
UNIVERSITY OF WASHINGTON



CENTER FOR STUDIES IN DEMOGRAPHY AND ECOLOGY

1993–1996

**1993-96
Report of the
Center for Studies in
Demography and Ecology**



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DIRECTOR'S STATEMENT

by Avery M. Guest, Director



As I write this, the Center for Studies in Demography and Ecology (CSDE) is nearing its 50th birthday. Started in 1947 by Calvin F. Schmid, it has developed greatly over the years, becoming one of the major U.S. population centers.

Many of us with CSDE ties are excited about the development this year of our official logo, on the cover of this report. It was designed by Marvin Oliver, a Seattle-based Native American artist. The logo shows the male and female salmon, two staples of our region, in the endless cycle of life — giving birth, migrating, and dying.

I am now completing my first year as CSDE director, following the illustrious leadership from 1987 to 1995 of Charles Hirschman. He came to the University of Washington at a low ebb in CSDE's history, and rebuilt it with great enthusiasm, energy, and vision. We are all indebted greatly to Hirschman.

The Hirschman achievements were tangible and noticeable. Under his leadership, we obtained three major grants, from NICHD, and the Hewlett and Mellon Foundations, to support graduate training and research. In addition, he helped create an impressive local computer network, an excellent research library, and an outstanding seminar series. Hirschman was also crucial in developing interdisciplinary ties in population studies, especially among various departments, including anthropology, economics, geography, social work, sociology, and statistics.

Another major development, which I applaud, was a shift toward more scholarly concern with developing societies, especially those in Asia. Dramatic changes in fertility, the family, and mortality have been occurring during the past two decades in Asia, and there will be many future dramatic events in its vital revolution. Our Asian research is a natural outgrowth of other Pacific Northwest ties, due to geographical proximity, trade, and our region's ethnic-origin composition. Our Asian demographic ties are especially facilitated by the Hewlett and Mellon grants, which are oriented to developing societies. Overall, CSDE is poised to become the major U.S. center of Asian population studies.

We currently have a number of exciting research projects that reflect our Asian interests and ties. Hirschman is currently using census micro-level data files to analyze the fertility transitions in various Southeast Asian societies. In addition, he has been involved in a survey study of the changing nature of the Vietnamese family. Bill Lavelly has directed the China in Time and Space (CITAS) project which is dedicated to compiling, documenting, and distributing electronic databases on Chinese society. A major thrust of CITAS activities is producing an integrated county-level data set of socioeconomic and demographic data on China, both historical and contemporary. The data will have a major facilitating effect on scholarship about China.

Even though CSDE has developed a strong reputation for its Asian studies, we continue to excel in a variety of other scholarly topics. In particular, I should mention the large number of studies on family dynamics, representing a variety of academic disciplines. Some of our liveliest CSDE seminars at noon on Friday reflect this strong interest.

Meanwhile, CSDE prepares to celebrate its 50th anniversary in 1997 by holding a spring symposium on international migrants in the United States. The symposium is partly a reflection of the growing interest in the upsurge of foreign migrants to the United States, with the Pacific Northwest being a major site of residential location. It also reflects the interests in ethnicity and migration of Schmid, CSDE's founder. The symposium will be supported by funds from the recently established Helen and Calvin Schmid Fund.

I will serve one more year as CSDE director. We are searching for a new director who will continue and expand the important developments of the past two years. Our goal is to become one of the very top centers in the United States, a real possibility given the high levels of support by the administration of the University of Washington and the enthusiasm of our faculty affiliates.

HISTORY OF THE CENTER

Demography and human ecology as disciplines have a long, distinguished history at the University of Washington. In the 1920's, Roderick McKenzie, one of the founders of sociological human ecology, spent 10 highly productive years at the University of Washington. William F. Ogburn, another distinguished population researcher, also served for a brief period on the faculty during this era.

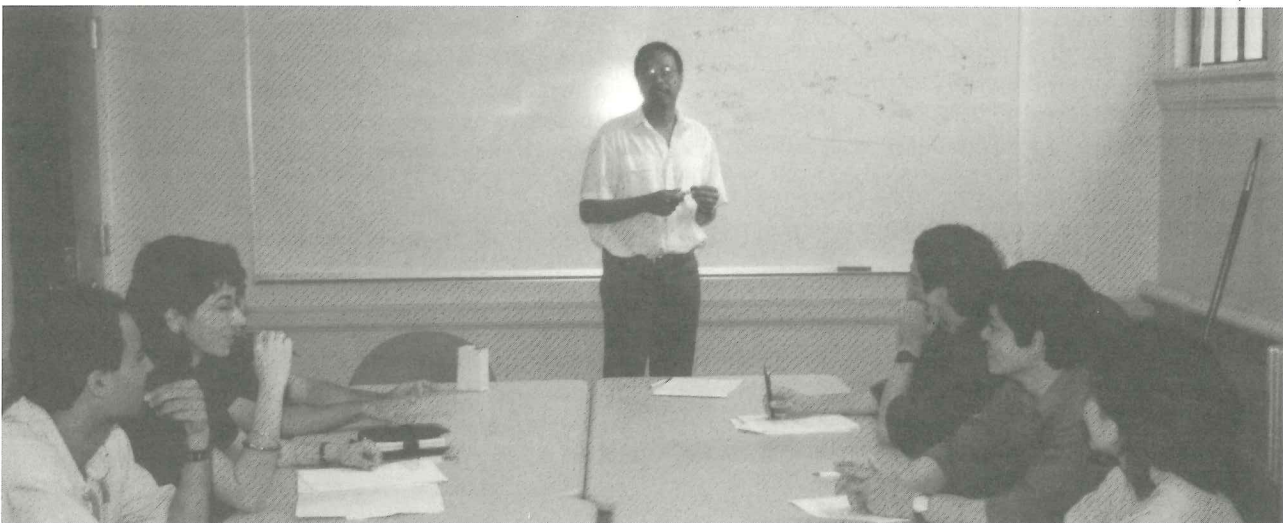
In 1947, Calvin Schmid and George Lundberg organized the Office of Population Research at the University of Washington. Under Schmid's direction, the Office initiated a program of research with a heavy focus on demographic and ecological phenomena of the Seattle metropolitan area and Washington state. During this period, the program established itself as a major producer of Ph.D.'s with a specialization in demography and human ecology, a pattern that has continued.

In the late 1960's, a new era of demographic studies began at the University of Washington when additional faculty were recruited and the population program was renamed the Center for Studies in Demography and Ecology (CSDE). Under the leadership of Stanley Lieberman (1967-72) and Samuel Preston (1972-77), CSDE became one of the leading academic population centers in the U.S. This period was marked by a shift to research on national and international demographic questions. The growth and development of CSDE were supported by federal funding for demographic research and training.

Population studies at the University of Washington were significantly enhanced in 1987 by the appointment of Charles Hirschman as director and professor of sociology. Hirschman, who served until 1995, developed base funding for demographic research and training by obtaining a NICHD graduate training grant, a grant from the Hewlett Foundation to support graduate students in demography from developing countries, and a Mellon Foundation grant to support postdoctoral training and research that integrates demography and area studies. CSDE continues to be supported by these sources.

In the past 10 years, CSDE has expanded greatly as an interdisciplinary center, moving beyond its traditional base in the Department of Sociology. During this period, the University made a number of faculty appointments of scholars with strong interests in population issues. Now, CSDE has 29 faculty affiliates drawn from a variety of departments, including anthropology, economics, geography, social work, and statistics.

Of equal importance has been university recognition of CSDE as a center of exceptional strength in the social sciences. The University has especially targeted faculty lines for scholars with demographic interests. The university has also supported CSDE with funding for staff, graduate student research assistantships, and direct contributions for renovation, computing equipment, and other activities. There is a shared goal by CSDE faculty and the university administration to establish CSDE as a national and international center for excellence in demographic training and research.



CURRENT RESEARCH PROJECTS

Paul Burstein

The Development of Public Policies Affecting the Relationship Between Home and Work. This project considers the development since the end of World War II of federal policies proposing to regulate the relationship between home and work. Federal policies deal with the issue of how organizations of work, particularly employers and unions, are to treat individuals defined in terms of their status in the family, including relationships defined by dependency (children), marital status, and gender. The project focuses on three aspects of policy development: the movement of issues on and off the congressional agenda, the development of alternative proposals, and the enactment of legislation. Each is seen as the result of a somewhat different causal process, but the factors affecting policy development include the concerns of experts, media coverage, interest group and social movement activity, and public opinion. The data are based on the content analysis of policy proposals; they have been gathered from government documents, reports in newspapers and specialized journals, and public opinion polls.

Robert D. Crutchfield

My current research focuses on the relationship between employment and crime. In particular I am interested in how an individual's position in the labor force affects participation in common crimes (popularly referred to as street crime). The thesis of the work is that those in marginal employment positions are free to engage in lifestyles that may become criminogenic conformity. That is, they have less to lose by engaging in marginal lifestyles.

My work in this area is of two types. First, analyses which are studies of aggregates. I am studying urban crime rates and how they vary depending on the distribution of people on several employment variables; the proportion of people who are unemployed and the proportion who are employed in "marginal" jobs. Second, analyses which focus on Surveys of Youth to examine how the job circumstances of individuals effect their criminality. I am also examining the effects of local labor market characteristics on individual criminality as well.

Mary Gillmore



Health Habits Project. With funding from the National Institute on Alcoholism and Alcohol Abuse, I am undertaking a study that examines the link between drinking and sexual risk taking. With daily data collected over a period of eight weeks, we will have information on the timing and ordering of these

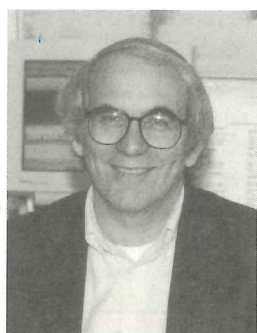
events. This will permit us conclusions about whether a relationship exists between substance use and sexual risk taking when studied at the event level. Other researchers on the project and I will also be examining hypotheses regarding the possibility that such a relationship may be due to some third variable, such as a propensity toward risk taking, rather than a direct link between substance use and sexual risk taking. These relationships are being examined in four populations: adult heterosexual men and women who are clients of STD clinics (or have similar profiles), teenage heterosexual young men and women who are clients of STD clinics (or have similar profiles), gay men, and sexually active college undergraduates.

Young Women's Health Study. With funding from the National Institute on Drug Abuse, other researchers and I are following two cohorts of young women, sampled locally, who became pre-maritally pregnant and gave birth as teenagers under age 18. We are charting the natural history of drug use in these samples, finding that while pre-pregnancy substance use rates were higher than those of the general adolescent population, substance used dropped dramatically during pregnancy, and then rose steadily during the first year post-partum. Drug use during pregnancy was predicted by perceived harm of substance use, best friend's use, boyfriend's use, and school status, after taking into account the effects of pre-pregnancy substance use.

Children's Health Awareness Study. With funding from the National Institute on Drug Abuse (Elizabeth Wells, P.I.), I am studying four cohorts of young people who were sampled from a local urban school district when in grades 3 - 6. We survey the youngsters every year regarding their beliefs and knowledge about AIDS, and their attitudes, perceived norms, and intentions to use substances such as cigarettes,

alcohol, and marijuana. Results show that children at all grade levels have a high level of recognition of the primary routes of HIV transmission; however, children who knew these routes also had many misconceptions about the mechanisms involved in acquiring HIV through these routes and about the ways HIV is not transmitted. Other results indicate that although younger children are uniformly very negative about using substances, older children see greater benefits and fewer costs to using substances than do younger children. We believe that these changes in attitudes precede substance use among adolescents.

Charles Hirschman



The Vietnam Longitudinal Survey. In attempt to measure the transition from socialism to capitalism in Vietnam and its consequences on family structure and demographic processes, I am engaged in a collaborative project with colleagues in the Institute of Sociology in Hanoi. This project is a

longitudinal household survey in Nam Ha and Ninh Binh provinces (formerly Ha Nam Ninh province), about 60 kilometers south of Hanoi. The project began in the Fall of 1995 with a baseline survey of 1,855 households and more than 4,300 persons in 10 urban and rural communes. The baseline survey contained extensive questions on family economic enterprises in addition to a broad survey of familial, socioeconomic, and demographic characteristics of all adult persons in the sampled households. The plan is to reinterview all respondents annually for the next five years to measure changes in family economic activities and associated demographic change.

Vietnam is in the midst of far-reaching socioeconomic and demographic transformations that were postponed by a national revolution and an international war that lasted from 1945 to 1975, and then by a stagnant economy for another decade. In the mid-1980s, Vietnam began a path of economic liberalization with the objective of expanding economic growth through the encouragement of private market forces. The Vietnam Longitudinal Survey is an attempt to measure these economic and social

changes and to understand their determinants and consequences.

This current project is a continuation of Hirschman's collaboration with Vietnamese sociologists and demographers which included an earlier sample survey conducted in 1991. The fieldwork for the 1995 Vietnam Longitudinal Survey was supervised by Vu Manh Loi and Nguyen Huu Minh, two CSDE graduate students from Vietnam.

Lucy Jarosz

I am currently working on a regional comparative study of the changing divisions of labor within the globalized fruit industry in the U.S., South Africa, and France. This study attempts to answer the question of how the global production, marketing and distribution of fresh fruit affects the local organization and experience of agro-industrial labor in three different regions. Through a combination of archival and ethnographic fieldwork, this project aims to contribute to our understanding of the globalization of food production and how it shapes the regional geography and local labor relations markets in particular places. I am particularly interested in understanding the changing nature of working conditions for growers and farm workers in an agro-industry that remains very labor and capital intensive.

William Lavelly

Infant and Child Mortality in China. Infant and child mortality is a sensitive indicator of social well-being, and an important component of mortality overall. China's infant and child mortality are of particular interest because of China's unusual public health and birth planning policies, and because of the rise in the past decade in sex differentials in mortality and the phenomenon of "missing girls." This study seeks to gain a better understanding of the levels, trends, and causes of infant and child mortality in China, using a combination of intensive local investigations and large-scale censuses and surveys.

The first stage of field work for the study was conducted in 1993 and 1994 in a mainly Han rural county of Yunnan Province in southwest China. University of Washington and Yunnan University researchers conducted a case-control survey in which the "cases" were infant death household, and the

"controls" were households that had a birth which survived the first year of life. The survey collected data on a variety of social characteristics of the parents, as well as on the household relationships, mother's status, childrearing practices, maternal health knowledge, and interaction with the public health and medical establishment. These data will help to illuminate the way in which parental attitudes, roles, and abilities influence infant survival. A second stage of field work, to be conducted in 1996 and 1997, will do a parallel investigation in a minority community, with the goal of understanding cultural influences on infant survival.

The study will also examine infant and child survivorship at the macro level, utilizing census data for over 2500 Chinese county-level units. An unprecedented data set on mortality and the socioeconomic characteristics of counties is being assembled in a Geographic Information System format. These data will permit an assessment of the correlates of infant and child mortality at local and regional scales, and, in particular, the incidence of sex differential mortality.

The study has received the support of the Henry Luce Foundation, the Fogarty International Center of the National Institutes of Health, the Committee on Scholarly Communication with China, and the Royalty Research Fund of the University of Washington.

Victoria A. Lawson

My current research brings together an interdisciplinary team of investigators including myself at the University of Washington, Andrew Morrison at Tulane University, Richard Bilsborrow at the University of North Carolina, and Licenciada Lucia Ruiz at CIUDAD, a research institute in Quito, Ecuador. This NSF project was funded last year at \$299,000 total with \$102,700 coming to the University of Washington. The central objectives of this NSF funded research are to examine the effects of household structure and power relations on both the determinants of gendered migration, and on the outcomes of these migrations in destination labor markets. These objectives will be realized through extensive field work in Quito, Ecuador over the next three summers (1996-1998). This field work consists of three stages. The first stage involves extensive surveys of migrant and non-migrant households in destination cities to reveal the relationships between

intra-household dynamics and migration and to understand migrants' experiences in destinations. The second stage involves household surveys in main origin areas to compare household structures and dynamics and labor market histories of migrants and non-migrants. The third stage involves in-depth case histories for migrant women in destination areas to complement and extend the survey findings through detailed examinations of the connections between life, household, and work histories.



Donna Leonetti

Nisei Aging Project. This is a ten-year follow-up study of the 222 persons (ages 50-75) first interviewed in the initial Nisei Aging Project which was supported by the NIMH and completed in 1982. This prospective study asks whether social network (ethnic group, kinship,

neighborhood) has an effect on longevity and success in aging as defined by mental and physical health and social functioning. The status of all the original sample was ascertained, including 29 deaths.

Japanese American Community Diabetes Study. Supported by NIH for 11 years, this longitudinal study analyzes the development of diabetes and cardiovascular disease in Japanese Americans. A major component of this project is the study of ethnicity in relation to disease. Social context is studied in terms of ethnic group friend and work contacts, family relationships, ethnic community social and business involvement. This project is under-taken in collaboration with Dr. W.Y. Fujimoto of the Department of Medicine/Metabolism at the University of Washington.

Japanese American Community Population Study. Individual vital records of all births, deaths, and marriages within the Seattle-King County Japanese American population between 1907 and 1975 were collected. Analysis of fertility and mortality patterns using U.S. census population numbers by age and gender have been completed. Analysis of out marriage to non-Japanese in relation to fertility is currently being conducted. Fertility of 365 couples in marriages between Japanese American and non-Japanese persons is being compared to that in a similar number of

marriage date-matched marriages between two Japanese American persons.

Katharyne Mitchell

Contemporary Chinese Diasporas and the Spatial Politics of Chinatown. This research is the first component of a broader comparative study investigating the impact of a major contemporary Chinese Diaspora of wealthy emigrants from Hong Kong on the social and spatial structures of overseas Chinese communities. The study has three objectives. First, to develop a conceptualization of how the transitional flows of people and capital from Hong Kong have affected the structure of the Chinese community of Vancouver, B.C.—both in its social and economic organization and in the literal rebuilding of Chinatown. Second, to conduct an empirical analysis of the links between the transitional flows of people and capital from Hong Kong, the contemporary redevelopment of Chinatown, and the changes in the political leadership and social structure of Vancouver's voluntary associations, particularly the Vancouver Chinese Cultural Center. Third, to generate a research proposal, to be submitted to the National Science Foundation, which will extend, through comparison, the conceptual framework initiated in the Vancouver study. This comparative work will be conducted in Southeast Asia and Australia.

Richard Morrill

Currently, I am finishing up early work on my data set of the migration histories of a sample of people born in eastern Washington, 1944-1946. Important aspects related to the dispersion and return of people, and of differences between men and women in migration patterns. Related to this, I am working with records of those in the NLSY who have ever lived in the Pacific Northwest, again with reference to migration behavior, and residence in smaller or larger places at different stages in the life cycle. Also related, I will begin working on a proposal to conduct a survey of migration histories, as I am dissatisfied with all extant data sets.

In connection with my interests in the geography of inequality, I am also beginning work on patterns of variation in the increase in inequality among US households, 1970 to 1990.



Diane Morrison

The Children's Health Awareness Project seeks to describe children's understanding of AIDS, substance use, and sexual behavior, to chart developmental changes in their cognitions about these behaviors, and to examine correlates of early risk-taking behavior. The

sample includes children enrolled when they were in grades 3 through 6, whom we have now followed for 6 years.

The Young Women's Health Study follows two community samples of 250 adolescents who have been re-interviewed every six months since pregnancy. The early cohort are now parents of school children, the later cohort are now parents of toddlers. We are examining the effects of substance use on parenting and on child development outcomes, charted from the child's birth.

Safer Sex Groups for Women is testing the efficacy of two multi-session interventions for women at high risk for STDs and AIDS. Women are enrolled in 16 weekly sessions of either a general health and social support intervention or an intervention based on the relapse prevention model. We will follow these women to examine the effects of the interventions 4 and 8 months later, as well as immediately after the intervention.

Daily Event Analysis of Alcohol/Drug and Risky Sex is designed to understand the relationship between being intoxicated at the time of intercourse and use of disease protection. The idea that "high = high risk" assumes that intoxication interferes with judgment processes, but this assumption has not been rigorously tested. In this project we are collecting daily data to disentangle the relationship between condom use, intoxication, and variables such as propensity to risk-taking and the social context of drinking.

Robert D. Plotnick

My major recent research project has been an analysis of consequences of early childbearing for young women's educational attainment and teenage work experience, and for their work experience and wages when they become young adults. The study has been

conducted jointly with Shelly Lundberg (UW Department of Economics) and Dan Klepinger (Battelle). The study draws on human capital theory, which makes clear the endogenous or joint nature of the behaviors and outcomes of interest. In one aspect of this project we trace the routes through which adolescent fertility affects adult wages, by decomposing the total impact of adolescent fertility on adult wages into changes in measurable quantities of education and experience. The primary data set is the National Longitudinal Survey of Youth.

The main finding to date appear in 2 papers. "Adolescent fertility and the educational attainment of young women," (*Family Planning Perspectives*, 27:1, January/February 1995) examines non-Hispanic white, non-Hispanic black and Hispanic young women separately and finds that early childbearing reduces educational attainment by one to three years for members of each group. Other recent research has reported that the socio-economic effects of teenage childbearing are not as dire as early studies had suggested. This study's results, however, suggest that the "revisionist" findings are open to challenge.

The second paper, "How does adolescent childbearing affect the human capital and wages of young women?" (presented at the April, 1995 PAA Meetings), examines the relationship between teen childbearing and early human capital development, and the resulting consequences for wages in early adulthood. The results show significant negative effects of a teen birth on completed schooling and teen work experience for both white and black women, and on early adult work experience for white women. These negative effects on human capital translate into adult wage losses of 40-45% for whites and 13-43% for blacks. Once we control for these human capital effects, there is no significant direct impact of teen childbearing on adult wages for whites. For blacks, there is also no significant direct effect in some specifications, but in others a puzzling significant positive direct impact of teenage childbearing on adult wages appears.

Elaina Rose

The focus of my current work is the role of gender in the intrahousehold allocation process in rural South Asia. The gender economic event for rural Indian households: a son represents an asset that will yield

considerable returns within the next few decades, and a daughter is a liability. The differences in returns are due to the dowry system, the higher returns to male labor in the labor market, and the generally patrilocal structure of Indian families.

Because of these differences in returns from sons and daughters, as well as a preference for sons that may exist apart from the differential returns, the gender of a child at birth will likely affect household behavior. If households have access to credit markets or sufficient assets from which they can dissave, they will begin consuming more goods and leisure after a son is born because of the increase in their lifetime wealth. If the returns to investing in sons exceeds the returns to investing in daughters, or if households prefer consumption of sons to that of daughters, they will allocate more goods and time to sons rather than daughters.

The role of credit markets in shaping households' responses to a child's gender is critical. In "Consumption Smoothing and Excess Female Mortality in Rural India", I found that differential female/male mortality rates were higher for cohorts of children who were infants in a period in which an adverse transitory event occurred. This differential was more pronounced for landed households than for the landless. This result implies that, without alternative means to smooth consumption, households respond to adverse shocks by sacrificing their daughters' survival.

The question posed in "Gender and Savings in Rural India" (with Anil Deolalikar) is: How does the gender of a child at birth affect the savings behavior of rural Indian households? The result for the relatively wealthier households, that savings is lower after a boy is born relative to a girl, is consistent with the permanent income hypothesis: The birth of a son makes a household feel richer, and if they are able to borrow against future income, savings will fall. However, we do not find a significant effect of the gender shock on savings for the poorer households in the sample. We decompose the response of savings to the gender shock for the wealthier households, and find that it occurs mainly through income.

In "Are Households Constrained in Credit Markets or Labor Markets? A Test Based on the Returns from Sons and Daughters in Rural India", I look at the effect of the gender shock on time allocation of rural India households. For the wealthier households, the effect of the birth of son rather than a daughter is to

reduce the leisure of males; although there is no effect on the apparent leisure of females. For the less wealthy households, females consume more apparent leisure after a son is born rather than a daughter, while men consume less. These results, along with the results for savings reported in Deolalikar and Rose, are consistent with the predictions of an intertemporal model of intrahousehold resource allocation in which poorer households are constrained in the credit market and wealthier households are constrained in the market for female labor.

Bettina K. Shell-Duncan

Currently I am working on a project focusing on the demographic and health consequences of sedentarization among the Rendille, a group of formerly nomadic pastoralists who reside in northern Kenya. The aim of this project is to examine the range of alternate subsistence strategies available to people inhabiting an arid semi-desert environment, and to test the widely held claim that settlement of arid land populations results in improved health and well-being for the people involved. Using data from a large scale survey of members of the settled and nomadic sectors of the Rendille population, I am assessing the causes, variety and implications of pastoral sedentarization, and investigating whether the process of settlement of former nomads alters their quality of life, as measured by changes in fertility, mortality, nutrition, women's status, and socioeconomic status.

Eric A. Smith

The focus of my current research is on the socioeconomic and demographic changes undergone by Inuit (Canadian Eskimo) in the last half-century. Demographic data which I collected during previous field and archival research are currently being analyzed. My goal is to determine the relative importance of various socioeconomic factors in shaping the demographic structure and behavior of this population, and to test hypotheses derived from ecological, economic, and anthropological theory (as detailed below). In my research, I am focusing specifically on the interrelation of socioeconomic and demographic changes. As part of a year-long study of subsistence ecology and socioeconomic change among an Inuit population, I collected substantial demographic and genealogical data extending over three or more generations, drawn

from both written records and oral histories. Because these data cover the period when this population underwent major socioeconomic changes (from complete reliance on hunting and trapping, and a mobile settlement pattern, to settled village life with access to store foods and medical care), as well as marked shifts in demography (fertility and mortality, age at marriage, settlement patterns, and population movement), they offer an excellent opportunity to analyze the causal connections between socioeconomic and demographic factors in a modernizing but still relatively isolated and independent population, and one representative of the small, self-sufficient populations characteristic of the bulk of our evolutionary history.

At this stage, the major questions I am trying to answer include the following:

1) What are the proximate and ultimate determinants of fertility shifts in the Inuit population? In particular, does the onset of high fertility in mid-century correlate more closely with increases in imported foods, improved medical care, or a decline in nomadism? The first of these is clearly responsible for changes in mortality, with an end to the periodic starvation crises that Inuit have undergone at least since historical contact first began; but ecological theory suggests that fluctuating mortality may select for an optimal reproductive strategy of high fertility, whereas more constant mortality rates (due to stable food supplies, for example) would favor a less "risky" strategy with a delayed fertility schedule. If the Inuit population explosion is due simply to medical care and higher survivorship, then of course fertility should remain constant or even drop (according to demographic transition theory). Finally, anthropologists have long debated the importance of nomadism in limiting the fertility (and hence population density and sociopolitical complexity) of hunter-gathers, but existing tests are few and inconclusive. This question can be tackled in part through comparison of settlement versus camp-dwelling individuals through time.

2) There has been a decline in fertility in the last decade. I want to ascertain if this is due to a wider mean inter birth interval, to increased age at marriage, or both. Does it affect all socioeconomic groups (wage earners vs. full-time hunters, etc.) equally? Do theories concerning the cost of rearing children offer an explanation here, or is education and birth-control availability more relevant?

3) Inuit are renowned for high rates of adoption (up to 40% in some communities), and this continues today despite changed conditions. Having gathered some demographic and cultural data on this for my study population, I want to explore some of the alternative hypotheses found in the literature (including correction of family imbalances in age and sex composition, net flows from poor to wealthy families, and kinship alliance for political and ecological security).

David P. Tracer

The contraceptive effect of breast-feeding is widely regarded to be an important determinant of the length of the interval between births, and hence fertility, in traditional human societies. Indeed, the remarkable assertion has even been made that lactation-induced anovulation "probably prevents more pregnancies the world over than all artificial forms of contraception put together" (Short 1976:16). Yet unlike most artificial forms of contraception, remarkably little is known about the factors that may influence the use-effectiveness of the natural contraceptive. In particular, it is unclear at present whether the duration of lactational anovulation may be mediated to any substantial degree by environmental and ecological factors. My current research examines the potential effects of maternal socioeconomic and nutritional status on the duration of lactational amenorrhea in a forager-horticulturalist population of Papua New Guinea.

For this project, I collected data on maternal nutritional status, infant feeding practices, and the duration of postpartum amenorrhea among two

socioeconomic groups of Au forager-horticulturalists of lowland Papua New Guinea. One of the shortcomings of much of the previous research on this topic has been a failure to specify and measure precisely those components of maternal nutritional status that are theoretically expected to generate variability in the duration of lactational amenorrhea. Instead, many studies employ the crude expedient of measuring maternal weight as a proxy for "nutritional status." By contrast, this study has attempted to disentangle the effects of various components of nutritional status by including in the analyses measurements of maternal weight, height, fat mass, and lean or muscle mass.

Our analyses demonstrate that while both "traditional" Au women and those in households with a significant source of wage income continue to breastfeed their offspring for approximately three and one-half years, the better nourished "wage-earning" women experience their first postpartum menses just over one year earlier (median = 12.5 mos.) than their more poorly nourished "traditional" counterparts (median = 26.6 mos.). Probit analyses have also yielded results demonstrating that even after controlling for time since delivery, maternal age, parity, and supplementation of infant's diets with semi-solids, the duration of postpartum amenorrhea is still significantly and negatively associated with maternal fat mass. To date, we have found no association, however, between indices of maternal lean mass and the duration of postpartum amenorrhea. The results of this study suggest that components of maternal nutritional status, in particular, adiposity, may play an important role in influencing heterogeneity in fecundity both within and among human populations.

PUBLICATIONS OF FACULTY ASSOCIATES AND POSTDOCTORAL FELLOWS

Gunnar Almgren

Living Will Legislation, Nursing Home Care, and the Rejection of Artificial Nutrition and Hydration: An Analysis of Bed-side Decision Making in Three States. *Journal of Health and Public Policy* 4:43-63. 1993.

Small Area Population Aging: the Case of Chicago. *The Public Policy and Aging Report* 5. 1993 (with Edward Lawlor).

Julie E. Brines

The Exchange Value of Housework. *Rationality and Society* 5:302-40. 1993.

Gender, Housework, and Purposive Action. *Rationality and Society* 6:172-76. 1994.

Economic Dependency, Gender, Economic Dependence, and the Division of Labor at Home. *American Journal of Sociology* 100:652-689. 1994.

The Singles Industry. *The Reader's Guide to US Women's History*. Forthcoming

Paul Burststein

Explaining State Action and the Expansion of Civil Rights: Passage of the Civil Rights Act of 1964. *Research in Political Sociology* 6:117-37. 1993.

Affirmative Action and the Rhetoric of Reaction. *The American Prospect* 14:138-47. 1993.

The Impact of Employment Discrimination Litigation on Racial Disparities in Earnings. *Law and Society Review* 28:79-111. 1994 (with Mark Edwards).

Equal Employment Opportunity: Labor Market Discrimination and Public Policy. Editor. New York: Aldine de Gruyter. 1994.

Political Movements and Their Consequences: Lessons From the US Experience. *The Politics of Social Protest*, (J. Jenkins and Bert Klandermans, eds.). Minnesota: University of Minnesota Press. 1995 (with Rachel Einwohner and Jocelyn Hollander).

Policy Alternatives and Political Change: Work, Gender, and Family on the Congressional Agenda, 1945-1990. *American Sociological Review* 60:67-83. 1995 (with Marie Bricher and Rachel Einwohner).

Kam Wing Chan

Geographical Research and Development. Hong Kong: University of Hong Kong Press. 1993 (with Chak-lam So).

Inter-provincial Migration in China: Statistics and Estimates. *Population Science of China* 35:37-41. 1993 (with Yunyan Yang).

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Elaina Rose

Ex Ante and Ex Post Labor Supply Responses to Risk in a Low-Income Area. *Review of Economic Studies*. 1995.

Consumption Smoothing and Excess Female Mortality in Rural India. *Review of Economics and Statistics*. 1995.

Gender and Savings. *Economic Development and Cultural Change*. (Forthcoming) (with Anil Deolalikar)

Are Households Constrained in Credit Markets or Labor Markets?: A Test Based on Differential Returns from Sons and Daughters in Rural India. (forthcoming)

Bettina K. Shell-Duncan

Cell-Mediated Immunocompetence Among Turkana Children. *American Journal of Human Biology* 5:225-35. 1993.

The Effect of Fostering on Health and Nutritional Status of Nomadic Turkana Children. *African Pastoralist System*, E. Fratkin, E. Roth and K. Galvin (eds.) pp. 147-64. 1994.

The Impact of Seasonal Variation in Resource Availability and Disease Stress on the Health of Nomadic Turkana Women and Children: A Longitudinal Analysis of Morbidity, Immunity and Nutritional Status. *American Journal of Human Biology* 7:339-55.

The Evaluation of Delayed-Type Hypersensitivity Responsiveness and Nutritional Status as Predictors of Gastrointestinal and Acute Respiratory Infection: A Prospective Field Study Among Traditional Nomadic Kenyan Children. *Journal of Tropical Pediatrics* (in press) 1996.

Health and Morbidity Among Ngisonyoka Turkana: An Ethnomedical and Epidemiological Analysis. *Nomadic Turkana: Biobehavior and Ecology of A Pastoralist Society*, (in press)(K. Shelly and P.W. Leslie) 1996.

Eric Smith

Mating Versus Reproductive Success: Resolving the Conundrum. *Behavioral and Brain Sciences*.

Inuit Sex Ratio Variation: Population Control, Ethnographic Artifact, or Parental Manipulation? *Current Anthropology* 35:595-624. 1994 (with Gail Smith).

Nguyen Minh Thang

Individual and Community Characteristics Influencing Breastfeeding Duration in Vietnam. *Annals of Human Biology* 20:325-334. 1993 (with Ingrid Swenson and Pham Xuan Tieu).

Factors Related to the Utilization of Prenatal Care in Vietnam. *Journal of Tropical Medicine and Hygiene* 96:76-85. 1993 (with Ingrid Swenson, Vu Qui Nhan, and Pham Xuan Tieu).

Vietnam War's Impact on Infant and Childhood Mortality. *The American Journal of Public Health* 83:1134-1138. 1993 (with Daviz Savit, Ingrid Swenson, and Erika Stone).

Selected Determinants of Fertility in Vietnam: Age at First Marriage, Marriage to the First Birth Interval, and Age at First Birth. *The Journal of Biosocial Science* 25:303-310. 1993 (with Ingrid Swenson).

Factors Influencing Infant Mortality in Vietnam. *The Journal of Biosocial Science* 25:285-302. 1993 (with Ingrid Swenson and others).

Early Childhood Survivorship in Vietnam. *The Journal of Tropical Medicine and Hygiene* 97. 1994 (with Ingrid Swenson, Pham Bich San, Vu Qui Nhan, and Vu Duy Man).

Fertility, Mortality, Migration and Family Planning in Vietnam. *Population Studies*, forthcoming (with James Allman, Magali Barieri, and Pham Bich San).

David Tracer

Clines and Clusters Versus "Race": A Test in Ancient Egypt and the Case of a Death on the Nile. *Yearbook of Physical Anthropology* 36:1-31. 1993 (with C.L. Brace, L.A. Yaroch, J. Robb, K. Brandt, and A.R. Nelson).

Socioeconomic Mediation of Birth Interval Duration in a Papua New Guinea Population. *Annals of the New York Academy of Sciences*, Vol 709, *Human Reproductive Ecology: Interactions of Environment, Fertil-*

ity, and Behavior, New York: The New York Academy of Sciences, pp. 231-234. 1994.

Socioeconomic Variation in Postpartum Amenorrhea in Lowland Papua New Guinea: Is it Explicable by Differences in Suckling Patterns? *American Journal of Physical Anthropology Supplement* 18:197. 1994.

Lactation, Nutrition, and Postpartum Amenorrhea in Lowland Papua New Guinea. *Human Biology*. 68: 277-293. 1996.

Observations On Age At Sexual Maturity and Captive Reproduction in the East African Sand Boa (*Eryx colubrinus loveridgei*). *Reptile and Amphibian*. Jan/Feb 1996: 46-51.

Mark VanLandingham

Breastfeeding and Waiting Time to Conception for Malay Women: A Tale of Two Surveys. *Social Biology* 40:215-223. 1993.

Sexual Activity Among Never-married Men in Northern Thailand. *Demography* 30:297-313. 1993 (with S. Suprasert, W. Sittitrai, C. Vaddhanaphuti, and N. Grandjean).

Sexual Behavior and IV Drug-use Among Low-income Women in New Jersey. *Aids Education and Prevention* 6:400-412. 1994 (with A. Kline).

Aren't Sexual Issues Supposed to be Sensitive? *Health Transition Review* (Forum: Focus Groups for Health Research) 4:85-90. 1994 (with J. Knodel, C. Saengtienchai, and A. Pramualratana).

Exchange with Nelson et al. (1993) *Journal of the American Medical Association* 272:1478-1479. 1994.

Native American Infant Mortality in the United States, 1960-1984. *Social Biology*, forthcoming (with C. Hogue).

Two Views of Risky Sexual Practices Among Northern Thai Males: The Health Belief Model and the Theory of Reasoned Action. *Journal of Health and Social Behavior*, forthcoming (with S. Suprasert, N. Grandjean, and W. Sittitrai).

WORKING PAPERS

In collaboration with the Battelle Health and Population Research Center, the Center for Studies in Demography and Ecology began a working paper series in 1991. To receive a copy of a working paper, address inquiries to Publications, Center for Studies in Demography and Ecology, Box 353340, University of Washington, Seattle 98195-3340. Working papers from the 1995-96 academic year include:

- 95-5. *Unmet Need and Demand for Family Planning in Selected Rural Areas in Vietnam*, by Nguyen Minh Thang, May, 1995 (21 p.)
- 95-6. *Instrument Selection: The Case of Teenage Childbearing and Women's Educational Attainment*, by Daniel Klepinger, Shelly Lundberg and Robert Plotnick, March, 1995 (22 p. [3 p.])
- 95-7. *Race and Population Change: A Longitudinal Look at Cleveland Neighborhoods*, by Townsend Price-Spratlen and Avery M. Guest, July, 1995 (38 p.)
- 95-8. *The Wages of War: Vietnamese Casualties During the American War*, by Charles Hirschman, Samuel Preston and Vu Manh Loi, June 1995 revision (48 p., [8 p.])
- 95-9. *A Social Behavioral Model of STD Acquisition Among Men*, by John O.G. Billy, Koray Tanfer, William R. Grady and Betsy Payn, July 1995 (42 p., [12 p.])
- 95-10. *Paid Leave and the Timing of Women's Employment Surrounding Birth*, by Jutta M. Joesch, July, 1995 revision, (26 p., [14 p.])
- 95-11. *Gender Roles and Migration: 'Good Sons' vs. Daughters in Rural Thailand*, by Sara R. Curran, July 1995
- 96-1. *Age at First Marriage in Vietnam: Patterns and Determinants*, by Minh Nguyen Huu, 1995, (29 p., [11 p.])
- 96-2. *Adaptations to Resource Constraints during the Pretransitional Era: Fertility Differentials Arising from the Peopling of the Thai Frontier*, by Mark VanLandingham and Charles Hirschman, 1995, (26 p., [11 p.])
- 96-3. *Comparing Explanations of Fertility Decline Using Event History Models with Unobserved Heterogeneity*, by Steven M. Lewis and Adrian E. Raftery, November, 1995, (25 p.)

96-4. *Inequality and Race: Models and Policy*, by Shelly J. Lundberg and Richard Startz, 1995, (32 p.)

96-5. *The Northwest as a Focus for New Infectious Diseases*, by Jonathan D. Mayer and Ann Marie Kimball, 1995, (18 p.)

96-6. *Do Psychological Perceptions Mediate the Effects of Socioeconomic Characteristics on Condom Use? The Health Belief Model (HBM) and Beyond*, by Jie Guo, October 1995, (12 p., [7 p])

96-7. *The Mobility Transition and Neighborhood Attachment*, by Marc Bolan, 1995, (29 p., [6 p.])

96-8. *The Ecology of Race and Socio-Economic Distress: Working Age Mortality in Chicago*, by Avery M. Guest, Gunnar Almgren, and Jon M. Hussey, 1995 (revision March 1996)

RESEARCH FACILITIES

THE CSDE LIBRARY

The University of Washington Library system is one of the largest and most respected research libraries in North America. Its collections exceed 5 million catalogued volumes, an equal number in microfilm, several million items in other formats, and current subscriptions to more than 50,000 serials. It uses the most up-to-date electronic technology to service its patrons. Among its nationally ranked collections are the East Asia Library collection and South Asian area studies holdings. There is also a specialized collection on Southeast Asia.

The CSDE Library is a specialized collection that has historically supported the research and training needs of faculty, post-doctorate fellows, and students in the Center. The library includes a comprehensive collection of U.S. Census reports from 1900-1980 as well as up-to-date acquisitions in CD-ROM and printed formats from the 1990 Census. In addition, the collection has a nearly complete set of U.S. vital statistics publications and related sets of demographic, sociological and statistical materials. The CSDE Library contains more than 4,000 monographs, and over 130 serial titles, including current subscriptions to more than 60 journals. The CSDE library also includes a number of major reference works on Asian populations and societies. In addition, the library maintains a fairly comprehensive collection of working

papers from most of the leading population centers in the United States, and many from centers in Asia and Europe. The library has recently added POPLINE to its searching services, allowing all CSDE Associates access from their microcomputers. The library's holdings have also been converted to an on-line system, allowing for more convenient and efficient searching from every computer on the network.

The CSDE Library is managed by Nancy Morrow, who has more than 10 years of experience in the University of Washington Libraries system. The library staff, including Ms. Morrow and undergraduate work-study students, provides a variety of services to CSDE Associates, including searching, courier and document delivery, reserve, and bibliographic services.

UNIVERSITY COMPUTING AND THE CSDE LAN

For all practical purposes, mainframe computing is free at the university. Students and faculty can create their own accounts by logging on and entering their university ID numbers. Consulting services are available from the University's Academic Computing Services and the Center for Social Science Computation and Research (CSSCR). Most of CSDE's mainframe computing is conducted on a cluster of 6000/580 IBM RISC and Sun Sparc 20 which has all the necessary resources (such as tape drives and on-line disk storage) and statistical software (SPSSX, SAS, BMDP, S-Plus, STATA) for state-of-the-art computing with large data files.

CSSCR, which is located on the same floor of Savery Hall as CSDE, maintains a social science data archive, provides access to a network of microcomputers and mainframe terminals, and offers technical assistance on all aspects of computing (via short courses, consulting, and documentation).

The personal computers of all faculty research associates and all computers in the CSDE computer lab are linked to CSDE LAN, a network running Novell Netware 3.11 and Netware 4.0 on Ethernet connections. The two network servers have 64 MB of RAM and 7.2 GB of hard disk storage.

CSDE maintains a computer lab with six high powered Pentium Computers which are hardwired into the campus network and the CSDE LAN. Most graduate students have free access to the CSDE Lan through the computer lab. High-speed line printers

and high volume PostScript printers are available in CSSCR, including laser printing from mainframes.

The CSDE LAN has the latest version of over 40 different applications pertaining to statistical applications (SPSS, SAS, S-Plus, STATA, Systat, Egret), word processing (Microsoft Word, Word Perfect for DOS and Windows), graphics packages (Atlas Graphics, Harvard Graphics) and drawing packages (Visio, Microsoft Draw, Microsoft Chart), database applications (Microsoft Access, Notebook, Dbase), mapping software (Atlas GIS, Atlas Pro, Map Info, Harvard Geo Graphics) and other utilities.

CSDE also maintains a Sun Sparc 20 system, with 64 MB RAM and a capacity of 14 GB of disk space. It is primarily used as a base for running statistical applications on large datasets because of its disk capacity and the availability of unlimited CPU time. All CSDE faculty, postdoctoral fellows, and graduate students have access to the resource.

CSDE has joined the World Wide Web (<http://csde.washington.edu>) to disseminate vital information to the public as well as to provide links to other demographic centers and related institutions around the world. Information on courses, research, seminars, and working papers is also published on the Web. The development of our Web homepage has opened great possibilities for communication with the rest of the scholarly community.

CSDE employs a full-time systems analyst/programmer, Sekar Thiagarajan, who heads the computer core for the Center to assist with hardware and software problems. Mr. Thiagarajan also serves as a liaison to CSCCR and University Computing Services.



PROFESSIONAL ACTIVITIES AND AWARDS

Julie Brines

Discussant, Panel on Cohabitation and Marriage, Annual Meeting of the Population Association of America, San Francisco, April 1995.

Husbands, Wives, and the Attractiveness of Alternatives. Presented at the Annual Meeting of the American Sociological Association, Miami Beach, August 1993.

Economic Dependency, Gender, and the Division of Labor at Home. Paper presented at the Annual Meeting of the Population Association of America, Cincinnati, April 1993.

The Ties that Bind. Paper presented at the Annual Meeting of the Population Association of America, Cincinnati, April 1993.

Program Committee, Pacific Sociological Association. 1995-1996.

Guest speaker on *Fairness and the Division of Household Labor.* Departmental Visiting Committee, Department of Sociology, University of Washington. 1993.

Paul Burstein

Might the Public Influence Public Policy? Two Views. Presented at American Sociological Association. 1996.

Issue Evolution: Patterns of Change in Congressional Proposals on Paid Work, Gender, and Family, 1945-1990. (with Rachel Gragg). Presented at the American Political Science Association. 1996.

Political Participation, Social Networks, and Social Change. Presented at a mini-conference, "First Steps in Politics: Transitions to Political Participation Among Youth and Young Adults." Brown University, February 26, 1996.

Public Opinion and Public Policy. Presented at American Sociological Association. 1995.

Political Parties, Interest Groups, and Social Movement Organizations: a Theoretical Synthesis. Presented at American Political Science Association. 1995.

The Impact of Equal Employment Opportunity Law: a New Perspective. 1995.

The Consequences of Prohibiting Employment Discrimination: Title VII and American Society. Presented at A Conference on Civil Rights in America: The 30th Anniver-

sary of the Civil Rights Act of 1964. Federal Judicial Center, Washington, DC, November 1994.

Affirmative Action: Big Controversy, Little Impact? Presented at American Sociological Association. 1994.

Rose Monograph Series, American Sociological Association, Editorial Board, 1996 - present.

American Journal of Sociology, Consulting Editor, 1995 - present.

Sociological Inquiry, Associate Editor, 1993 - present.

Work and Occupations, Editorial Board, 1995 - present.

Research in Political Sociology, Editorial Board, 1987 - present.

Publications Committee, American Sociological Association, 1991 - 1994.

Program Committee, Pacific Sociological Association, 1994 annual meeting.

Organizer, *Teaching Sociologists to Write.* Workshop, annual meeting of the American Sociological Association, Washington, DC 1995.

Organizer and Presider, *Teaching Writing for and to Sociologists.* Annual meeting of the American Sociological Association, Los Angeles, 1994.

Organizer, presider, and discussant, session on Politics and Conflict in Labor Markets. Annual meeting of the Pacific Sociological Association, Portland, OR, 1993.

Kam Wing Chan

Associate Editor, *Chinese Geography and Environment*, 1987 - present.

Robert Crutchfield

Associate Editor, *Social Problems*, 1989 - 1993.

Chair, Affirmative Action Committee, American Society of Criminology, 1991 - 1993.

Session Organizer, *Community and Conflict.* Pacific Sociological Society, Portland, 1993.

Program Co-chair, Society for Study of Social Problems, Miami, 1993.

Member of the Board of Directors, Washington Council on Crime and Delinquency, 1993 - present.

Ford Foundation Minority Fellowship — Social Science Review Panel, 1993 - 1995.

Fullbright Awards Review, The Discipline Committee in Criminology, 1993 - 1996.

Committee on Committees, Society for the Study of Social Problems (Co-chair), 1994 - 1997.

Awards Committee, American Society of Criminology, 1994.

Committee Reviewing Teacher Preparation, American Sociological Association, 1994 - 1995.

Editorial Board, *Journal of Quantitative Criminology*, 1994 - present.

Senior Fellow, Faculty Fellows Program, University of Washington, 1994 - 1996.

Graduate Program Coordinator, Department of Sociology, University of Washington. 1995 - present.

Faculty Coordinator, Undergraduate Scholars Program, Center for Studies in Demography and Ecology/Mellon Foundation, University of Washington, 1994 - present.

Ford Foundation Minority Fellowship — Social Science Review Panel Chair, 1996.

Awards Committee, American Society of Criminology, 1996.

Advisory Board, *Journal of Criminal Law and Criminology*. 1996 - 1999.

Mary Gillmore

Daily Diaries of Alcohol Use and Sexual Behaviors: Data Collection Methods, Missing Data and Reliability of Responses. Paper presented at the annual meeting of the American Public Health Association, (with B. Leigh and D.M. Morrison) San Diego, October 1995.

Women and Empowerment: Issues for Health Education and Promotion. Paper presented at the annual meetings of the Midwestern Psychological Association, (with L. Gutierrez) Chicago, May 1995.

Alcohol and Sexual Risk Taking. Paper presented at the annual meetings of the Psychosocial Workshop, San Francisco, April 1995.

Differences in Beliefs and Norms about Alcohol Use from 4th to 7th Grade. Poster presented at the biennial meetings of the Society for Research in Child Development, (with E. Wells, E. Simpson, D. Morrison, M. Hoppe and A. Wilsdon) Indianapolis, April 1995.

Challenges in Measuring STD - Related Behaviors Among Culturally Diverse Adolescents. Paper presented at the American

Public Health Association Meetings, (with D. Morrison) Washington, DC, November 1994.

The Women's Health Project: *Using Multiple Source of Quantitative and Qualitative Data to Inform Intervention Design*. Paper presented at the Association for the Advancement of Behavioral Therapy annual meetings, (with S. Baker, B. Beadnell, J. Gordon, and D. Morrison), San Diego, November 1994.

Women Who "Date", Women Who Don't: Understanding High-Risk Women's Sexual Safety Decisions Using an Expanded TRA Model. Paper presented at the American Psychological Association's Psychosocial and Behavioral Factors in Women's Health: Creating an Agenda for the 21st Century, (with S. Baker, B. Beadnell, D. Morrison). Washington, DC, May 1994.

Interventions to Increase Condom Use Among Higher Risk Heterosexually Active Urban Teens. Paper presented at the annual meeting of the Psychosocial Workshop, Miami, May 1994.

Avery M. Guest

Editor, *Demography*, 1990-1993.

Member, Board of Directors, Population Association of America, 1993-1995.

Editorial Board. *Urban Affairs Quarterly*, 1990-1995.

Consultant, Seattle City Planning Department, 1993.

Acting Chair, Sociology, 1994.

Acting Director, Center for Studies in Demography and Ecology, 1993-1994.

Director, Center for Studies in Demography and Ecology, 1995-.

Presented, *Race and Urban Settlement Patterns: A Longitudinal Look at Cleveland Neighborhoods*, presented at the annual meeting of the Population Association of America, Miami, May, 1994. (with Townsend Price-Spratlen).

Presented, *White Folks, Black Folks: Race and Community Mortality Differences in Chicago*, presented at the annual meeting of the Population Association of America, San Francisco, April, 1995. (with Gunnar Almgren and Jon Hussey).

Susan Bell Hanley

Editor, *Journal of Japanese Studies*, 1986-present.

Advisor, for the selection of Fellows for the Woodrow Wilson Center, 1989 - Present.

Member of Advisory Board, Kyoto Conference on Japanese Studies 1994, sponsored by the International Research Center for Japanese Studies in Kyoto.

Served as a discussant and editorial advisor for The World Bank Conference on the Evolution, Character, and Structure of the Japanese Civil Service and Its Role in Shaping the Interrelationship Between Government and the Private Sector, held in February 1993.

Presented seminar on *Famine in Premodern Japan* to the Seminar of the Center for Studies in Demography and Ecology (UW) and Battelle Health and Population Research Center, February 12, 1993.

Presented in Japanese a paper on "Changes in the Life Cycle of Japanese Women, 1775-1993", to the Conference on *Josei bunka to gender (Women's Studies and Gender)*, held in Osaka, July 6-8, 1993. Co-editor with Professor Wakita Haruko of the 2-volume book to be published in Japanese by the University of Tokyo Press, 1994.

Gave lecture in Japanese, *edo jidai seikatsu suijun no hidadu kenkyu (A Comparative Study of the Tokugawa Living Standard)* at the University of Osaka Department of Humanities, October 18, 1993.

Gave lecture on *Japan's Material Culture: A Clue to Its Successful Industrialization* to the Faculty of Comparative Culture, Sophia University, Tokyo, October 21, 1993.

Elected to the Northeast Asia Council of the Association for Asian Studies for a 3-year term beginning in 1995.

Co-organizer with John W. Treat of a multi-national conference on *Crisis and Change in Japan Today* held at the University of Washington in October 1995. Sponsors included the Japan-U.S. Friendship Commission, the Japan Foundation, and the University of Washington.

Member of the John W. Hall Book Prize committee for the Association of Asian Studies, 1995-97.

Chair, Committee on Student Grants and Fellowship for Japan Studies, 1996-present.

Member, Graduate School Academic Grievance Standing Committee, 1991-present.

Chair, Japan Studies, 1995-present.

Member, Japan Endowment committee, 1995-present.

Graduate Program coordinator, Japan Regional Studies, 1995-present.

Charles Hirschman

Fellow, Center for Advanced Study in the Behavioral Sciences, Stanford, California, 1993-94.

Chair, Section on Asia and Asian America for the American Sociological Association, 1995-96.

Board of Directors, Population Association of America, 1992-94.

Vice President, Population Association of America, 1997.

Joint SSRC/ACLS Advisory Committee on International Programs, Social Science Research Council, 1991-93.

Abe Fellowship Committee, Social Science Research Council, 1992-93.

Joint SSRC/ACLS Committee on Southeast Asia, Social Science Research Council, 1993-96.

Chair, Committee on International Migration, 1994-present.

Immigration Research Advisory Committee, Russell Sage Foundation, 1993-present.

Inter-University Consortium for Political and Social Research, Council, 1995-present.

National Research Council, Panel on the Demographic and Economic Consequences of Immigration, 1995-present.

Editorial Advisory Board, *Population Index*, 1991-95.

Consulting Editor, *American Journal of Sociology*, 1994-present.

Editorial Advisory Committee, *Sociological Perspectives*, 1995-present.

Editorial Board, Westview Press Series on Social Inequality, 1988-present.

International Advisory Board, *Southeast Asian Journal of Social Science*. (Singapore), 1982-present.

Editorial Advisory Board, *Journal of Asian Business* (University of Michigan), 1990-present.

Editorial Advisory Board, *Journal Ekonomi Malaysia* (Faculty of Economics, National University of Malaysia), 1987-present.

External Assessor (for promotions and appointments), Division of Statistics, Faculty of Economics and Administration, University of Malaya, 1993-present.

External Examiner, Department of Sociology, University of Singapore, 1993-94.

Population Council Workshop on *Teaching Demography*, January 6-16, 1993, Hanoi, Vietnam.

SSRC International Predissertation Fellowship Program Conferences, 1992 & 1995.

Social Science Research Council Training Course on *Social Science Concepts and Methods*, February 13-24, 1995, Vietnam National Center for the Social Sciences and Humanities, Hanoi, Vietnam.

Chair, Department of Sociology, 1995-present.

Presented paper at State University of New York-Albany, Conference on American Diversity in the 21st Century. Albany, New York, April 1994.

Chair of the SSRC Committee that sponsored a Conference on *Internal Migration*, Sanibel Island, Florida, January 1996.

Rapporteur, National Research Council Workshop on Race and Ethnic Classification, February 1994.

Lucy Jarosz

Advising and Resource Faculty, International Health Program, University of Washington, 1991-present

Program Faculty, International Studies, Jackson School of International Studies, University of Washington, 1994-present

African Studies Program Committee, University of Washington, 1990-present

Maricka M. Klawitter

Presented *Determinants of Welfare Entry and Exit by Young Women* (with R. Plotnick), Assoc. for Public Policy and Management, Washington DC, October 1995.

Presented *Did They Find Each Other Or Create Each Other?: Labor Market Linkages between Partners in Same-Sex and Different-Sex Couples*, Population Assoc. of America, San Francisco CA, April 4, 1995.

Presented *Antidiscrimination Policies and Earnings for Same-sex Couples*, Assoc. For Public Policy and Management, Chicago, October 1994.

Presented *Who Gains, Who Loses from Changing Child Support Policies*, Assoc. for Public Policy and Management, Washington DC, October 1993.

Founded and organized UW network and research seminar for teachers and research-

ers interested in sexual orientation, 1994-present.

Organized Panel: *Sexual Orientation, Civil Rights, and Public Policy* for Assoc. for Public Policy Analysis and Management Meetings, October 1994.

Organized Panel: *Feminist Approaches to the Welfare System* for Assoc. for Public Policy Analysis and Management Meetings, October 1993.

Seattle-King County Health Department Allocation Panel for HIV Prevention/Education, 1995

United Way of King County Community Service Panel member, Child Care and Family Counseling panel, 1994-present

Presentation for Gay, Bisexual Lesbian, Transgender Educational Youth Conference, *Discrimination and the Law: Making a Difference*, October 21, 1995

Presentation for Coalition for Sustainable Living, *Welfare and Child Support*, March 2, 1995

Presentation for *Thinking Critically about Welfare Reform* Campus panel discussion, Feb. 14, 1995

Presentation for International Network of Lesbian and Gay Officials, *Coming Out in the Workplace*, November 18, 1994

William Lavelly

Discussant on panel *Contemporary Population Trends and Issues in Chinese Societies* at the Annual Meeting of the Population Association of America, San Francisco, April 1995.

Participant, NICHD Rand Population Research Center Site Visit, Santa Monica, February 7-8, 1995.

Infant Survival in Rural Yunnan. Presented at the Conference on Population and Society in China: Past and Present, sponsored by the UCLA Center for Chinese Studies and the Southern California China Colloquium. Los Angeles, January 28, 1995.

Discussant at the Seminar on China's current fertility level, sponsored by the State Family Planning Commission of China and Statistic Sweden, Beijing, November 30 - December 1, 1994.

Director, China In Time and Space (CITAS), a project sponsored by the Joint Committee on Chinese Studies (JCCS) of the ACLS/SSRC, and the Consortium for International Earth Sciences Information Network (CIESIN).

Presenter at the International Workshop on Sociological Methods, Tianjin, China August 24-26, 1993. Sponsored by the Ford Foundation and the Tianjin Academy of Social Sciences.

Discussant, Conference on Introducing New Contraceptives in Rural China, Honolulu, HI 15-17 June 1993. Sponsored by the Rockefeller Foundation.

Shelly J. Lundberg

Associate, Institute for Research on Poverty, University of Wisconsin-Madison, 1994-present

Member of the Board, Canadian Employment Research Forum, 1994-present

National Longitudinal Surveys Technical Review Committee, 1995-

Diane N. Lye

University of Washington Marshall Scholarship Selection Committee 1993-95

Program Coordinator (with R. Crutchfield), Mellon Minority Fellows in Demography, 1994-present

Presented with Anjanette Nelson. *Childhood Living Arrangements and Attitudes Toward Intergenerational Support*. Population Association of America, Cincinnati, 1993.

Presented with Daniel H. Klepinger. *Race, Childhood Living Arrangements and Intergenerational Family Relations*. Population Association of America, San Francisco, April 1995.

Presented *Race Differences in Adult Child-Parent Relations*. University of California at Berkeley Population Colloquium, October 1995.

Organized, *American Families in Transition* Pacific. Sociological Association, San Francisco, 1995

Discussant, *Fertility and Mortality*. American Sociological Association, Washington, DC, 1995

Deputy Editor, *Demography*. May 1990 to November 1993.

Katharyne Mitchell

Invited panel chair and discussant, *The Impact of Development in Thailand*, Northwest Regional Consortium for Southeast Asian Studies, University of Washington, November 1994.

Invited colloquium presentation in the Department of Geography, paper titled, *Facing Capital: Racial Politics in*

Vancouver's Urban Development, University of Victoria, November 1993.

Collaboratory NSF proposal committee, 1995-96.

Election to the Urban Specialty Board of the American Association of Geographers, 1995.

Richard Morrill

Western Regional Science Association, President, 1992-94.

Chair, Graduate School Group on Growth and its Management, 1989-94

Chair, Graduate School Interdisc. Comm on Ph.D. Urban Planning, 1991-present

Editorial Board, *Political Geography Quarterly*, 1983-present

Seattle Real Estate Research Committee (Demographic correspondent: Semi annual contributions) 1969-present

NAS/USSR Academy of Sciences Exchange on Urban Problems, 1989-present

Editorial Board, *Geography Research Forum*, 1990

Transportation Study Group (re: METRO), 1991

Municipal League. Committee on Local Governance, 1993

Washington State Liquor Control Board, Privatization research, 1994

Editorial Board, *Applied Geography*, 1995

Editorial Board, *International Journal of Population Geography*, 1995

Presented, *Aging in Place, Age-Specific Migration and Natural Decrease*, WRSA Presidential Address, February 1993.

Invited, Panel on History of Spatial Analysis, AAG, April 1993.

Presented to WRSA: *Volatility of US Migration Streams*, 1994.

Presented, *Affirmative Gerrymandering and Regional Integrity*, AAG, 1994.

Presented to WRSA: *Dispersion of a birth cohort*, 1995

Presented *Racial Gerrymandering and cumulative voting*, AAG, 1995.

Presented *Dispersion and Return of a Birth Cohort*, Population Association, 1995.

Diane Morrison

Member, AIDS and Related Research Study Section F, National Institutes of Health, 1995-99.

Program Co-Chair, Psychosocial Workshop of the Population Association of America, Cincinnati, OH 1993.

Presented, *Modeling the Decision to Use Condoms Among High-risk Heterosexual Youth*. Society for the Scientific Study of Sex, Seattle, WA, 1993. (with M. Gillmore and S. Baker).

Presented, *Using Social Science Data to Develop Interventions for Reducing Risk of AIDS and Other Sexually Transmitted Diseases Among Adolescents*. Society for the Study of Sex, Seattle, WA 1993. (With L. Gutierrez, S. Baker, M. Balassone and M. Gillmore)

Presented, *Understanding Women's Sexual Safety Decisions: Using Data to Design Interventions*. Society for the Scientific Study of Sex, Seattle, WA, 1993. (With S. Baker, B. Beadnell, M. Gillmore, and J. Gordon)

Presented, *Condom Use With Steady and Casual Partners: Results From a Longitudinal Study of High-risk Adolescents and Adults*. NICHD Conference on Behavioral Research on the Role of Condoms in Reproductive Health, Rockville, MD. 1993.

Presented, *The Relative Effectiveness of Three Interventions to Change Beliefs, Attitudes and Intentions Toward Using Condoms Among High-Risk Heterosexual Adolescents*. Annual meetings of the American Sociological Association, Miami, FL. 1993. (with M. Gillmore).

Presented, *The Children's Health Awareness Project*. PAA Psychosocial Workshop, Miami, FL. 1994.

Presented, *Drug Use Among Pregnant and Parenting Adolescents*. PAA Psychosocial Workshop, Miami, FL. 1994.

Presented, *Challenges in Measuring Sexual Behavior: STDs Among Culturally Diverse High Risk Adolescents*. American Public Health Association, Washington, DC, 1994.

Robert Plotnick

Presentation at Association for Public Policy Analysis and Management, October 1993.

Presentation at American Economic Association, January 1994.

Presentation at Wayne State University, Conference on the National Urban Policy Report, March 1994.

Presentation at National Institute on Drug Abuse, Technical Review, July 1994.

Presentation at Population Association of America, April 1995.

Presentation at Association for Public Policy Analysis and Management, November 1995.

Program committee: 1997 Population Association of America Conference

Chair, Editor selection committee, *Journal of Policy Analysis and Management*, 1993.

Adrian Raftery

Invited Lectures:

European Highly Structured Stochastic Systems Network Workshop, Luminy, France, June 1995.

Biometric Society WNAR Meeting, Stanford, June 1995.

American Sociological Association Annual Meeting, Washington, DC, August 1995.

Seminars:

Trinity College Dublin, Department of Statistics, 1995.

University of Pravia, 1995.

Fellow of the American Statistical Association, 1994.

Editor, *Sociological Methodology*, 1994-97.

Corresponding Editor, *Publications de l'Institut de Statistique de Paris*, 1992-present.

Associate Editor, *Structural Equation Models*, 1993-present.

Journées de Statistique, Vannes, France, 1993: Member of the Scientific Committee and organizer of the session on "Bayesian Methodology".

Biometric Society, WNAR Meeting, Stanford, Calif., June 1995. *A Tutorial Introduction to the Gibbs Sampler*.

Elaina Rose

Presentation at Rutgers University, Conference on Gender Bias within Households in Developing Economies, *Are Households Constrained in Credit Markets or Labor Markets?: A Test Based on Differential Returns from Sons and Daughters in Rural India*, May 1996.

Presented *Gender and Savings at:*

RAND, March 1996.

Econometric Society Winter Meetings, January 1996.

NE Universities Development Consortium Conference, Harvard, October 1995.

Seattle University, October 1995.

Presented *Consumption Smoothing and Excess Female Mortality in Rural India*: Population Association of America, Economic Demography Workshop, April 1995.

University of British Columbia, March 1995.

Reed College, March 1995.

Econometric Society Winter Meetings, January 1995.

NE Universities Development Consortium Conference, Yale, October 1994.

Rutgers University, October 1994.

Presented *Ex Ante and Ex Post Labor Supply Responses to Risk in a Low-Income Area*:

Stanford University, April 1994.

Association for Indian Economic Studies, January 1994.

Rutgers University, March 1993.

University of Michigan, February 1993.

University of Maryland, February 1993.

Yale University, January 1993.

Discussant, American Economic Association, 1996

Discussant and Session Chair, Population Association of America, 1995.

Discussant, Western Economic Association, 1994

Bettina Shell-Duncan

Consultant on the evaluation of maternal and childhealth. Project Titled: *Social, Demographic and Health Consequences of Pastoral Sedentarization in Marsabit District, Kenya*. 1993-94.

David Tracer

Presented, *Two-decade Trends in Birth Weight and Early Childhood Growth Among*

the Au of Papua New Guinea. 65th annual meeting of the American Association of Physical Anthropologists. Durham, North Carolina. 1996. (with L. Braithwaite)

Presented, *Mechanisms of Fertility Limitation in Traditional Human Societies: Implications for the History of Human Population Growth*. Inter-Congress of the International Union of Anthropological and Ethnological Sciences, "Biodemography and Human Evolution". Trento and Florence, Italy. 1995.

Presented, *Fatness and Fecundity Revisited: Socioeconomic Mediation of Birth Interval Duration in Lowland Papua New Guinea*. Battelle Health and Population Research Center. Seattle 1994.

Presented, *Socioeconomic Variation in Postpartum Amenorrhea in Lowland Papua New Guinea: Is it Explicable by Differences in Suckling Patterns?* 63rd annual meeting of the American Association of Physical Anthropologists. Denver 1994.



CSDE professional staff.

CSDE/BATTELLE SEMINAR SERIES

1995 - 1996

Avery Guest, Director, Center for Studies in Demography & Ecology: **"It's Another Season and Another Show: Introductions and Welcome to CSDE"**

Paula Homes-Eber, Department of Anthropology, University of Wisconsin: **"Fertility Change, Mean Age, and the New Tunisian Bridewealth System"**

Steven Harrell, Department of Anthropology, University of Washington: **"Ethnicity and Cross-Cousin Marriage in Southwest China"**

Richard Morrill, Department of Geography, University of Washington: **"The Future Demand for Higher Education in Washington State"**

Mark VanLandingham and Charles Hirschman, Department of Sociology, University of Washington: **"Adaptations to Resource Constraints During the Pretransitional Era: Fertility Differentials Arising from the Peopling of the Thai Frontier"**

Pamina Gorbach, Senior Fellow Trainee, Department of Health Services, University of Washington: **"Reproduction, Risk and Reality in Vietnam"**

Jutta Joesch, Senior Research Fellow, Department of Health Services, University of Washington: **"Paid Leave and the Timing of Women's Employment Surrounding Birth"**

Bob Plotnick, Department of Public Affairs, Shelly Lundberg, Department of Economics, and Dan Klepinger, Center for Public

Health Research & Evaluation: **"How does Teenage Childbearing Affect the Human Capital and Wages of Young Women?"**

Julie Brines, Department of Sociology, University of Washington: **"Explaining Black/White Differences in the Risk of Marital Disruption"**

Avery Guest, Jon Hussey Department of Sociology, and Gunnar Almgren, School of Social Work, University of Washington: **"Race, Socio-Economic Distress, and Working Age Mortality in Chicago"**

Barbara Entwisle, Department of Sociology, University of North Carolina-Chapel Hill: **"Context in Nang Tong, Thailand: Social and Spatial Perspectives"**

Kristen Hawkes, Department of Anthropology, University of Utah: **"Food Sharing, Menopause, and Long Human Lifespans: Some Lessons from the Hadza"**

Joseph Hotz, Harris School of Public Policy Studies, University of Chicago and Visiting Scholar, RAND: **"The Costs and Consequences of Teenage Childbearing for Mothers"**

Kam Wing Chan, Department of Geography, University of Washington: **"Internal Migration in the People's Republic of China"**

Bettina Shell-Duncan, Department of Anthropology, University of Washington: **"Demographic and Cultural Context of Child Fostering and Nonmarital Fertility Among the Turkana"**

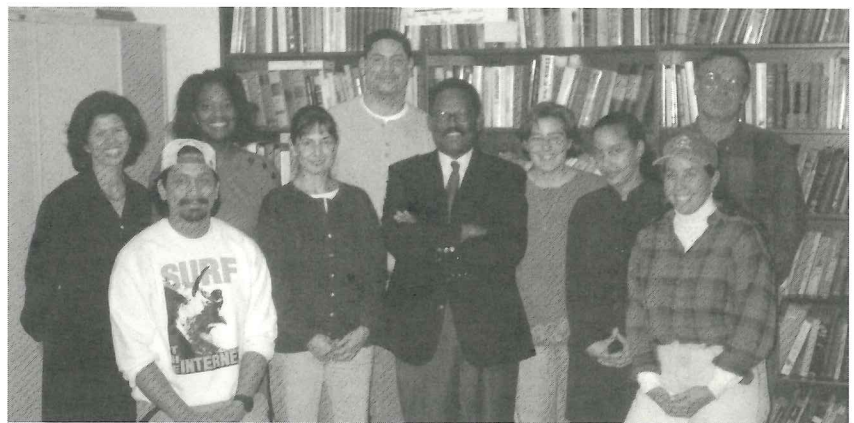
Donald Grayson, Department of Anthropology, University of Washington: **"Sex and Death on the Western Emigrant Trail"**

Terence McGee, Department of Geography & Institute of Asian Research, University of British Columbia: **"Urbanization in Southeast Asia"**

Koray Tanfer, Battelle Center for Public Health Research and Evaluation: **"Pre-Marital Sexual Behavior and Fertility Among Young Women, 1983-1991"**

Elaina Rose, Department of Economics, University of Washington: **"Gender, Savings, and Production in Rural India"**

Jonathan Mayer, Departments of Geography, Medicine (Infectious Diseases), Family Medicine, and Health Services, University of Washington: **"Do Emerging**



Mellon Undergraduate Fellows with faculty and staff.

Infectious Diseases Represent a New Stage in Epidemiologic Transition Theory"

Mary Gillmore and Steven Lewis, School of Social Work, University of Washington: **"Correlates of Rapid Repeat Pregnancies Among Teenagers"**

Paul Burstein and Susan Wierzbicki, Department of Sociology, University of Washington: **"Public Opinion and Congressional Action on Work, Family and Gender"**

Hillard Kaplan, Department of Anthropology, University of New Mexico: **"The Competitive Labor**

Market Theory of the Demographic Transition and the Evolutionary Economics of Human Fertility and Parental Investment"

Eric Roth, Department of Anthropology, University of Victoria: **"Proximate and Distal Variables in the Demography of Rendille Pastoralists"**

Daniel Weinberg, Chief Housing and Household Economic Statistics Division, Bureau of the Census: **"Measuring Poverty: Issues and Approaches"**

Lynn Karoly, Economist, RAND Corp.: **"Explaining Racial and**

Ethnic Differences in Adolescent Employment Outcomes"

Adrian Raftery, Carl Barden and Steven Lewis, Departments of Statistics and Sociology, University of Washington: **"Demand or Ideation? Evidence from the Fertility Decline in 40 Countries"**

Jay Teachman, Department of Human Development, Washington State University: **"The Impact of Financial, Human and Social Capital on Completing High School"**

TRAINING PROGRAM

PH.D. DISSERTATIONS COMPLETED

Townsend Price-Spratlen
"African American Community Development and Migration Streams."
1993

Jon Hussey

"Effects of Neighborhood Context and Ethnicity on Birth Weight and Infant Mortality in Chicago: A Multilevel Analysis."
1996

MASTER'S THESES COMPLETED

Liqun Dong

"Neonatal Mortality in Rural China—A Time Series Study on China's IDFS Data."
1993

Yiefa Ma

"Analysis of Desire for More Children in Jilin Province, China."
1993

Ning Gu

"Educational Homogamy in China."
1993

Bejamin Givens

"Consanguineous Marriage in Iran."
1993

Luo Ping

"Fertility differentials by Sex Composition of Previous Children in China: The Role of Sex Preference Status Governmental Fertility Control."
1994

Loi Manh Vu

"Female Household Headship in Vietnam."
1994

Juli Sanchez

"Gender and Hospital Governing Boards: Women at the Top?"
1994

Nguyen Huu Minh

"Age at First Marriage in Vietnam and its Determinants."
1995

Melanie Stander

"Socio-Structural Theory of the Premenstrual Syndrome."
1995

Arthur Jiro Nishimura

"Japanese Emigration in the Pre-World War II Era (1868-1937): A Reconceptualization of the History."
1995

COURSES IN DEMOGRAPHY

SOCIOLOGY

SOC 430: Urbanization and Modernization. Human population distribution and migration patterns. Causes and consequences of world urbanization. Spatial and social patterns in the metropolis. Aggregate population movements and selectivity of migrants.

SOC 431: Fertility and Mortality. Theories of fertility and mortality, demographic transitions, individual variations. Specific analytic approaches. Familiarity with basic fertility and mortality measures and with the life table is assumed.

SOC 432: Population and Modernization. Examines role of demographic factors in the process of social modernization and economic growth. The approach is both historical, focusing on populations of developed countries since 1700, and analytic, stressing the attempts made by different disciplines to model demographic relationships with attention to less-developed regions.

SOC 433: Research Methods in Demography. Basic measures and models used in demographic research. Sources and quality of demographic data. Rate construction, standardization, the life table, stable population models, migration models, population estimation and projection, measures of concentration and dispersion, measures of family formation and dissolution.

SOC 513: Demography and Ecology. Theories and research on human fertility, mortality, mobility, migration, and urbanization in social/economic context. Comparative and historical materials on Europe, the United States and the Third World.

SOC 534: Demographic Issues in Asia. Contemporary Asian countries face a number of issues with demographic components, including environmental and resource issues, ethnic rivalries, international migration, and public health. This seminar addresses a set of these issues by focusing on the demography of one or more countries in Asia.

SOC 539: Selected Topics in Demography and Ecology. Specialized problems in demography or ecology are covered; for example, migration, fertility, mortality, language, race and ethnic relations, metropolitan community.

SOC 569: Demographic Studies of Stratification Overview of development of models of socioeconomic achievement ("status attainment" paradigm) in the field of stratification. Begins with work of Blau and Duncan. Covers elaboration of basic models to include race and ethnicity, social psychological variables, class, school and labor market effects, and other structural variables.

SOC 583: Special Topics in Demography and Ecology. Examination of current topics in demography and ecology. Content varies according to recent developments in the field and the interests of the instructor.

GEOGRAPHY

GEOG 430: Contemporary Latin American Development. Contemporary development issues in Latin America, seen from a spatial perspective. Concept of development: competing theories as related to various Latin American states. Economic structural transformation, migration, urbanization, regional inequality, and related policies.

GEOG 431: Geography and Gender. Examines the theories and case studies across international, national, and regional scales in order to illustrate the impacts of social and economic processes upon the construction of gender in particular places.

GEOG 432: Population & Urbanization Problems of Russia and the Newly Independent States. Historical background and evolution of Soviet/Russian population and urbanization processes and problems. Distinguishing demographic characteristics and recent trends in the growth and migration of rural and urban populations. Analysis of problems associated with ethnicity and nationality, regional-temporal labor demand and supply issues, and spatial-temporal well-being.

GEOG 442: Social Geography. Review of concepts and methods of postwar social geography; historical roots and present orientations. Study of social spatial systems, their structures and functioning.

GEOG 445: Population Distribution and Migration. Relation of population distribution to environment, economic development, and culture. Frontier and rural settlement, urbanization, and suburbanization. Regional variation in age, ethnicity,

fertility, and mortality. Causes and effects of migration from the world to the local scale.

GEOG 478: Intraurban Spatial Patterns. Geographic patterns and processes within metropolitan areas. Economic land-use patterns (commercial and industrial location), social land-use patterns (segregation, housing, and neighborhood change), urban political geography, analysis of urban infrastructure, and assessment of contemporary and future trends in urban development.

GEOG 531: Latin American Development Seminar. Evolution of development theory in Latin America from a spatial perspective. Theories and development issues, using case studies from Latin America. How geographers have conceptualized development problems and solutions.

GEOG 542: Research Seminar: Social and Population Geography.

GEOG 577: Research Seminar: Internal Spatial Structure of Cities.

GEOG 580: Medical Geography. Geography of disease, consideration in health systems planning. Analysis of distributions, diffusion models, migration studies. Application of distance, optimal location models to health systems planning; emergency medical services; distribution of health professionals; cultural variations in health behavior.

GEOG 581: Seminar in Medical Geography. Research and methodologies in medical geography; critical analysis of readings in medical geography; interrelations of medical geography with (1) other geographical specialties, (2) other health sciences.

ECONOMICS

ECON: Economics of Gender. Microeconomic analysis of the sources of gender differences in earnings, labor force participation, occupational choice, education and consumption. Economic theories of discrimination, human capital, fertility and intrahousehold resource allocation. Economics of the family in the developed and developing countries.

ECON 443: Labor Market Analysis. Determinants of employment and incomes in the United States; analysis of individual and firm decisions and of equilibrium in the labor market. Topics include decisions to work and retire, education and occupa-

tion choices, compensation, discrimination, poverty, unemployment and unions. Examination of policy issues affecting the labor market.

ECON 444: Topics in Labor Market Analysis. In-depth analysis of special topics in the operation of labor markets and public policies affecting incomes and employment.

ECON 491: Issues in Economic Development. Examines major theories of economic development and the practical experience of developing countries.

ECON 541, 542: Labor Economics I, II. Theoretical and empirical analysis of the labor market. The determinants of labor supply and demand, human capital investment, the pattern of compensation, employment contracts and incentives, unemployment and labor market dynamics.

ECON 543: Population Economics. Economic determinants and consequences of population growth; emphasis on formal theoretical models and on empirical analysis. Introduction to: formal demography; welfare economics of population change, including analyses of population effects on consumption, savings, investment, and technical change; and determinants of mortality, fertility, and migration.

ECON 546: Health Economics. Theoretical and empirical models of the demand for health and health care; supply of health care from physicians and hospitals; government programs that subsidize health care; occupational health; cost-benefit analyses of preventive health care and new medical technologies.

ECON 547: Advanced Health Economics. Selected topics in health economics, including risk and insurance, medical malpractice, the market for physician services, and industry regulation.

ECON 591: Theoretical Issues in Economic Development. Analysis of issues in economic development with application to the less-developed countries of the world today.

ANTHROPOLOGY

ANTH 520: Ecology, Evolution, and Anthropological Theory. Critical examination of models and theories from evolutionary ecology, sociobiology, and ecological anthropology. Potential and actual utility of such models in explaining aspects of human social

behavior, cultural evolution, and cross-cultural variation in strategies of production and reproduction.

PHY A 473: Biological Adaptability of Human Populations. Mechanisms enabling humans to maintain homeostasis in extreme environments; high altitude, heat, cold, nutritional deficiency, radiation. Adaptive process operating at levels of physiology, metabolism and population, including the strategies of fertility and birth-spacing.

PHY A 476: Sociocultural Ecology and Health. Sociocultural ecology of health/disease, focusing on humans as bioculturally integrated beings and on populations as biocultural units of adaptation. Examples of research on disease (infectious, chronic) and patterns of morbidity and mortality (infant, maternal, old age) with particular attention to situations of sociocultural changes.

PHY A 482: Human Population Genetics. Micro-evolutionary changes in human populations. Effects of mutation, selection, inbreeding, gene flow, and genetic drift as causes of evolutionary change.

PHY A 484: Human Life Cycle. Human growth and physical/social development: fetal life to old age. Cultural, ecological, and evolutionary aspects of the life cycle-population differences in age and sex related to morbidity and mortality.

PHY A 568: Human Reproductive Ecology. A consideration of the determinants of fertility variation within and among traditional human societies. Biocultural and ecological perspectives on pubertal timing, nuptiality, duration of birth intervals, and reproductive senescence.

PHY A 569: Demographic Analysis in Biological and Social Anthropology. Demographic analysis relevant to anthropological research on small populations. Use of data collected through local surveys, genealogical methods, and from other sources. Focuses on the use of demography to analyze social and biological processes with adaptive and/or cultural-historical significance. Theoretical approaches to these processes are emphasized.

PHY A 584: Topics in Ecology and Adaptation. Seminar dealing with various aspects of ecology and adaptation. Topics vary each quarter.

STATISTICS

STAT 361, 362: Statistics for Social Scientists. Introduction to statistical methodology, measurement scales, design of surveys and experiments, descriptive statistics, exploratory data analysis, probability distributions, use of computer packages for statistical data analysis, point and interval estimation, hypothesis testing. Comparisons, two sample tests, nonparametric methods, measuring and testing association, correlation, simple linear and multiple regression, time series, multivariate data analysis, analysis of variance (ANOVA) and analysis of covariance (ANCOVA).

STAT 427: Introduction to Analysis of Categorical Data. Techniques for analysis of count data. Log-linear models, logistic regression, and analysis of ordered response categories, illustrations from the behavioral and biological sciences. Computational procedures.

STAT 428: Multivariate Analysis for the Social Sciences. Multivariate techniques commonly used in the social and behavioral sciences. Linear models for dependence analysis (multivariate regression, MANOVA, and discriminant analysis) and for interdependence analysis (principal components and factor analysis). Techniques applied to social science data using computer statistical packages.

STAT 536: Log-Linear Modeling and Logistic. Regression for the Social Sciences Log-linear modeling of multidimensional contingency tables. Logistic regression. Applications to social mobility, educational opportunity, and assortative marriage. Applied and computing focus.

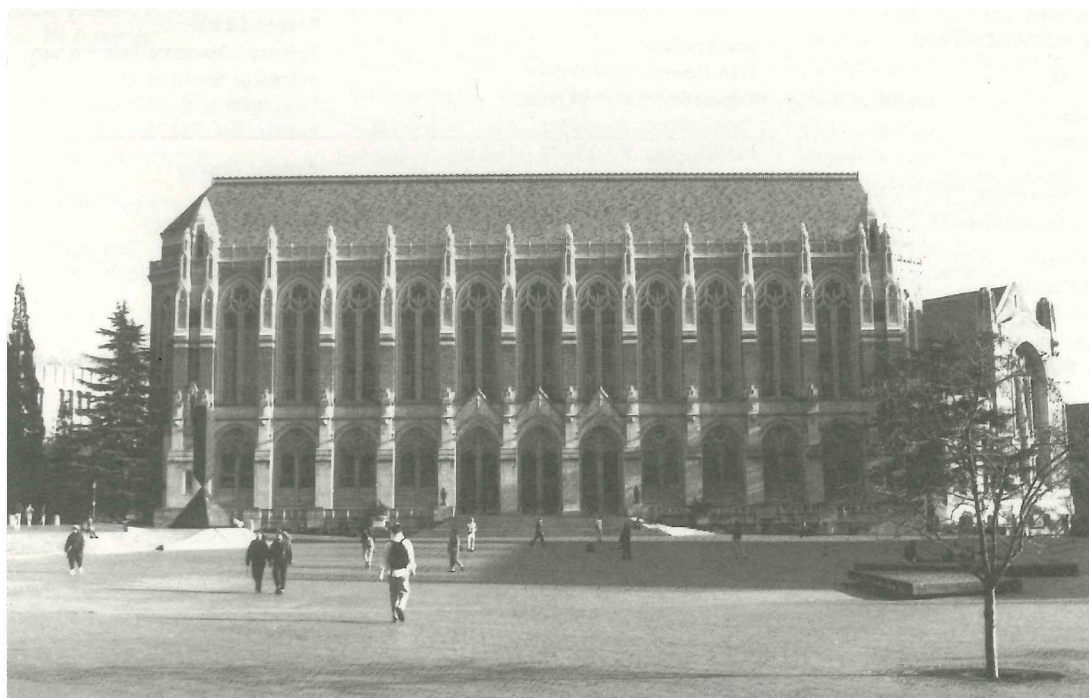
STAT 544: Bayesian Statistical Methods. Statistical methods on the idea of a probability distribution over the parameter space. Coherence and utility. Subjective probability. Likelihood principle. Conjugate families. Structure of Bayesian inference. Limit theory for posterior distributions. Sequential experiments. Exchangeability. Bayesian nonparametrics. Empirical Bayes methods.

STAT 576: Statistical Methods for Survival Data. Statistical methods for censored survival data. Covers parametric and nonparametric methods, Kaplan-Meier survival curve estimator, comparison of survival curves, log-rank test, regression models including the Cox proportional hazards model, competing risks.

PUBLIC AFFAIRS

PB AF 571, 572: Education, the Workforce and Public Policy. Two courses on policy issues involving education, training, the economy, and the development of the nation's human resources. Relationship between education, training, and work; underutilized workers; race and gender discrimination issues; the role of education/training in economic development.

PB AF 573: Topics in Education and Social Policy. Examines various issues of public importance in the areas of education and social policy. Focuses on in-depth analysis of relevant issues and the integration of the economic, administrative, and political dimensions of these issues. Recent offerings have examined women's work, families and public policy, and sexual orientation and public policy.



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Thang Nguyen

Mark VanLandingham

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William R. Grady, Senior Research Scientist

Jerald Herting, Research Scientist

Danka Kasprzyk, Research Scientist

Daniel Klepinger, Research Scientist

Dan Montano, Research Scientist

Koray Tanfer, Senior Research Scientist

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N. Nathan Harris, Student Office Assistant

Minhtam Nguyen, Student Library Assistant

Clay Calabrese, Student Computer Assistant

