40 |
| PUBLIC SERVICE | 42 |
| OTHER ACTIVITIES | 43 |
| RESULTS OF SEED MONEY FUNDS FOR 1978/79 - C.O.R.I. | 44 |
| PERSONNEL ENGAGED IN RESEARCH | 47 |

THE DIRECTOR'S STATEMENT

The past year (FY 79-80) has been noted for broadening the areas of interest of CORI both with respect to proposals submitted and funds granted. The long term record of substantial performance has been maintained once more. The list of projects upon which CORI clientele are working currently promises an even better performance in the future. This is gratifying since the need for extramural funding to maintain the University's position in terms of reputation as a research institution are increasing as well and CORI must fill a role in facilitating that effort. The potential for future growth in research activities continues to be great. Past success provides the pattern, but new energies must be applied so that the future continues even better.

Goals and Purposes of the Institute

The Community and Organization Research Institute has been established primarily to assist the faculty and students of the Santa Barbara campus to find funding for research related to public policy. An express goal was to provide information and analysis that would contribute to the solution of community problems. In practice, the term community has been broadly interpreted to include issues of state, national and international interest, since much of the research that has application to local problems is likely to have implications in a wider setting as well. Typical projects include the study of the implications of changes in energy control policy on demand, study of the effectiveness of competition in the U.S. lumber industry, analysis of effects of public measures on the generation and control of crime in Sweden, an evaluation of the trade-offs between arrest and imprisonment in the control of crime in the U.S., continuation of the investigation of the effects of seismic risks on public policy, and continuing study on the effects of health care resources in reducing perinatal mortality. CORI continues to be involved with two training programs that focus on improving the quality of public decisionmaking. Interns from these programs become involved with challenging projects in local and state government. An especially notable activity that has focused attention on CORI and UCSB is the continuing research of Dr. Ronald Williams in analyzing the effects of physician and health care activities on perinatal mortality. Dr. Williams' work is becoming the model for work in this field.

Efforts to Stimulate Public Policy Research Across Disciplines

One of the objectives of CORI has always been to stimulate and facilitate research that has implications for public policy. Coincidentally, this research focus has been one for which the University is continually being criticized for not doing enough. While many faculty have the feeling that the criticisms are not justified by the facts, it is nevertheless true that more might be done in this area. In response to this conviction, the staff of CORI has, over the past year, continued a vigorous effort to stimulate the generation of proposals for public policy research. The Office of Research Development has been supportive of these

efforts by providing seed money for assisting in the development of worthy proposals.

Work has continued this year by the Director and Associate Director Terry Smith to follow up on the activity generated by the funding competition of the previous year. Most of the small seed money grants under those competitions have, by now, led to proposals and of those, a portion have already yielded substantial awards. The most recent of these by professors Lloyd Mercer and W. D. Morgan has resulted in an award of \$96,705.

Travel

Travel has continued to be helpful in locating funding sources. Trips this year have included one by the Director and Llad Phillips in December to arrange an agreement for a program of student and faculty exchange with the School of Economics at the Universidad Autonoma de Nuevo Leon, Monterrey, Mexico, another with Manuel Carlos in January to visit valuable contacts in the Department of State, the International Communications Agency, the National Science Foundation, and the Agency for International Development in Washington, D.C. Also visited have been the BankAmerica Foundation in San Francisco and the Hewlett Foundation in Palo Alto. More recently visits to the International Education Office, the Department of State, the National Endowment for the Arts and the National Institute of Alcohol Abuse and Alcoholism in Washington have been made possible by the work of the Director at the National Institute of Justice. That agency paid the travel costs of the latter trip. This travel promises to be instrumental in obtaining funding on several Institute projects.

Interaction with Public Needs

It is one thing to conduct research at an abstract level or to teach in the classroom and another thing to bring the effects of those activities to bear directly on local, state, and national problems. Our greatest opportunity to have direct impact on public problems is through the activities of our training programs. The Urban Economics Program, through its internship activities, becomes directly involved with local projects. It has been conservatively estimated that the internship projects, if undertaken by private parties as consultants to local government, would cost those agencies in the neighborhood of \$10,000. These projects benefit from university instructional computer funds and professional direction by members of the faculty and staff. The research reports frequently warrant publication via the NSF-funded working paper series. The cost to local government is limited to wages to MA students at rates generally substantially below what these students are able to obtain on the job market on the completion of their degrees. The process thus serves as a means to educate future community decisionmakers, a low-cost way to conduct valuable research on local problems, and via the publication series, a way to disseminate techniques of analysis and research findings to other communities with similar problems.

The public historian program promises to provide input into public decisionmaking along a different dimension, by revealing and

preserving the historical data, precedents, and commitments that are essential to well-reasoned and equitable decisions where historical questions may have great relevance. The program has already received public recognition and the attention of local authorities and shows promise of suffering the same shortcoming as the economics program of not being able to supply the demand for interns. An important contribution that the public historians are making that reflects favorably on the University is the journal Public Historian that has been initiated here. The support of the program in public history was given a major boost this year by the renewal of funding by the Rockefeller Foundation for student and programmatic support.

Plans for the Future

Future plans call for a continuing effort to expand public policy research. Efforts are being made to expand the services CORI provides to its client group. One move in that direction has been the addition of a combination computing and text editing facility that speeds production and improves the quality of research papers, proposals, reports, and publications of the Institute and its clients. This facility ties in with the UCSB Computer Center's photo-typesetter equipment permitting the generation of camera ready copy using multiple type fonts, including sophisticated mathematical typing. That equipment became operational in the winter of 1979. Service is expected to be expanded with the acquisition of additional equipment during the summer of 1980.

Program focus for the coming year include the ongoing projects in energy and natural resources under Professor Walter Mead, research on health care delivery by Dr. Williams, water research by Professors Mann, Mercer and Morgan, and work dealing with crime, population movement, discrimination and a variety of other issues. Projects that show great promise revolve around the training of graduate students for innovative careers. These include a major proposal by Professor Wesley Johnson involving the Public Historian Program, and two proposals involving training for management: one, the U.S.-Mexico program of student and faculty exchange and the second, a program to train majors in the arts for roles in arts management.

SUMMARY OF HIGHLIGHTS

July 1979

Funds awarded: Fuller, T., UCSB Foundation, "Santa Barbara County History Fair," \$1,500.

Mann, D.E. and Wyner, A.J., U.C. Davis Water Resources Center, "Water Resource Management as a Constraint on Growth: The Case of Goleta, CA.," \$7,845.

Mead, W.J. and Sorensen, P.E., USDI, U.S. Geological Survey, "Competition and Performance in OCS Oil and Gas Lease Sales and Lease Development," \$39,695.

Votey, H.L., National Council for Crime Prevention, Sweden, "Research on the Control of Crime in Sweden," \$18,160.

Williams, R.L., State of California, Department of Health Services, "MCH Statistical Data Base," \$62,581.

Research
completed:

Final Report: "Augmenting and Maintaining the MCH Statistical Data Base," R.L. Williams, State of California, Department of Health Services.

Final Report: "Race, Labor Turnover, and Male Earnings," G.J. Borjas, U.S. Department of Labor.

August 1979

Funds awarded: Phillips, L., Law Enforcement Assistance Administration "Identifying the Control Effects of Imprisonment," \$29,416.

September 1979

Funds awarded: Borjas, G.J., "Wage Discrimination in the Federal Government," U.S. Department of Labor, \$19,649.

Deacon, R.T., "Urban Economics Program Option," Office of Education, \$5,010.

Johnson, G.W., "New Directions in Public History," The Rockefeller Foundation, \$161,500.

Shapiro, P., "Tax Conference Proceedings Distribution," U.S. Department of Housing and Urban Development, \$20,801.

Research completed: Final Report: "A Study of the Temporal Cross-Sectional Stability of the Hedonic Structure of Prices in the Los Angeles Housing Market," P. Shapiro and T.R. Smith, U.S. Department of Housing and Urban Development.

October 1979

Research completed: Final Report: "Private Preference for Non-Market Goods and Services: A Conditional Demand Approach," P. Shapiro and T.R. Smith, National Science Foundation.

December 1979

Acquisition of computing and word processing equipment to facilitate the expansion of both the quantity and quality of services offered to CORI's client group.

Travel to Monterrey, Mexico by the Director, Harold Votey, and Llad Phillips, Chairman of the Department of Economics, to discuss with officials at the Universidad Autonoma de Nuevo Leon the proposed cooperative business economics training and research program.

January 1980

Travel to Washington, D.C. by the Director, Harold Votey, and Manuel Carlos, Department of Anthropology, to meet with officials of the federal government and private industry regarding 1) support for the UCSB/Mexico business economics training and research program, and 2) support for the proposed Arts Management program.

Visit from the chairman of the Faculty of Economics and two members of the Department of Economics from the Universidad Autonoma de Nuevo Leon, Monterrey, Mexico, regarding details of the joint program in business training between their affiliated university and UCSB.

Series of six seminars begun titled "Workshop in Econometrics and Sociometrics" under the co-sponsorship of CORI and SPRI, Robert Deacon, Department of Economics, and Richard Berk, Department of Sociology, Chairpersons.

February 1980

Funds awarded: Mead, W.J., "Proposal to Key Punch Data from Microfilm," U.S. Forest Service, \$3,000.

March 1980

Funding awarded: Cotton, J. and Smith, T.R., "Testing a Model of Information Use in a Spatial Context," National Science Foundation, \$19,349.

Research
completed:

Final Report: "Competition and Performance in OCS Oil and Gas Lease Sales and Lease Development, 1954-1969," W.J. Mead and P.E. Sorensen, USDI, U.S. Geological Survey.

Final Report: "Decision-Making and Search Models of Intra-Urban Migration," T.R. Smith, P. Shapiro, J.O. Huff, and W.A.V. Clark, National Science Foundation.

Series of four seminars sponsored by the Urban Economics Program under the direction of Robert T. Deacon, Department of Economics. See list of speakers on p. of the Annual Report.

April 1980

Funding awarded: Agarwal, V., "Migration of Foreign Students to the United States," University of Southern California, \$2,471 (supplemental).

Biomedical Support Grant, NIH, \$3,724. Allocated percentage to CORI from total \$2,266,413 UCSB NIH and NIMH research project grants.

Mead, W.J., "The Effectiveness of Competition for Timber in the Pacific Northwest," U.S. Forest Service, \$26,726 (supplemental).

May 1980

Travel to Washington, D.C. by Harold Votey to attend a workshop sponsored by the NHTSA, and while there made additional contacts with federal government officials re support for the UCSB/Mexico Business Economics program and the Arts Management program.

RECORD OF PROPOSALS SUBMITTED 1979-80

| Principal Investigator | Agency | Title and Abstract | Amount | Status |
|--|--|--|-----------|--------|
| 1. Walter J. Mead and Philip E. Sorensen | U.S. Geological Survey | "Competition and Performance in OCS Oil and Gas Lease Sales and Lease Development" (Supplemental Funding). Abstract: The major thrust of the investigation is to determine whether the present OCS leasing system has created a pattern of competitive performance in bidding, in resource development, and in return of fair market value to the federal government. | \$ 39,695 | Funded |
| 2. Ronald L. Williams | California Department of Health Services | "MCH Statistical Data Base: Applications and Continued Development" -- Year 03. Abstract: This project will continue to develop the MCH statistical data base located at UCSB. A number of the elements of the data base will be useful in applications related to health policy, planning and evaluation. | \$ 62,581 | Funded |
| 3. Thomas Fuller | UCSB Foundation | History Fair. Abstract: The History Fair project seeks to create a community wide effort toward developing a greater awareness, appreciation and understanding of the cultural and multi-ethnic historical heritage of Santa Barbara County and the development of its various communities. | \$ 1,500 | Funded |

| Principal Investigator | Agency | Title and Abstract | Amount | Status |
|--|-------------------------------------|---|-----------|--------|
| 4. Dean Mann and Alan Wyner | U.C. Davis Water Resources Center | "Water Resource Management as a Constraint on Growth: The Case of Goleta, California" -- Year 02. Abstract: A case study of decisionmaking with respect to water supply in the area covered by the Goleta County Water District. | \$ 6,500 | Funded |
| 5. Llad Phillips | Law Enforcement Assistance Adminis- | "Identifying the Control Effects of Imprisonment." Abstract: This is a proposal to identify the control (deterrence and incapacitation) effect of imprisonment as a sanction, utilizing a theoretocal approach to crime and the criminal justice system similar to that of econometric modelling. | \$ 29,416 | Funded |
| 6. Carl Schwarz | National Science Foundation | "Cross-National Comparison of Community Dispute Processing Centers in Mexico, Cuba, U.S. and Canada." Abstract: The proposed project is designed to seek answers to fundamental questions raised by the proliferation of informal dispute mechanisms throughout the world. | \$ 90,783 | Denied |
| 7. Terence R. Smith, John Cotton and William Clark | National Science Foundation | "Testing a Model of Information Use in a Spatial Context." Abstract: The proposal focuses on the manner in which individuals collect information in order to make housing choices. A simple model of a housing market information system is used as the basis for a set of experiments representing a housing market situation. | \$ 25,128 | Funded |

| Principal Investigator | Agency | Title and Abstract | Amount | Status |
|-----------------------------------|---------------------------------------|---|-----------|--------|
| 8. Peter Merkl and Haruhiro Fukui | National Endowment for the Humanities | "Political Management of Economic Change in Postwar Japan and the Federal Republic of Germany." Abstract: This proposal is designed to advance understanding of the role of government and politics in the economic change of postwar Japan and the Federal Republic of Germany. The analysis will be based on a systematic and in-depth comparative study of relevant experiences in the two nations by an interdisciplinary team of about 30 specialists from the U.S., Japan, and Federal Germany. | \$ 30,000 | Funded |
| 9. Dean Mann | National Science Foundation | "A Study of Federal Agency Reorganization." Abstract: The focus of this study will be short to long term consequences of reorganization of the agency structure of the federal government. The assumption of this study is that reorganizations are almost always taken for policy reasons and are likely to have policy consequences. | \$188,751 | Denied |
| 10. Paul Sonnino | Exxon Foundation | "Louis XIV: A Film Proposal." Abstract: The objective of the project is to combine three things: the historian's knowledge, the art and music of the time, and the medium of film in order to establish a permanent record of early modern European history (1450-1815) for the general public. It is proposed to begin by producing a pilot film on Louis XIV. | \$ 82,778 | Denied |

| Principal Investigator | Agency | Title and Abstract | Amount | Status |
|---|---------------------------------------|---|-----------|-------------|
| 11. Walter J. Mead and Philip E. Sorensen | U.C. Los Alamos Scientific Laboratory | "Joint Bidding and Joint Venturing in OCS Oil and Gas Leasing with Special Consideration of Farmouts and Other Post-Sale Transfers of Ownership." Abstract: The proposed study involves follow-on research to recent work done for the U.S. Geological Survey. | \$ 49,693 | Denied |
| 12. Walter J. Mead | U.C. Los Alamos Scientific Laboratory | "An Economic Study of Profit-Share Bidding --An Empirical Analysis of the Long Beach Case Relative to Other Proposed Profit-Share Leasing Systems." Abstract: An empirical and theoretical investigation of profit-share bidding as it relates to conservation of oil and natural gas, maximization and collection of economic rent for the state, efficient lease development and operation, barriers to entry and competition for leases. | \$ 20,719 | Denied |
| 13. Haruhiro Fukui | Japan Foundation | "Political Management of Economic Change in Postwar Japan and the Federal Republic of Germany." Abstract: see #8. | \$ 35,640 | Pending |
| 14. Jati K. Sengupta and Vinod B. Agarwal | National Institute of Health | "Economic Impact of International Migration on the U.S." Abstract: The objective of this study is to develop suitable quantitative models which are capable of analyzing some of the major economic implications of international migration of manpower into the U.S. economy. | \$172,843 | Resubmitted |

| Principal Investigator | Agency | Title and Abstract | Amount | Status |
|---|--|--|-----------|---------|
| 15. Harold L. Votey, Jr. and Perry Shapiro | Department of Housing and Urban Development | "Tax Conference Proceedings Distribution: An Extension of the UCSB Conference on Property Tax Limitation." Abstract: A request for funds to distribute copies of the <u>National Tax Journal Supplement</u> on the <u>HUD-UCSB Conference on Tax</u> Limitation. | \$ 20,801 | Funded |
| 16. Thomas Gray | National Science Foundation (Student Originated Studies) | "Price Discrimination in Rental Housing: An Empirical Approach." Abstract: A proposal to investigate some widely- held, but ill-documented beliefs concerning price discrimination in rental housing markets. A mathematical model of resi- dential housing will be constructed that will isolate the effects of belonging to a certain population group. | \$ 8,443 | Denied |
| 17. Ray Hosford and Jacqueline Keller | National Institute of Health | "Reducing Stress Among Hospital Employed Nurses." Abstract: Objective of this study is to implement and evaluate an experimental stress-management program designed to reduce stress experienced by nurses in specific problem situations previously identified in preliminary research. A secondary objective is to develop an empirically demonstrated exportable stress-management program that can be used by other hospitals. | \$ 36,111 | Pending |
| 18. G. Wesley Johnson | Rockefeller Foundation | "New Directions in Public History." Abstract: A three-year program of activity to complete the job of firmly planting Public History in the national soil for public benefit. | \$161,000 | Funded |

| Principal Investigator | Agency | Title and Abstract | Amount | Status |
|--|--|--|-----------|---------|
| 19. Peter Merkl and Haruhiro Fukui | Volkswagen Foundation | "Political Management of Economic Change in Postwar Japan and the Federal Republic of Germany." Abstract: See #8. | \$ 5,575 | Funded |
| 20. Lloyd Mercer and W. Douglas Morgan | Department of the Interior (Office of Water Research and Technology) | "Urban Water Conservation: Estimates of the Potential of Policy Alternatives." Abstract: Analysis of non-structural urban water demand management by 50 municipal enterprise water utilities is to be undertaken for fiscal years 1970-1981. This analysis is to indicate the potential of policy alternatives for improving nonstructural urban water demand management with focus on water conservation. | \$ 96,705 | Funded |
| 21. W. N. Holmes | NATO | "Effects of Ingested Petroleum on Hormone Mechanisms: An Experimental Assessment of Acute Petroleum Toxicosis on the Survival of Birds Living in Contaminated Environments." Abstract: A proposal to assess the systemic effects of ingested petroleum on wild Mallard ducks, specifically with reference to stress associated with sustained flight and brooding. | \$ 22,222 | Pending |
| 22. Robert T. Deacon | Office of Education | "Urban Economics Program Option." Abstract: Request for fellowship support for six graduate students in the UCSB Urban Economics Program. | \$ 81,900 | Pending |
| 23. Robert T. Deacon | Office of Education | "The UCSB Urban Economics Program: An Urban Extension." Abstract: Request for administrative support for the Urban Economics Program. | \$ 42,144 | Denied |

| Principal Investigator | Agency | Title and Abstract | Amount | Status |
|--|--|---|------------|--------|
| 24. William Reardon and Harold L. Votey, Jr. | Department of Health Education and Welfare | "A Program of Management in the Arts." Abstract: A proposal for support of the initial costs to create a program of career training management in the arts. The program aims at providing training in management and business techniques for students with strong interests in art, art history, dance, dramatic arts, film studies, and music. | \$ 262,705 | Denied |
| 25. Walter J. Mead | U.S. Forest Service | "Effectiveness of Competition for Timber in the Pacific Northwest" Supplemental). Abstract: This study proposes to undertake a comprehensive analysis which will test hypotheses concerning the effectiveness of competition for timber sales, alternative sales policies for U.S. Forest Service timber, and economic assessment of current Forest Service appraisal procedures for timber sales. This is a request for supplemental funding of the original proposal. | \$ 26,726 | Funded |
| 26. Walter J. Mead | U.S. Forest Service | "A Proposal to Keypunch Data from Microfilm." Abstract: Request for funds to transfer data from microfilm to computer tapes for USFS research. | \$ 3,026 | Funded |
| 27. Dean Mann and Edward Birch | U.C. Davis Water Resource Center | "The Effects of Phenomenal Population Growth and Inadequate Community Infrastructure on Water Resource Management in Three Counties of the Sierra Nevada Mountain Range." Abstract: A case study of decisionmaking with respect to water availability, water usage, and water quality | \$ 9,000 | Funded |

| Principal Investigator | Agency | Title and Abstract | Amount | Status |
|---|--|--|-----------|-------------|
| 28. Walter J. Mead and Philip E. Sorensen | U.S. Geological Survey | control, focusing on special water management problems created by inadequate community infrastructure. "Additional Studies of Competition and Performance in OCS Oil and Gas Lease Sales and Lease Development." Abstract: The proposal seeks funding for follow-on research relating to previous work for USGS. | \$ 52,274 | Funded |
| 29. Dean Mann | National Science Foundation | "A Study of the Consequences of Federal Agency Reorganization." Abstract: See #9. | \$ 52,904 | Denied |
| 30. George J. Borjas | Department of Labor | "The Economic Status of Cubans in the U.S.: Comparisons to Other Hispanic Groups and to Native Americans." Abstract: Support is requested to conduct an empirical analysis of the economic status of Hispanic males in the U.S. The proposed research will expand and complement previous studies by extending the analysis to both labor supply and labor turnover. | \$ 72,438 | Resubmitted |
| 31. Ronald L. Williams | California Department of Health Services | "MCH Statistical Data Base Applications" -- Year 04. Abstract: See #2. | \$114,685 | Funded |
| 32. Paul Sonnino | National Endowment for the Humanities | "Art as an Historical Source in the Reign of Louis XIV." Abstract: The purpose of this project is to collect, classify and analyze a large body of works from the reign of Louis XIV (1643-1715) which can serve as sources of the reign. | \$125,017 | Pending |

| Principal Investigator | Agency | Title and Abstract | Amount | Status |
|---|--|--|-----------|---------|
| 33. Harold L. Votey, Jr. and Perry Shapiro | National Science Foundation | "Driving While Intoxicated: Behavioral Forces and Legal Sanctions for Control." Abstract: This research is an attempt to extend relevant theory with respect to modelling illegal behavior under uncertainty, and to test that theory with two data sets. The illegal behavior under consideration is drunken driving that leads to personal injuries and death. | \$ 62,221 | Denied |
| 34. Harold L. Votey, Jr. and Perry Shapiro | National Institute of Justice | "Driving While Intoxicated: Behavioral Forces and Legal Sanctions for Control." Abstract: See #33. | \$ 62,221 | Funded |
| 35. William Reardon and Harold L. Votey, Jr. | Exxon Foundation | "Management for the Arts." Abstract: See #24. | \$196,568 | Denied |
| 36. Walter J. Mead and Philip E. Sorensen | Federal Trade Commission | "Cross Subsidization and Competition: A Theoretical and Empirical Study." Abstract: The proposed research will be carried out in three parts: an analysis of the theoretical and empirical litera- ture relating to cross subsidization; development of a theoretical model of firm behavior; testing the model in a case study of subsidization. | \$ 72,935 | Pending |
| 37. G. Wesley Johnson | National Endowment for the Humanities | "Creating a New Curriculum in Public History." Abstract: Request for a three-year curriculum development grant in order to strengthen the graduate program in Public History, create a new undergraduate emphasis, provide means for the faculty to develop new courses and receive further training. | \$263,798 | Pending |

| Principal Investigator | Agency | Title and Abstract | Amount | Status |
|---|--|---|-----------|---------|
| 38. Jati K. Sengupta | National Science Foundation | "Risk Aversion in Underdeveloped Agriculture." Abstract: The main objective of this research proposal is to test empirically the hypothesis of risk aversion in agricultural production and resource use and its effect on resource utilization and efficiency. | \$ 75,584 | Pending |
| 39. Jati K. Sengupta | National Science Foundation | "Efficiency Analysis in Stochastic Linear Programming." Abstract: The objective of this research is to generalize the theory of efficiency measures for decisionmaking units and extend its applicability in situations where the observed input-output data have stochastic components, reveal risk aversion and generate new information. | \$101,263 | Pending |
| 40. Jati K. Sengupta and Vinod B. Agarwal | National Institute of Health | "International Migration of Professional Manpower and its Implications." Abstract: A proposal to develop suitable quantitative models which are capable of analyzing some of the major economic implications of international migration of manpower into the U.S. economy. | \$149,858 | Pending |
| 41. P. Merkl and H. Fukui | Japan Society for the Promotion of Science | "Political Management of Economic Change in Postwar Japan and the Federal Republic of Germany." See entry #8 for abstract. | \$14,500 | Funded |

EXTRAMURAL AWARD ACTIVITY FOR THE PERIOD 7/1/79 - 6/30/80

| | |
|---|------------------|
| 1. AN URBAN EXTENSION: SOME INNOVATIONS | \$340,000 |
| National Science Foundation HES73-10322 A01 | 11/1/73-10/31/79 |

Project Director: Perry Shapiro, Professor of Economics
 Project Coordinator: Robert T. Deacon, Assoc. Prof. of Economics

COMMENT

The Urban Economics Program at the University of California, Santa Barbara was started almost six years ago with the aid of a National Science Foundation grant. The program, to date, is a success; five cohorts of students are through the program and employed, and a sixth set is finishing their course work and preparing to take up internships with local public agencies.

The National Science Foundation has granted three years funding beyond the original grant. During this time, the program has been broadened and strengthened prior to the University's evaluation of it as an ongoing part of its program. The additional funding has permitted innovations in the program and expansion in important areas. First, we are developing courses on the relationship between economic analysis and the political implementation of working policy. Our students need to be made aware that political realities are a part of the optimization process. Second, we are developing additional capabilities in the area of campus instruction. Creative uses of new educational technology will be used so that the program offering can be made available to students not able to attend full time. We are also extending our supervisorial activities of students in the field and are participating in part time consulting for local public agencies.

2. BIOMEDICAL SCIENCES SUPPORT GRANT Yr. 11 \$2,679

National Institute of Health S07 RR07099-10 4/1/77-3/31/79

Allocated percentage to CORI from total UCSB
NIH and NIMH project grants: \$46,503

Comment

This was the third year of funding resulting from opportunity funds provided by the National Institute of Health based on the level of current funding on health related projects by NIH and NIMH. Expenditure of these funds was used to support preliminary research on 1) the communal reorganization and regional development policy of West Germany; 2) minimizing the social cost of drunken driving; and 3) a demographic study on births, deaths, marriages, and emigration.

3. BIOMEDICAL SCIENCES SUPPORT GRANT Yr. 12 \$357

National Institute of Health S07 RR07099-12 4/1/78-3/31/80

Allocated percentage to CORI from total UCSB
NIH and NIMH project grants: \$6,450

Comment

This is the fourth year of funding resulting from opportunity funds provided by the National Institute of Health based on the level of current funding on health related projects by NIH and NIMH. A portion of the funds was used by Dr. Harold L. Votey, Jr. to support a study on the Control of Drunken Driving.

4. BIOMEDICAL SCIENCES SUPPORT GRANT Yr. 13 \$3,657

National Institute of Health S07 RR07099-13 4/1/79-3/31/81

Allocated percentage to CORI from total UCSB
NIH and NIMH project grants: \$69,512

Comment

This is the fifth year of funding resulting from opportunity funds provided by the National Institute of Health based on the level of current funding on health related projects by NIH. Most of the funds were used to purchase word processing computer equipment to assist in the processing and dissemination of research results.

5. BIOMEDICAL SCIENCES SUPPORT GRANT Yr. 14 \$3,477

National Institute of Health S07 RR07099-14 4/1/80-3/31/81

Allocated percentage to CORI from total UCSB
NIH and NIMH project grants: \$99,355

Comment

This is the sixth year of funding resulting from opportunity funds provided by the National Institute of Health based on the level of current funding on health related projects by NIH. Some of the funds have been used to purchase word processing computer equipment to assist in the processing and dissemination of research results. Use of the balance of the funds has not yet been determined.

6. THE RESPONSES OF LOCAL GOVERNMENTS IN CALIFORNIA TO SEISMIC SAFETY EVENTS \$228,665

National Science Foundation ENV77-03688-1 6/1/77-5/31/80

Faculty: Dean E. Mann, Department of Political Science
Alan J. Wyner, Department of Political Science
John Marshall, Department of Economics

Students: George Dennis, Research Assistant
Henry Flores, Research Assistant
Arthur Svenson, Research Assistant

Abstract

California is a seismically active area; earthquakes therefore pose a genuine threat to life and property. Local governments have principal responsibility for planning and executing programs to minimize and mitigate such dangers. Local governments, however, have incentives to limit preparations for such disasters unless they have experienced an earthquake or have reason to think one is imminent. This project is designed to investigate the principal sources of resistance to earthquake damage mitigation planning at the local level. Through studies of several cities in California, some with recent earthquake experience and others without, the behavior of various participants in the local decision-making process will be examined to ascertain the sources of resistance to adequate seismic safety planning and the extent to which local governments learn from the experience of others. The roles of the national, state and regional governments will also be examined because of their capacity to alter the behavior of local officials. The objective of the study is to provide officials at all levels of government and in the private sector with improved understanding of the political and economic incentives for action or inaction and alternative strategies for overcoming resistance to effective seismic safety planning.

7. MEASURING THE EFFECTIVENESS OF PERINATAL MEDICAL CARE Yr.03 \$79,884

Bureau of Community Health Services MC-R-060390-03-0 1/1/79-3/31/80

Principal Investigator: Ronald L. Williams, Ph.D.

Staff: William Mason, Staff Research Associate
Peter Lufkin, Research Assistant
Ciaran Phibbs, Assistant
Peter Chen, Assistant

Abstract

This project will compute an index of the effectiveness of perinatal care as delivered in all California hospitals during 1960-1975. The index is defined as the ratio of the expected perinatal deaths to the number of observed deaths. Expected deaths are computed on the basis of each newborn's birth weight, sex, race, and plurality as abstracted from approximately 4 million linked birth and death records.

Information related to the structure and process of perinatal care in California hospitals will be obtained by questionnaires. Relationships between the effectiveness index and the structural and process variables will be studied using multiple regression. The impact of the increasing rate of cesarean sections on the perinatal outcomes will be examined using simultaneous statistical inference.

Hospital financial, facility, and staffing information compiled by the California Health Facilities Commission will also be obtained. Information on patient revenues and costs will be used to study variations in cost-effectiveness.

As an important by-product of the study, data will be tabulated regarding the intrauterine growth and perinatal mortality characteristics of the California population by race, sex and plurality, thereby establishing accurate reference standards for fetal growth and perinatal risk which will be applicable to much of the American newborn population.

8. PRIVATE PREFERENCE FOR NONMARKET GOODS AND SERVICES:
A CONDITIONAL DEMAND APPROACH \$22,500

National Science Foundation SOC77-16124 9/1/77-8/31/79

Principal Investigator: Perry Shapiro, Department of Economics

Students: Hamid Zerehi, Research Assistant

Abstract

This project develops and then tests a methodology for measuring the value of goods and services not purchased through the normal market mechanisms, such as governmental or environmental goods. This approach assumes that the quantities of such goods are fixed in the short-run and that the consumer chooses

his bundle of market goods to maximize his utility conditional on the fixed level of nonmarket goods. The resulting market demand system is conditional on the nonmarket bundle. This conditional demand system links market behavior to nonmarket goods. If preferences for market and nonmarket goods are non-separable, then market behavior can be used to evaluate nonmarket goods. The parameters for conditional demand systems in the United States are estimated using national cross section consumer expenditure survey data. The resulting estimates permit calculation of the implicit private evaluations of nonmarket goods.

9. COMPETITION AND PERFORMANCE IN OCS OIL AND GAS LEASE
SALES AND LEASE DEVELOPMENT

\$155,306

U.S. Geological Survey 14-08-0001-16552

10/1/77-6/30/80

Faculty: Walter J. Mead, Department of Economics
Philip Sorensen, Department of Economics

Russell M. Jones, Department of Economics

Student: Asbjorn Moseidjord, Research Assistant

Abstract

This proposal requests support for follow-on research relating to the project entitled "The Internal Rate of Return on 1954-62 OCS Oil and Gas Lease Sales and An Appraisal of the Effectiveness of the Bonus Bidding Procedure" (USGS Grant No. 14-08-001-G-265), which was carried out over the period October 1, 1975 - December 31, 1976. That study involved a detailed cost and revenue analysis of the first twelve OCS oil and gas lease sales, involving 839 leases issued over the years 1954-1962 in the Gulf of Mexico. The major thrust of our investigations has been to determine whether the present OCS leasing system has created a pattern of competitive performance in bidding, in resource development, and in return of fair market value to the federal government.

Our proposed new research involves three major objectives: (1) Extending of analysis to additional lease sales and later periods of leasing experience, to new offshore areas, and to those areas of the Gulf of Mexico leased under state jurisdiction which were later determined to be within the federal domain; (2) Completing a more detailed analysis of bidding patterns and profitability of offshore investments basing these investigations on the performance of the 839 leases studied in the previous grant period; (3) Investigating a new question of great interest to managers of federal OCS resources. What are the factors affecting expeditious development of oil and gas on the OCS and how are these factors related to profitability, firm size, size of ultimate resource, and developments in offshore production technology.

10. RESEARCH ON THE CONTROL OF CRIME IN SWEDEN

\$33,377

National Council for Crime Prevention,
Stockholm, Sweden

7/1/78-12/31/80

Principal Investigator: Harold L. Votey, Jr., Department of Economics

Abstract

The proposed research has as its objective learning more about the efficacy of alternatives for the control of criminal behavior in Sweden. It is proposed to apply economic and econometric techniques previously not used in Sweden to the excellent data base available there. The product of the research promises to be of interest to policymakers in Sweden who have to wrestle with the burgeoning crime problem in the face of rising costs and limited budgets, to researchers in Sweden who have an interest in the application of alternative techniques to the evaluation of problems of social control, and to the extensive number of criminologists, economists, and sociologists in a number of countries, who would welcome further evidence in the continuing debate over the deter-ability of crime and the efficacy of penalties.

Two classes of offenses will be investigated using a combination of cross-section - time-series analysis and dynamic time-series analysis within a systems framework that standardizes for causal forces. The work is planned to be conducted in part in Sweden and in part in the U.S. so that there will be substantial opportunities to exchange ideas while allowing the author to conduct econometric analysis with the maximum of efficiency using computer software and techniques with which he is familiar.

11. MCH-UCSB STATISTICAL DATA BASE

YR. 03. \$52,549

California Department of Health - Maternal and Child Health

7/1/79-6/30/80

Principal Investigator: Ronald L. Williams, Ph.D.

Staff: William Mason, Staff Research Associate
Peter Chen, Staff Research Associate
John Marinko, Assistant

Abstract

Over the last decade the Department of Health has accumulated a large aggregate of computerized vital record and other statistical data related to maternal and infant health. Because of the size and diversity of California's population of mothers, infants, and hospitals these data no doubt comprise one of the largest and most complete sets of information of its kind in the world. While many routine data processing tasks are adequately managed by various branches of the Department of Health, there does not presently exist within the MCH Branch a capability of perform state-of-the-art statistical data analysis procedures in a flexible and rapid manner. Not only do such procedures require

sophisticated computer hardware and software resources, but specially trained personnel are necessary to handle new and unusual data analysis tasks.

During the last five years there have been a number of federally-sponsored collaborative projects between the MCH Branch and the Community and Organization Research Institute, which have resulted in the establishment at the University of California, Santa Barbara, of a large computerized data base as well as the ability to perform specialized statistical analysis techniques. Continuing to develop and maintain such a data base will allow the MCH staff to perform ad-hoc statistical analysis tasks very rapidly with minimal costs. Additionally, the data base will provide the statistical support for health planning, evaluation, and funding strategies.

12. DECISION MAKING AND SEARCH MODELS OF INTRAURBAN MIGRATION \$25,451
 National Science Foundation SOC77-27632 1/1/78- 3/31/80
 (Subcontract with UCLA)

Co-Principal Investigators: Terence Smith, Department of Geography
 Perry Shapiro, Department of Economics
 William A. V. Clark, Department of Geography, UCLA
 James O. Huff, Department of Geography, UCLA

Student: Paul Boyce, Research Assistant

Abstract

The proposed research investigates the behavior of households actively searching for a new residence in large and complex housing markets. The research design has two components: the development of a model which explicitly incorporates the spatial and temporal aspects of residential choice, and an empirical study which monitors the search and decision making process of prospective movers in the Los Angeles area. The particular strength of the proposed research and its major contribution to the field is that it addresses the spatial and temporal aspects of the residential search process. With the data made available we expect to specify a model which predicts 1) the probability that a prospective migrant will search for a new residence in a given area of the city, 2) the time when the search process will come to a conclusion, and 3) by implication, the expected location of the new residence.

13. THE EFFECTIVENESS OF COMPETITION FOR TIMBER IN THE
PACIFIC NORTHWEST \$124,636
- U.S. Forest Service PSW G-34 9/1/78-12/31/80
- Principal Investigator: Walter J. Mead, Department of Economics
- Students: Mark Schniepp, Postgraduate Research
Richard Watson, Postgraduate Research

Abstract

This study undertakes a comprehensive analysis which tests hypotheses concerning the (1) effectiveness of competition for timber sales, (2) alternative sales policies for U.S. Forest Service timber, and (3) economic assessment of current Forest Service appraisal procedures for timber sales. The extent of competition is analyzed not only for Region 6 as a whole, but for subregions grouped in various ways. The scope of the study encompasses an analysis of both buyer and seller market characteristics including the relative importance of timber from various supply sources. In addition, appraisal procedures are assessed in relation to bid values with emphasis on analysis of observed variations.

A comparative analysis is included utilizing a study by Mason, Bruce, and Girard involving Bureau of Land Management Sales. In addition, the study recognizes parallel sales policies of Outer Continental Shelf oil and gas leases currently under examination by the principal investigator.

14. RACE, LABOR TURNOVER, AND MALE EARNINGS \$19,649
- U.S. Department of Labor DOL 91-06-79-44 9/1/79-8/31/80
- Principal Investigator: George Borjas, Department of Economics

Abstract

This study analyzes how differences in labor turnover between blacks and whites are related to the observed racial wage differentials among men. The main objectives of the analysis are to document empirically what determines racial differences in labor turnover, estimate how the gains to mobility are affected by race, and show how wage growth within the job differs between blacks and whites. These findings, in turn, are used to provide a deeper understanding not just of the magnitude of black/white earnings differences, but of how these racial differentials are formed. The analysis is conducted on both male National Longitudinal Surveys making full use of the longitudinal nature of the data.

15. PUBLIC SERVICE FELLOWSHIP PROGRAM \$31,200
 U.S. Office of Education G007800169 9/1/78-8/31/79
 Director: Robert T. Deacon, Department of Economics

Abstract

This award involves fellowship support for six graduate students in the UCSB Program in Urban Economics. The fellowship is used to attract to the program promising candidates who indicate a strong interest in public service, and to assist qualified students who, for financial reasons, might not be otherwise able to undertake graduate study.

16. WATER RESOURCE MANAGEMENT AS A CONSTRAINT ON GROWTH: THE
 CASE OF GOLETA, CALIFORNIA \$23,345
 University of California Water Resources Center W-555 7/1/78-6/30/80

Principal Investigators: Dean E. Mann, Department of Political Science
 Alan J. Wyner, Department of Political Science

Students: Thomas Andres, Research Assistant
 Zachary Smith, Research Assistant

Abstract

This research will constitute a case study of decision-making with respect to water supply in the area covered by the Goleta County Water District in Santa Barbara County. It will recount the history of the citizen movement to constrain demand by limiting water hook-ups through the adoption of a moratorium, the capturing of the Board by the members of this movement, subsequent actions to implement this policy, relationships with other water purveyors and managers in planning future water policy in the County, and the impacts of the moratorium on the community economically, politically, and socially. It will explore fully this strategy for managing demand as an alternative to supply management or other possible strategies.

The research objectives are to learn: (1) how a community foresaw the need for imposing controls on growth; (2) how the community mobilized its resources to establish a new departure in water policy; (3) how the community implemented its new policy and resolved related problems; (4) the effects of the policy on the Goleta community and other communities in the area; and (5) the long-term effects of the policy on development within the area.

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| 17. UCSB CONFERENCE ON PROPERTY TAX LIMITATION | \$99,294 |
| U.S. Department of Housing and Urban Development | 9/11/78-6/30/79 |
| Director: Perry Shapiro, Department of Economics | |

Abstract

The purpose of the conference was to bring together leading economists and scholars in related fields to explore the implications of property tax limitation and to provide direction for long term research efforts in this area. Research papers, solicited from recognized experts on the public economy, were presented at the conference. These papers were commissioned for the conference and were subsequently made available to those responsible for directing public research programs and formulating public policy, as well as to other scholars in the field. Special consideration was given to the review process. Each paper was subjected to close scrutiny and evaluated in terms of the findings of other participants by invited discussants. By emphasizing the evaluation process, we obtained intelligent commentary, but also directed some of the nation's best analytical talent toward the research and policy issues surrounding property tax limitation. In addition to authors and discussants, we invited the attendance of policy makers and public officials, those who are actually or potentially involved in the implementation of property tax or expenditure limitation programs. This provided a rather rare opportunity for scholars and practitioners to exchange views on these important policy questions.

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| 18. TAX CONFERENCE PROCEEDINGS DISTRIBUTION: AN EXTENSION OF THE UCSB CONFERENCE ON PROPERTY TAX LIMITATION | \$20,801 |
| Department of Housing and Urban Development | 9/1/79-8/30/80 |
| Directors: Perry Shapiro, Department of Economics Harold L. Votey, Jr., Department of Economics | |

Abstract

This proposal requests funds to cover the costs of distributing the National Tax Journal Supplement on the HUD-UCSB Conference on Property Tax Limitation.

19. A STUDY OF THE TEMPORAL CROSS-SECTIONAL STABILITY OF THE
HEDONIC STRUCTURE OF PRICES IN THE LOS ANGELES
HOUSING MARKET \$9,614
- U.S. Department of Housing and Urban Development 6/1/69 - 9/30/79
- Principal Investigators:
Perry Shapiro, Department of Economics
Terence R. Smith, Department of Geography

Abstract

An investigation is proposed into the temporal and cross-sectional stability of hedonic prices in the Los Angeles housing market. The study will use the Multiple Listing Service data incorporating over half a million observations on house sales, 1966-1976. This data set will be merged with 1970 Census Tract data using sophisticated techniques. The analysis will be unique in terms of its scale and will provide important information concerning the validity of some current applications of hedonic techniques in the housing market.

20. MIGRATION OF FOREIGN STUDENTS IN THE UNITED STATES \$22,888
- National Institute of Health
(Subcontract with University of Southern California) 4/1/79 - 12/31/80
- Principal Investigator: Vinod B. Agarwal, Department of Economics
- Students: John Leonard
Wei Jang Huang
Wei Chao Huang
Abdul Banaga

Abstract:

This study will attempt to describe and analyze the flow of foreign students to the United States over time from 1954 and cross-sectionally by country of origin. At a descriptive level, the study will bring together statistics on foreign students from a number of sources such as the International Institute of Education, the National Science Foundation and the Department of Labor. They will be adjusted for changes in the definition of foreign student and underreporting in order to provide an account of the changing magnitude and composition of the flow of foreign students to the United States and of the number of these students who change their status from non-immigrants to immigrant. The major goal of the study is to analyze the determinants in the demand and supply for a United States education by foreign students and the probability that a student will become an immigrant to the United States. Foreign student enrollment is measured by gross migration as a proportion of students from a given country who adjust their status from student visa to migrant.

21. CREATING A NEW PROFESSIONAL PERSON:
THE PUBLIC HISTORIAN \$268,500

The Rockefeller Foundation 9/1/76-11/30/82

Faculty: Robert Kelley, Department of History
G. Wesley Johnson, Department of History
Thomas Fuller, Assistant, Department of History

Abstract

This proposal requests support for a pioneering graduate program which aims at creating a new professional person: the Public Historian. It seeks to train students to serve as research historians who will work within the community at large, rather than on the staffs of academic institutions. Leading to the master's and doctor's degrees in history (based upon specially designed curricula which blend traditional studies with this new focus), it specifically focuses on the urban setting, and upon problem-oriented research. The purpose is to add a new element to the decision-making process currently at work within local communities: analysis through the historical method. Additional concerns are providing leadership to the awakening concern in communities with a recapturing and appropriate display and understanding of their own pasts. The Public Historian will be trained to write highly focused and localized historical studies of existing problems; to enter employment in Federal and state history programs, as yet a profession inchoate and without focus; to take up positions in private corporations, newspaper offices, law partnership research agencies; and to learn how to create programs of public outreach which make the results of research available and intriguing to the public at large, demonstrating the usefulness of humanistic scholarship.

22. ADDITIONAL STUDIES OF COMPETITION AND PERFORMANCE
IN OCS OIL AND GAS LEASE SALES, 1954-1975 \$52,274

U.S. Geological Survey 4/1/80-9/30/80

Principal Investigators: Walter J. Mead, Department of Economics
Philip E. Sorensen, Department of Economics

Students: Asbjorn Moseidjord, Postgraduate Researcher
Dennis Muraoka, Postgraduate Researcher

Abstract

This is a proposal for follow-on research relating to USGS Contract No. 14-08-0001-16552 entitled "Competition and Performance in OCS Oil and Gas Lease Sales and Lease Development." The research employs the existing LPR-19-D data base to answer new and important policy-related questions which have arisen in the process of review of the previous research by officials of USGS and other federal government agencies.

Specifically, the analysis focuses on five questions: 1). What was the after-tax rate of return on the 1954-1969 OCS leases studied in our previous report? 2). What share of the economic rent in OCS leases has

been captured by the federal government under the bonus-bid leasing system? 3). Can the conclusions reached in the study of the 1954-1969 OCS leases be generalized so as to permit statements to be made concerning the effectiveness of competition in post-1969 OCS leasing? 4). Are high bids for leases and the internal rates of return earned by lessees affected by the geological age of the producing structures involved? and 5). Does the wildcat-drainage distinction which has previously been used to classify leases in our study appropriately reflect the true character of these leases?

23. PROPOSAL TO KEYPUNCH DATA FROM MICROFILM \$3,026
 U.S. Forest Service 2/15/80-12/31/80
 Principal Investigator: Walter J. Mead, Department of Economics

Abstract

A request for funds to transfer data from microfilm to computer tapes for U.S. Forest Service grant on "The Effectiveness of Competition for Timber in the Pacific Northwest."

24. SANTA BARBARA COUNTY HISTORY FAIR \$1,500
 UCSB Foundation 5/1/80-6/30/81
 Co-Directors: Thomas Fuller, Research Historian, Department of History
 Gayle Olson, Ph.D. Candidate, Public Historical Studies,
 Department of History

Abstract

The History Fair project seeks to create a community wide effort toward developing a greater awareness, appreciation, and understanding of the cultural and multi-ethnic historical heritage of Santa Barbara county and the development of its various communities. This will be achieved by sponsoring a History Fair event which will link together a broad audience of students, teachers, parents, neighbors, and cultural, civic and business groups and persons. The processes will involve gathering and developing information resources on cultural and historical themes relating to county community history, and through educational workshops, public presentations, and printed guidelines making these available for use, especially to educators in fostering high school student community history projects to be presented at the History Fair exhibition and judging convened at the University of California, Santa Barbara, campus in November 1980. The exhibition of the student's activities will, we believe, stimulate an appreciation of community historical heritage. To broaden the impact we will plan various post-Fair dissemination activities such as mobile exhibits at central locations, media coverage, and pamphlet production of the Fair's results. We believe the concept of the History Fair to be a useful vehicle for involving a wide participation of the public in looking at how historical events have shaped their ethnic and community experience.

25. IDENTIFYING THE CONTROL EFFECTS OF IMPRISONMENT

\$29,416

US JUSTICE 79-0069

7/1/79-9/30/80

Principal Investigator: Llad Phillips, Department of Economics

Student: Subhash Ray

Abstract:

This is a proposal to identify the control (deterrence and incapacitation) effect of imprisonment as a sanction. It utilizes the Sims-Granger definition of causality and their approach towards identification. Their notion is that strict causality can occur only with the past causing the present. The proposal is based on a theoretical approach to crime and the criminal justice system similar to that of econometric modelling. The theory suggests three possible relations between the offense rate and the probability of imprisonment: control (negative), definitional (negative) and response (positive). If these three effects occur simultaneously it would be difficult to distinguish them. The econometric modelling approach attempts identification of the control effect by specifying a simultaneous equation system. The alternative pursued in this proposal is to postulate that the control effect will involve changes in the expected sentence leading to inverse changes in the offense rate with a lag while the response effect will consist of changes in the offense rate leading to positive changes in the expected sentence with a lag. Since the definitional effect is contemporaneous (no lead or lag) the system of effects is not purely recursive. However, it is possible to distinguish the effects by examining the correlations between changes in the offense rate and changes in the expected sentence as a function of lag. This is tested using California data for willful homicide for the years 1945-1975 and proves successful in identifying all three effects: control, response and definition. The proposal is to refine the time series technique and extend the analysis to the other major felony crimes.

26. TESTING A MODEL OF INFORMATION USE IN A SPATIAL CONTEXT \$21,342

UCLA NSF SOC77-27362

3/1/80-2/28/82

Co-Principal Investigators: John Cotton, Graduate School of Education
Terence R. Smith, Dept. of Geography
William A.V. Clark, Dept. of Geography, UCLA

Students: James D. Robbins, Research Assistant

Abstract:

The proposal focuses on the manner in which individuals collect information in order to make housing choices. A simple model of a housing market information system, with four channels of information, is used as the basis for a set of experiments representing a housing market situation. The experiments with recent home buyers are designed to examine the impacts of costs of information on strategies of information utilization in making housing choices. The results of the experiments can be compared with results obtained by simulation from models of the decision making process.

A particular strength of the proposal is the development and utilization of analytical models to gain insight into the complex interaction of information sources in a spatial context. The research goes further than previous studies of the housing market, which have used only survey methodology to query individuals about the different types of information that they used in their decision making. The experimental design used in this analysis will enable us to examine the kinds of spatial and non-spatial information that are utilized in housing choices.

27. INSTITUTIONAL FUNDS \$5,010

U.S. Office of Education

9/1/79-6/30/80

Faculty: Robert T. Deacon, Department of Economics

Comment

These funds were received from the Office of Education as part of a grant to provide public service fellowships for students in the Urban Economics Program. The funds have been used to cover expenses arising from administrative and other costs relating to the Program.

INTRAMURAL AWARD ACTIVITY FOR THE PERIOD 7/1/79 - 6/30/80

| | | | |
|----|-----------------------------------|---------|----------------|
| 1. | SANTA BARBARA COUNTY HISTORY FAIR | \$2,500 | |
| | | | 7/1/79-6/30/80 |

Co-Directors: Thomas Fuller, Research Historian, Department of History
 Gayle Olson, Ph.D. Candidate, Public Historical Studies,
 Department of History

Abstract

The History Fair project seeks to create a community wide effort toward developing a greater awareness, appreciation, and understanding of the cultural and multi-ethnic historical heritage of Santa Barbara County and the development of its various communities. This will be achieved by sponsoring a History Fair event which will link together a broad audience of students, teachers, parents, neighbors, and cultural, civic and business groups and persons. The processes will involve gathering and developing information resources on cultural and historical themes relating to county community history, and through educational workshops, public presentations, and printed guidelines making these available for use, especially to educators in fostering high school student community history projects to be presented at the History Fair exhibition and judging convened at the University of California, Santa Barbara, campus in November 1980. The exhibition of the student's activities will, we believe, stimulate an appreciation of community historical heritage. To broaden the impact we will plan various post-Fair dissemination activities such as mobile exhibits at central locations, media coverage, and pamphlet production of the Fair's results. We believe the concept of the History Fair to be a useful vehicle for involving a wide participation of the public in looking at how historical events have shaped their ethnic and community experience.

PUBLICATIONS

Urban Economics ProgramResearch Reports in Public Policy

Gutierrez, Rose, "Fuel Management Options for the Santa Barbara Front," August 1979.

Parris, Kenneth M., "Municipal Government Revenue Sources in Post Proposition 13 California (Alternatives for Local Policy Makers to Finance Municipal Services)," August 1979.

Callahan, Roy, "Otay Mesa East: A Comparative Fiscal Impact Analysis" (Abridged), November 1979.

Public History Program

Johnson, G. Wesley and Nye, Ron, eds.

Environmental Hazards and Community Response (written by twelve students in Public History).

Borjas G. J.

"Final Report: Race, Labor Turnover, and Male Earnings," U.S. Department of Labor, July 1979.

Mann, D. E.

"Federal Reorganization: Does It Matter?" in Reorganization: Issues, Implications and Opportunities for U.S. Resource Policy, Center for Resources and Environmental Policy Research, Duke University, 1979.

Why Policies Succeed and Fail, editor (with Helen Ingram), Sage Publications, including an introductory essay by the co-editors, 1980.

"Institutional Framework for Agricultural Water Conservation and Reallocation in the West: A Policy Analysis." (Completed and submitted for publication.)

"Research on Political Institutions and Their Response to the Problem of Increasing CO₂ in the Atmosphere." (Completed and submitted for publication.)

"How We Might Respond to a Different Climatic Regime," to be published by the Department of Energy in 1980.

Mann, D. E. (continued)

"The Persistence of Distributive Politics," to be published in Policy Studies Journal in 1980.

Mead, W. J.

"Final Report: Competition and Performance in OCS Oil and Gas Lease Sales and Lease Development, 1954-1969," with P. E. Sorensen. Released as mimeograph report by the U.S. Geological Survey, March 1980.

"The Outer Continental Shelf Lands Act Amendments of 1978," with R. O. Jones and P. E. Sorensen, October 1979.

Shapiro, P.

"Final Report: A Study of the Temporal Cross-Sectional Stability of the Hedonic Structure of Prices in the Los Angeles Housing Market," with T. R. Smith. U.S. Department of Housing and Urban Development, September 1979.

"Final Report: Private Preference for Non-Market Goods and Services: A Conditional Demand Approach," with T.R. Smith. National Science Foundation, October 1979.

"A Decision Making and Search Model for Intraurban Migration," with T. R. Smith, W. A. V. Clark, and J. O. Huff. Geographic Analysis, Vol. 11 (1979), pp. 1-22.

Smith, T. R.

"Final Report: A Study of the Temporal Cross-Sectional Stability of the Hedonic Structure of Prices in the Los Angeles Housing Market," with P. Shapiro. U.S. Department of Housing and Urban Development, September 1979.

"Final Report: Private Preference for Non-Market Goods and Services: A Conditional Demand Approach," with P. Shapiro. National Science Foundation, October 1979.

"A Decision Making and Search Model for Intraurban Migration," with P. Shapiro, W. A. V. Clark, and J. O. Huff. Geographic Analysis, Vol. 11 (1979), pp. 1-22.

"Modelling Information Use in a Spatial Context," with W. A. V. Clark. Annals, Association of American Geographers, Vol. 69 (1979), pp. 575-588.

Sorensen, P. E.

"The Outer Continental Shelf Lands Act Amendments of 1978," with R. O. Jones and W. J. Mead, October 1979.

"Final Report: Competition and Performance in OCS Oil and Gas Lease Sales and Lease Development, 1954-1969," with W. J. Mead. Released as mimeograph report by U.S. Geological Survey, March 1980.

Votey, H. L.

"The Control of Drunken Driving Accidents in Norway: An Uncertainty Cross-Section - Time-Series Analysis." Transportøkonomisk Institutt, Oslo, October 1979.

"Socially Cost Effective Policy for the Control of Motoring Accidents in Norway." A paper presented at the 8th International Conference on Alcohol, Drugs, and Traffic Safety, Stockholm, Sweden, June 1980 (forthcoming).

Williams, R. L.

"Vital Record Data for Use in the Planning of Perinatal Health Services." Monograph. State of California, Department of Health Services, Sacramento, California, 1980.

"Final Report: Augmenting and Maintaining the MCH Statistical Data Base." State of California, Department of Health Services, Sacramento, California, June 1979.

"Variations in the Effectiveness of Obstetric and Newborn Care by Type of Hospital." In preparation for submission to journal.

"Newborn Risk Factors and the Costs of Neonatal Intensive Care," submitted for publication to the New England Journal of Medicine.

"Newborn Risk Factors Associated with Low Birth Weight." In preparation for submission to journal.

CONFERENCES

Public History Program

Fall Quarter: A special conference on the Media and History. (Brought together a number of professional film makers who are working in areas related to history.)

Spring Quarter: A special conference on the theme Business, Law, and Government, with representatives from law firms, title insurance companies, the federal government, and historical consulting agencies.

INVITED PAPERS

Agarwal, V.

"Foreign Students' Migration to the United States," (with Donald R. Winkler, University of Southern California). Paper presented at the Western Economic Association Meeting, San Diego, California, June 1980.

Mead, W. J.

"Competition and Performance in the OCS Oil and Gas Lease Sales and Lease Development," with P. E. Sorensen. Paper presented at the Western Economic Association Meeting, San Diego, California, June 1980.

"An Analysis of Bidder Response to Forest Service Timber Appraisals in the Pacific Northwest," with M. Schniepp and R. B. Watson. Paper presented at the Western Economic Association Meeting, San Diego, California, June 1980.

"The Effectiveness of Competition in the Supply of Region 6 Timber," with M. Schniepp and R. B. Watson. Paper presented at the Western Economic Association Meeting, San Diego, California, June 1980.

Schniepp, M.

"An Analysis of Bidder Response to Forest Service Timber Appraisals in the Pacific Northwest," with W. J. Mead and R. B. Watson. Paper presented at the Western Economic Association Meeting, San Diego, California, June 1980.

"The Effectiveness of Competition in the Supply of Region 6 Timber," with W. J. Mead and R. B. Watson. Paper presented at the Western Economics Association Meeting, San Diego, California, June 1980.

Sorensen, P. E.

"Competition and Performance in the OCS Oil and Gas Lease Sales and Lease Development," with W. J. Mead. Paper presented at the Western Economics Association Meeting, San Diego, California, June 1980.

Watson, R. B.

"An Analysis of Bidder Response to Forest Service Timber Appraisals in the Pacific Northwest," with W. J. Mead and R. B. Watson. Paper presented at the Western Economics Association Meeting, San Diego, California, June 1980.

Watson, R. B. (continued)

"The Effectiveness of Competition in the Supply of Region 6 Timber," with W. J. Mead and M. Schniepp. Paper presented at the Western Economics Association Meeting, San Diego, California, June 1980.

Williams, R. L.

"Analysis of Factors Associated with Costs of Neonatal Intensive Care," with C. S. Phibbs and R. H. Phibbs. Paper presented at the Western Society for Pediatric Research, Carmel, California, June 1980.

"Partitioning Declines in Perinatal Mortality Rates in California." Paper presented at the Western Society for Pediatric Research, Carmel, California, June 1980.

PAPERS COMPLETED

Votey, H. L.

"A Cross-Section - Time-Series Analysis of the Control of Felony Offenses and Drunken Driving: Sweden 1970-1977."

"The Effectiveness of Law Enforcements and Legal Sanctions in the Control of Drunken Driving: The Case of the Major Cities in Sweden."

"Constructing a Quasi-Controlled Environment."

"The Control of Crime in Sweden: An Econometric Analysis." Working Paper.

SEMINARS

Workshops in Econometrics and Sociometrics (Jointly with SPRI)

"Modelling the Transition Matrix of Intergenerational Occupational Mobility," Henry Theil, University of Chicago and the University of Southern California, January 1980.

"Progressivism for Middle Class Whites Only," J. Morgan Krousser, California Institute of Technology, February 1980.

"Multiple Levels of Analysis and Contextual Effect," William M. Mason, Center for Advanced Study in the Behavioral Sciences, Stanford University, February 1980.

"Informational Efficiency and Insider Trading: A Study of Rational Expectations in Experimental Markets," Charles R. Plott, California Institute of Technology, April 1980.

"Multidimensional Analysis of Cognitive Information," Reginald Gollidge, Department of Geography, UCSB, May 1980.

"Modelling Spatial Flows," Waldo Tobler, Department of Geography, UCSB, May 1980.

Urban Economics Program

"Economic Analysis in a Private Research Firm," Ned Dodson, General Research Corporation, March 1980.

"Economics and the Planning Process in Local Government," David Davis, City of Santa Barbara Planning Department, March 1980.

"Property Tax Assessment Procedures," Walter Alves and James Ginter, Santa Barbara County Assessor's Office, March 1980.

"Criminal Justice Laboratory County Project," Vern Cook, Ventura County Criminal Justice Planning Board, April 1980.

"Applied Economics in Local Government," Howard Rickard, Ventura County Resources Management Agency, April 1980.

"Energy Demand Forecasting," Bert Thulien, Pacific Gas and Electric Company, April 1980.

SEMINARS (continued)

Mann, D. E.

Paper on seismic safety in California at the Natural Hazards Conference, Boulder, Colorado, July 1979.

Two presentations of policy study on agricultural water conservation, Washington, D.C. and Denver, Colorado.

Co-chairperson, panel on government reorganization, American Society for Public Administration, April 1980.

Mead, W. J.

Western Economic Association Meetings, San Diego, California, June 1980.

Western Forest Economists Annual Meeting, April 1980.

Northwest Regional Science Association. Paper presented on Ecology Policy, May 1980.

Votey, H. L.

"A Rational Policy for the Control of Accidents Caused by Motorist Offenses," Brottsförebyggande Radet, Stockholm, Sweden, August 16, 1979.

"The Control of Drunken Driving Accidents in Norway: An Uncertainty Cross-Section - Time-Series Analysis, Transportøkonomisk Institutt, Oslo, Norway, August 22, 1979.

PUBLIC SERVICE

Mann, D. E.

Consultant, John Muir Institute, on water conservation study.

Editor, Western Political Quarterly, beginning July 1, 1980.

Mead, W. J.

Member, editorial boards for three energy or natural resources journals.

Consultant: 1) U.S. Department of Interior to State of Washington, Department of Ecology.
2) State of Alaska Legislature.

Williams, R. L.

Member, Data Subcommittee, Ventura/Santa Barbara Health Systems Agency, 1978-present.

Member, Perinatal Task Force, Ventura/Santa Barbara Health Systems Agency, 1979-present.

Recognition, David S. Saxon, "Health Care Evaluations: Focus on the Present and the Past." Report of the President of the University of California to the Regents. November 1979.

Consultant: 1) Los Angeles County Department of Health Services.
2) Santa Barbara County Health Services.

Wyner, A. J.

"Social Science Research and Seismic Safety Policy." Testimony before the Subcommittee on Science, Research and Technology, Committee on Science and Technology, U.S. House of Representatives, February 1980.

OTHER ACTIVITIES

Williams, R. L.

"Perinatal Mortality Study." Invited lecture to the Ventura-Santa Barbara Hospital Planning Committee, Ventura, CA, June 1979.

"A Description of the MCH Data Base." Invited lecture to the MCH Directors of Southern California. Los Angeles, CA, July 1979.

"Evaluation of Quality of Health Care from Perinatal Mortality." Invited lecture at the Neonatal Fellows Conference, Cardiovascular Research Institute, University of California, San Francisco, September 1979.

"Monitoring Perinatal Mortality in Los Angeles County." Invited lecture at the Public Affairs Meeting. National Foundation-March of Dimes, Los Angeles, CA, December 1979.

"A Review of MCH Data Resources." Invited lecture to the MCH Directors of Northern California. Oakland, CA, February 1980.

"Vital Records and Health Planning." Invited lecture to HSA/OSHPD Workgroup, San Francisco, CA, February 1980.

"Using Vital Record Data for Use in the Planning of Perinatal Health Service." Invited lecture to the Southern California HSA Workshop, Santa Ana, CA, April 1980.

"Using Vital Record Data for Use in the Planning of Perinatal Health Service." Invited lecture to the Northern California HSA Workshop, Berkeley, CA, April 1980.

"Release of Institution Specific Data on Perinatal Health Services in Orange County." Invited lecture to the Orange County Medical Association/Hospital Council of Southern California, Orange, CA, May 1980.

RESULTS OF SEED MONEY FUNDS FOR 1978/79 - C.O.R.I.

| <u>October 15 Competition</u> | <u>Agency</u> | <u>Title</u> | <u>Amount</u> | <u>Status</u> |
|---------------------------------|-----------------|--|---------------|---|
| 1. Anagnoson, Pol. Sci. (400) | -0- | | | |
| 2. Bielby/Friedland, Soc. (500) | NSF | "Central City Policy and Downtown Econ. Growth" | 195,491 | Rejected. Resubmitted thru SPRI. Pending. |
| 3. Keller, Geology (895) | WRC | "Effects of Large Organic Debris on Stream Channel Form ..." | 2,850 | Funded thru Geology |
| 4. Mead, Econ. (700) | USDI | "An Economic Analysis of the Calif Energy Leasing Experience..." | 52,288 | Rejected. |
| 5. Phillips, Econ. (500) | NSF | "Determining Optimal Sentence Length" | 31,158 | Rejected. |
| 6. Sonnino, History (1,500) | NEH | "Louis XIV: A Film Proposal" | 92,579 | Rejected. Resubmitted 4/1/80 in the amt of \$125,017. |
| 7. Sonstelie, Econ. (400) | HUD | "The Dynamics of Property Tax Incidence" | 45,000 | Informal - Rejected. |
| 8. T. Smith, Geog. (700) | NSF | "Testing a Model of Information Use in a Spatial Context" | 33,000 | Funded 3/1/80. |
| <u>January 15 Competition</u> | | | | |
| 1. Clayton, Geog. (400) | NASA | | 85,000 | Funded through Geog. |
| 2. Flacks, Soc. (400) | -0- | | | |
| 3. Hajic/Simonett, Geog (500) | Returned funds. | | | |
| 4. Holmes, Bio. (900) | NAT | "The Effects of Ingested Petrol. on the Survival and Reproduction of Seabirds" | 22,222 | Pending |
| 5. Hosford/Brown (600) | NIH | "Evaluation of a Stress Management Workshop" | 47,305 | Pending |

1978/79 Continued

| <u>Agency</u> | <u>Title</u> | <u>Amount</u> | <u>Status</u> |
|------------------------------------|---------------|---------------------|---|
| 6. Johnson/Fuller, History (600) | | | |
| 7. Mann/Shusterick, Pol Sci (800) | | | |
| 8. Mercer/Morgan, Econ (330) | | | |
| 9. Merk1/Fukui, Pol Sci(754) | 1) NEH | 143,127 | Funded for \$30,000 1st yr. |
| | 2) Volkswagen | 7,508 | Funded for \$5,547 |
| | 3) JEC | 35,640 | Funded for \$5,000 |
| 10. Nee, Soc (500) (On sabbatical) | -0- | | |
| 11. Weatherford, Pol Sci (400) | NSF | 226,000 (approx) | Has been typed in draft form. Will be submitted formally. |

1979/80 Funds

| | | | |
|---------------------------|--|--------|---|
| 1. Applebaum, Music (400) | Will be submitting by end of fiscal year. | | |
| 2. Strahler, Geog (1,600) | NSF | 25,000 | Funded for \$5,000 through Remote Sens- ing |
| 3. Clayton, Geog (1,000) | | | |
| 4. Votey, Econ (700) | Research in Stockholm on Drunken Driving, Sumr '80 | | |
| 5. Mann, Pol Sci (500) | WRC | 9,000 | Funded |

| <u>1979/80 Continued</u> | <u>Agency</u> | <u>Title</u> | <u>Amount</u> | <u>Status</u> |
|--------------------------|--|---|---------------|---------------|
| 6. Votey, Econ. (3,000) | Informally submitted to various agencies | "Focus on Mexico and the U.S: A Cooperative Business-Economics Training and Research Program" | 2,137,693 | Pending |

PERSONNEL ENGAGED IN RESEARCH

- a) Faculty:
- Agarwal, Vinod, Economics
 - Borjas, George, Economics
 - Cotton, John W., Education
 - Deacon, Robert, Economics
 - Fuller, Thomas, History
 - Johnson, G. Wesley, History
 - Mann, Dean, Political Science
 - Mead, Walter J., Economics
 - Morgan, W. Douglas, Economics
 - Phillips, Llad, Economics
 - Shapiro, Perry, Economics
 - Smith, Terence R., Geography
 - Sonstelie, Jon, Economics
 - Votey, Harold L., Jr., Economics
 - Wyner, Alan, J., Political Science
- b) Professional Researchers:
- Sorensen, Philip E., Research Economist III
 - Williams, Ronald L., Associate Research Economist III
- c) Graduate Students:
- Andres, Tom
 - Banaga, Abdul
 - Birch, Dean
 - Bookspan, Rochelle
 - Boyce, Paul
 - Briggs, Barbara
 - Conard, Rebecca
 - Cunningham, James
 - Dennis, George
 - Douglass, John
 - Elliot, Janet
 - Fitzgerald, Donald
 - Flores, Henry
 - Gale, Nathan
 - Graves, Greg
 - Houtchens, Alan
 - Huang, Wei-Chiao
 - Huang, Wei-Jang
 - Hugie, Robert
 - Kahn, Ava
 - Katsapis, Greg
 - Kempler, Roger
 - King, Gregory
 - Lang, Kathryn
 - Lappen, Michael

g) Urban Economic Students:

Armstrong, Mark
Doane, Mark
Garma, Joseph
Gin, Alan
Gray, Thomas
Harshbarger, William
Mackey, Tony
McCay, Malcolm
Myung, Richard
Ohanian, Lee
Sgroi, Paul
Stadem, P.I. Norman
Stockwell, Mark

h) Participation from Other Campuses:

Clark, William A.V., Department of Geography, UCLA
Huff, James O., Department of Geography, UCLA
Winkler, Donald L., School of Public Administration, USC

- c) Graduate Students continued:
- Leonard, John
 - Lufkin, Peter
 - Marino, Jill
 - Mathews, James
 - Miller, Karen
 - Nielson, Linda
 - Nye, Ron
 - O'Connor, Linda
 - Olson, Gayle
 - Palmer, Michael
 - Payne, Stephen
 - Phibbs, Ciaran
 - Ray, Subhash
 - Robbins, James
 - Ryder, Judith
 - Simon, Sally
 - Smith, Karen
 - Smith, Zachary
 - Stewart, Brad
 - Svenson, Arthur
 - Warden, Carol
 - Woodcock, Curtis
- d) Postgraduate Research I:
- Moseidjord, Asbjorn
 - Muraoka, Dennis D.
 - Schniepp, Mark P.
 - Watson, Richard B.
- e) Staff Research Associate:
- Chen, Peter Ming-Shih
 - Franklin, Janet
 - Mason, William
- f) Undergraduate Students:
- Burkhart, Mary
 - Hunter, Kevin
 - Lehman, Paul
 - Marinko, John