

**ANNUAL REPORT  
1988-1989**

**Harold L. Votey, Jr.  
Director**

**Community and Organization Research Institute  
University of California, Santa Barbara**

**October 1989**

## THE DIRECTOR'S STATEMENT

### Goals and Purposes for Which CORI Was Established

CORI's original charge has been to "serve as a major resource for basic research in the social sciences." Further, "faculty participation in interdisciplinary research" was to be encouraged. This has been interpreted over time to mean that an environment should be created in CORI that encourages, facilitates and administers research activities in the social, behavioral and policy sciences for members of the UCSB community working both within and across disciplines.

What we expect to be able to do is not only to help to increase the volume of social and behavioral science and public policy research, but also to do those things that lead to improvements in the quality of the research that is done. This requires providing the sorts of services reaching the campus and centers of learning elsewhere that keep faculty aware of potential research opportunities and providing the incentives and support that are needed to facilitate the generation of sound research proposals and the prompt completion of research that has been granted funding. Even among researchers who are eminently successful in generating fundable proposals, proposal writing is a tiring and irksome process. Real effort is needed to stimulate as well as encourage faculty to repeatedly put their ideas to the test.

### Serving the Academic Needs of the Community

To serve the instructional and research mission of the campus, a number of centers have been established within CORI for groups of faculty with a common research focus. Among these is the Center for Cognitive Science Research that began with faculty in Educational Psychology, Geography, and Psychology, and presently involves in one way or another more than 10 disciplines. This group is the research arm of an academic program in cognitive science that involves faculty and graduate students in 8 disciplines. Many of the graduate students serve as researchers on grants generated by the research group.

A major activity of this group that stimulates research as well as advances academic interests is an ongoing year long colloquium series, involving well established researchers from across the country. A full-fledged academic program has evolved out of this research activity in which graduate students can develop an emphasis in Ph.D. degrees in one of the disciplines participating.

A similar activity has been ongoing now for three years in the newly formed Center for Labor Analysis. This group is composed almost entirely of economists with a common research focus. Their colloquium series attracts roughly 20 faculty and/or graduate students to each session. Graduate students are helped to generate topics for dissertations from exposure to these sessions. Additionally, many of these students are involved as research assistants on faculty projects or are teaching assistants in courses relating to the topic material.

A new activity established this year has been the Econometrics and Macroeconomics Seminar Series under the direction of Doug Steigerwald, a new econometrician in the Department of Economics. Members of this group are already active in proposal writing and in generating research for publication.

On research projects not related to either of these groups, activities are invariably basic research with research and/or policy objectives appropriate to individual disciplines. More often than not, graduate or undergraduate students are involved with all phases of the research, from proposal writing to final reports, so that students get excellent training in all aspects of research.

### **Response to Needs of the Public at Local, State, and National Levels**

The most obvious link between public needs and research conducted within CORI relates to those proposals with an obvious public policy emphasis. An excellent example of this has been the study, recently compiled, directed by Professor Dan Botkin of Environmental Studies and Biology, on the effects on Mono Lake of overdrafting the basin's water sources by the Los Angeles Department of Water and Power. This was a study funded by the Assembly of the California Legislature. CORI filled the role of grants management. A number of grants were awarded dealing with the geology, hydrology, air quality, biology and ecology of Mono Lake. The blue ribbon panel monitoring these studies developed a final report that it appears is having a major influence on legislation and judicial activity at the state and national levels in establishing policy for the waters of the Mono Lake basin.

A second example is the work of the Health Data Research Facility, directed by Ron Williams. That group has generated a methodology for evaluating hospital effectiveness in reducing perinatal mortality that has attracted national interest. Standards have been established that ultimately have met with the approval of local, state, and national health authorities that will help hospitals in formulating policy to improve their performance. This work has received wide attention in medical journals and the popular press as the results of Dr. Williams' studies have reached the public.

A projects that will be conducted in the coming fiscal year with expected significant impact on public measures relating to the forest environment of the Pacific Northwest is the research of Walter Mead on the costs and benefits of preserving old growth stands of timber for the Northern Spotted Owl. This study will be supported by organizations on both sides of the issue of whether old growth timber harvesting should be controlled to preserve the owl's habitat. At issue are jobs in the timber industry and the survival of the owl.

### **Plans for the Future**

Plans for the future in CORI are a matter of searching for and taking advantage of new research opportunities. The main emphasis will continue to remain with such groups as the Center for Cognitive Science Research, the Health Data Research Facility, and the Center for Labor Analysis. At the same time, we will always be alert to opportunities to expand into new areas. The Mono Lake study was an example of taking advantage of such an opportunity to conduct

public policy research. Other areas that have the potential for new research advances in which CORI investigators are working relate to the economics and politics of the Pacific Rim, natural resource management, including timber, water and energy use, and the control of crime.

The objective is to maintain CORI's long run record of assisting faculty in the social and behavioral sciences. Plans for achieving this include meeting with faculty in each of the social science departments, offering encouragement and incentives to campus members who have good ideas about the generation of new research projects, and helping to clear away obstacles to the development of timely research proposals.

## B. Summary of Highlights

The Health Data Research Facility, under the direction of Ron Williams, released a report in August of 1988 analyzing perinatal death rate data in California. The report, entitled "1981-1985 Maternal and Child Health Data Base", is designed to compare the mortality rate for individual hospitals to the statewide average by "standardizing" or adjusting for factors that influence the perinatal death rate. In a statement released at the time of the report, California State Health Director Kenneth W. Kizer said "The purpose of this data is to give hospitals and health professionals facts that can be used to improve care for pregnant women and newborns." Dr. Kizer recognized the significance of Dr. Williams' research, stating "The extraordinary feature of this information is the opportunity it gives hospitals to compare their data with the state average."

An Econometrics Seminar Series, organized last year by Douglas Steigerwald as a forum for research in econometrics and macroeconometrics, has led to CORI's participation in these seminars for the coming year. Professor Steigerwald obtained outside support for this activity which has been matched by campus funds. These seminars will provide a means for faculty and graduate students to hear about current studies pursued by prominent members of these fields from outside UC Santa Barbara, as well as provide for heightening visibility and recognition of on-campus research.

## C. Other Academic Projects Seminars/Symposia/Conferences

### Cognitive Science Colloquium Series 1988/89

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- September 9, 1988 "The Role of Cognitive Maps in Spatial Decision Making"  
Tommy Garling, Department of Psychology, University of Umea
- October 14, 1988 "Cognitive Correlates of Programming Skill Acquisition"  
Ms. Valerie Shute, Brooks Air Force Base, San Antonio Texas
- November 18, 1988 "Training of Complex Skills: Psychology Principles and Practicalities"  
Alan Lesgold, Learning Research and Development Center, University of Pittsburgh
- February 10, 1989 "Magic with Illusory Conjunctions and Neon Color"  
William Prinzmetal, Princeton University and UC Santa Barbara
- February 17, 1989 "Human Tutorial Dialogue, Implications for Interface Design"  
Barbara Fox, Institute for Cognitive Science, University of Colorado
- February 24, 1989 "The Cognitive and Perceptual Representation of Musical Structures"  
Ed Carterette, Department of Psychology, UC Los Angeles
- March 22, 1989 "Word Problem Solution Processes"  
Erik De Corte, Center for Instructional Psychology
- April 14, 1989 "Learning Simple Arithmetic Procedures"  
Garu Cottrell, Institute for Cognitive Science, UC San Diego
- May 13, 1989 "Hands On Workshop"  
Walter Schneider, Learning and Research Development, University of Pittsburgh
- May 19, 1989 "Perceptual Recovery of 3-D Shape For Optimal Motion"  
Jack Loomis, Department of Psychology, UCSB

**Labor Economics Workshops 1988/1989**

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- October 3, 1988 "Immigrant Participation in the Welfare System"  
Steve Trejo, UCSB
- October 10, 1988 "Efficiency Wages: Theory and Evidence"  
Keven Murphy, University of Chicago
- October 17, 1988 "A Test of the Multimarket Amenities Hypothesis"  
Phil Graves, University of Colorado
- October 24, 1988 "Sacrifice and Stigma"  
Larry Iannacone, University of Santa Clara
- November 7, 1988 "Supply and Demand for Public School Teachers"  
Janet Neelin, UC Los Angeles
- November 14, 1988 "The Pension Inducement to Retire: An Option Value  
Analysis"  
David Wise, UCSB
- December 5, 1988 "Sectoral and Establishment Level Disturbances and  
Unemployment in U.S. Manufacturing"  
Steve Davis, Hoover Institute, Univ. of Chicago
- January 9, 1989 "Strikes, Wages, and Private Information"  
Sheena McConnel, London School of Economics
- January 23, 1989 "Job Search in More Than One Labor Market"  
Bruce Fallick, UC Los Angeles
- February 6, 1989 "Immigration and Wages: Labor Market Adjustment to  
Increased Immigration"  
Bob LaLonde, University of Chicago
- February 17, 1989 "Job Tenure Distributions of Men and Women"  
Manuelita Ureta, Claremont Graduate School
- February 22, 1989 "Cartel Formation and Adverse Selection"  
David Sunding, UC Berkeley
- February 27, 1989 "Plant Closings, Advance Notice, and Private  
Contractual Failure"  
Donald Deere, UC Santa Barbara

March 6, 1989

"The Impact of Job Placement on Time to Recidivate"  
Llad Phillips, UC Santa Barbara

March 17, 1989

"Intergenerational Altruism and the Wealth of Nations"  
Robert Tamara, University of Iowa



ANNUAL REPORT - OFFICE OF RESEARCH - APPENDIX A

CORE FUNDING FOR: CORI	NAME OF INSTITUTE
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ACADEMIC SALARIES:	FTE	AMOUNT
DIRECTOR	.40	25,800
STIPEND		3,600
OTHER	.10	4,040
STAFF SALARIES:	1.50	42,858
GENERAL ASSISTANCE:		9,344
EMPLOYEE BENEFITS:		
SUPPLIES & EXPENSE:		8,996
OTHER		15,000
TOTAL CORE BUDGET 1988/89:		109,638
TOTAL CORE FTE 1988/89:	2.00	
RECHARGE ACCOUNT:		
GA		
S&E		
BENEFITS		
OTHER		
TOTAL RECHARGE:		

PLEASE NOTE: This is permanent core funding only and should include all permanent augmentations (ranges, merits, etc.) to your budget as of June 30, 1989.

Please do not include any temporary funds.

ANNUAL REPORT - OFFICE OF RESEARCH - APPENDIX B - INTRAMURAL FUNDS

**INTRAMURAL RESEARCH ACTIVITY FOR: COMMUNITY AND ORGANIZATION RESEARCH INSITUTE**

PRINCIPAL INVESTIGATOR	AMOUNT	SOURCE OF FUNDS
Fisher, Sethard	\$1,137	Academic Research Minigrant
Goldman, Susan	\$6,300	ORDA
Sengupta, Jati	\$2,500	ORDA

**ANNUAL REPORT - OFFICE OF RESEARCH -EXTRAMURAL GIFTS**

**EXTRAMURAL RESEARCH ACTIVITY FOR: COMMUNITY AND ORGANIZATION RESEARCH INSITUTE**

<b>PRINCIPAL INVESTIGATOR</b>	<b>AMOUNT</b>	<b>SOURCE OF FUNDS</b>
Kanayama, Yutaka	\$30,000	NTT Corporation
Kanayama, Yutaka	\$27,006.75	Sogo Corporation

ANNUAL REPORT - OFFICE OF RESEARCH - APPENDIX C: PERSONNEL

STAFFING STATISTICS FOR: COMMUNITY AND ORGANIZATION RESEARCH INSTITUTE

ACADEMIC STAFF	ACADEMIC TITLE
Anselin, Luc	Associate Research II
Balakrishnan, Gerald	Research Assistant
Borjas, George	Research V o/s
Bratsburg, Bern	Postgraduate Researcher
Bronars, Stephen	Assistant Research IV
Camarata, Mary	Associate Specialist
Caswell, Margriet	Assistant Research IV
Cicinelli, Joseph	Research Assistant
Commanor, William	Research VIII
Damkowitch, Jim	Research Assistant
Dimanlig, Aarne	Research Assistant
Epstein, Laura	Research Assistant
Fikes, Thomas	Research Assistant
Fischer, Susan	Research Assistant
Flury, Andreas	Postgraduate Researcher
Frye, Phyllis	Postgraduate Researcher
Gale, Nathan	Research I
Ganderton, Phillip	Research Assistant
Gao, Peng	Postgraduate Researcher
Golledge, Reginald	Research a/s
Hickey, Daniel	Research Assistant
Ibigbulan, Basil	Research Assistant
Jewell, Robert T.	Research Assistant
Junso, Michelle	Reader
Kanayama, Yutaka	Research III
Klatzky, Roberta	Research IV o/s
Law, David	Research Assistant
Lombard, Kristi	Research Assistant
Loomis, Jack	Research I
Mann, Dean	Research VII
Matula, Dan	Research Assistant
McCloskey, Brian	Research Assistant
Mead, Walter	Research VIII
Menon, Sudaker	Postgraduate Researcher
Mitchell, Stephen	Research Assistant
Morrin, Keven	Research Assistant
Pellegrino, James	Research V
Potter, David	Research Assistant
Reed, Catherine	Research Assistant
Rey, Sergio	Research Assistant
Ruggles, Amy	Research Assistant
Rust, Frank	Associate Specialist I

ACADEMIC STAFF	ACADEMIC TITLE
Rust, Kam	Associate Specialist I
Schneipp, Mark	Associate Research
Strandlund, John	Research Assistant
Votey, Harold L., Jr.	Director
Waller, Shannon	Student Assistant
Weatherford, M. Stephen	Research III
Williams, Ron	Research II
Wilson, Scott	Research Assistant
Yager, Edward	Research Assistant

ACADEMIC STAFF FROM OTHER INSTITUTIONS: NONE

ADMINISTRATIVE STAFF	PAYROLL TITLE	STUDENT	STAFF	CAREER	CASUAL
Chen, Peter	Programmer Analyst III		x	x	
Cole, Kimberly	Student Assistant I	x			x
Cornet, Jeanie	Admin. Assistant III Sup.		x	x	
Dandona, Joan	Sr. Word Proc. Specialist		x	x	
Davidson, Stephanie	Principal Clerk		x	x	
Hanson, Bee	Sr. Word Proc. Specialist		x		x
McIntosh, June	Sr. Clerk Typist Clerk B		x		x
Marinko, John	Programmer Analyst II		x	x	
McDaniel, Irene	Principal Clerk		x	x	
Perlich, Laura	--- Assistant I	x			x
Yang, Xlo	Student Assistant II	x			x