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DEPARTMENT OF AGRICULTURAL  
AND RESOURCE ECONOMICS  
1990-1992  
PUBLICATIONS

DARE Information Report - IR:93-1

March 1993



DEPARTMENT OF AGRICULTURAL  
AND RESOURCE ECONOMICS  
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PUBLICATIONS

DARE Information Report - IR:93-1

Compiled by Nancy Cary

March 1993

**Colorado**  
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## PREFACE

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Publications  
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**DEPARTMENT OF AGRICULTURAL AND RESOURCE ECONOMICS**  
**Faculty and Affiliates**  
**1990 - 1992**

**CHAIR**

S. L. Gray (Ph.D., Washington State University, 1970), Natural Resource Economics,  
Environmental Economics and Regional Economics

**PROFESSORS**

N. L. Dalsted (Ph.D., Colorado State University, 1981), Farm Management and  
Agricultural Production Economics, Natural Resource Economics and  
Regional Economics

J. B. Eckert (Ph.D., Michigan State University, 1970), Economic  
Development, Agricultural Production Economics and Agricultural Policy Analysis

L. M. Hartman (Ph.D., North Carolina State University, 1960), Social Change,  
Economic Theory and Natural Resource Economics

P. C. Huszar (Ph.D., University of California, Berkeley, 1972), Natural Resource  
Economics, Environmental Economics and Regional Economics

D. W. Lybecker (Ph.D., Iowa State University, 1970), Farm Management and  
Agricultural Production Economics, Economic Theory and Economic Development

J. R. McKean (Ph.D., University of Washington, 1967), Microeconomic Theory,  
Regional and Natural Resource Economics and Econometrics

G. E. Radosevich (J.D., University of Wyoming, 1968), Agricultural, Environmental  
and Water Law Administration; Economic Development and Natural Resource  
Economics

R. K. Sampath (Ph.D., Indian Institute of Technology, 1975), Agricultural  
and Water Resource Economics, Public Policy Analysis and Economic  
Development

M. D. Skold (Ph.D., Iowa State University, 1963), Agricultural Production Economics,  
Agricultural Policy Analysis and Planning and Natural Resource  
Economics

R. L. Tinnermeier (Ph.D., University of Wisconsin, 1965), Economic Development,  
Farm Management and Agricultural Production Economics and Agricultural Finance

W. L. Trock (Ph.D., Montana State University, 1966), Agricultural Policy Analysis,  
Natural Resource Economics and Farm Management

R. G. Walsh (Ph.D., University of Wisconsin, 1961), Natural Resource  
Economics, Agricultural Marketing and Industrial Organization

F. E. Walters (Ph.D., University of Illinois, 1963), Agribusiness  
Economics, Agricultural Marketing and Economic Development

### ASSOCIATE PROFESSORS

S. P. Davies (Ph.D., Michigan State University, 1988) Agricultural Economics

P. H. Gutierrez (Ph.D., Oklahoma State University, 1985), Agricultural Economics  
and Production Economics

E. W. Sparling (Ph.D., University of Wisconsin, 1976), Natural Resource Economics,  
Farm Management and Agricultural Production Economics and Economic  
Development

W. P. Spencer (M.S., University of Nevada, 1963), Extension Economics,  
Agricultural Marketing and Economic Development

### ASSISTANT PROFESSORS

B. B. Bainbridge (Ph.D., Oklahoma State University, 1986), Agricultural Marketing and  
Extension Economics

J. A. Hall (Ph.D., Purdue University, 1989), Agricultural Marketing, Price Analysis,  
Agribusiness

### EMERITUS PROFESSORS

J. H. Lewis (Ph.D., Ohio State University, 1960), Agricultural Finance, Agricultural  
Marketing and Natural Resource Economics

A. G. Madsen (Ph.D., University of Illinois, 1962), Agricultural Marketing, Industrial  
Organization and Economic Development

K. C. Nobe (Ph.D., Cornell University, 1959), Natural Resource Economics, Public  
Policy Analysis and Economic Development

R. D. Rehnberg (Ph.D., Purdue University, 1950), Agricultural Economics, Agricultural  
Policy Analysis and Economic Development

J. H. Winn (Ph.D., Texas A&M University, 1955), Extension Economics, Agricultural  
Marketing and Public Policy Analysis

R. A. Young (Ph.D., Michigan State University, 1963), Natural Resource Economics,  
Agricultural Production Economics and Public Policy Analysis

### EMERITUS ASSOCIATE PROFESSORS

S. K. Oakleaf (M.A., Colorado State University, 1972), Economics, Community  
Development and Public Policy Analysis, Natural Resource Economics and Farm  
Management

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**I. BOOKS AND CHAPTERS IN BOOKS**

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Sampath, R.K., "Improved Criteria for Evaluation of Public Investment." Bhagvan Dahiya ed., Chapter 13, Vol. 5, Theoretical Foundations of Development Planning. New Delhi: Vedam Books International, 1991. With K.C. Nobe.

Sampath, R.K., "Introduction: Social, Economic, and Institutional Aspects of Irrigation Management." R.K. Sampath and R.A. Young, eds., Social, Economic, and Institutional Issues in Third World Irrigation Management. Boulder: Westview Press, 1990.

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Sparling, E.W., "Asymmetry of Incentives and Information: The Problem of Watercourse Maintenance." R.K. Sampath and R.A. Young, eds., Social, Economic and Institutional Issues in Third World Irrigation Management. Boulder: Westview Press, 1990.

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Walsh, R.G., "Empirical Evidence on Benefits of Protecting Old Growth Forests and the Spotted Owl." Appendix B, Economic Analysis of Designation of Critical Habitat for the Northern Spotted Owl. Fish and Wildlife Service, U.S. Department of the Interior, Washington, D.C., 1991.

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Davies, S.P., "The Entrepreneurial Capabilities of Village Rattan Furniture Makers in Central Java, Indonesia: A Framework and Case Study." Entrepreneurship and Regional Development, Vol 3, 1991.

Davies, S.P., "Promoting Tailors and Dressmakers in Egypt with Indirect Interventions." The Journal of Development Studies. (Forthcoming)

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Sampath, R.K., "Farm Size and Land Use Efficiency in Pakistan's Agriculture." Pakistan Development Review, Vol. 30, no. 3, Autumn 1991. (With W. Jehangir.)

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- Sanders, L.D., "Comparable Estimates of the Recreational Value of Rivers." Water Resources Research, 27(7), 1991. (With R.G. Walsh and J.R. McKean.)
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- Skold, M.D., "The Economic Threshold for Grasshopper Control on Public Rangelands." Journal of Agricultural and Resource Economics, Vol. 17, no. 1, 1992. (With R.M. Davis, J.S. Berry, and W.P. Kemp.)
- Skold, M.D., "Typical Farm Theory in Agricultural Research." Journal of Sustainable Agriculture, Vol. 2, 1991. (With D. Feuz.)
- Sparling, E.W., "Assessing Strategies for Control of Irrigation Induced Salinity in Upper Colorado River Basin: Reply." American Journal of Agricultural Economics, 72(2), May 1990. (With R.A. Young and R.L Gardener.)
- Walsh, R.G., "Benefit Transfer of Outdoor Recreation Demand Studies, 1968-1988." Water Resources Research, 28(3), 1992. (With D.M. Johnson and J.R. McKean.)
- Walsh, R.G., "The Consumptive Value of Travel Time on Recreation Trips." Journal of Travel Research, 29(1), 1990. (With L.D. Sanders and J.R. McKean.)
- Walsh, R.G., "Effect of Price on Forecasts of Participation in Fish and Wildlife Recreation." Journal of Leisure Research, 24(2), 1991. (With J.R. McKean, K.H. John, and J.G. Hoff.)
- Walsh, R.G., "Estimating the Public Benefits of Protecting Forest Quality." Journal of Environmental Management, 30(2), 1990. (With R.D. Bjonback, R.A. Aiken and D.H. Rosenthal.)
- Young, R.A., "Aggregate Marginal Returns from Western Irrigated Agriculture: Discussion." Water Resources Bulletin, 24(6). (With N.K. Whittlesey and W.E. Martin.)
- Young, R.A. and M.A. Chaudhry, "Privatizing Public Irrigation Tubewells in Pakistan: An Appraisal of Alternatives." Pakistan Development Review, Spring 1990.
- Young, R.A. and M.A. Chaudhry, "Valuing Irrigation Water in Punjab Province, Pakistan: Linear Programming Approach." Water Resources Bulletin, Vol. 25, no. 5, Oct., 1989. Reprinted in Water Resources Journal, Sept. 1990.

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Bainbridge, B.B., "Marketing for Low Input Livestock Operations." Proceedings, 1990 Lowering Beef Production Costs National Conference, Fort Collins, CO, Oct. 5-6, 1992.

Dalsted, N.L., "Buying Versus Raising Replacement Heifers: Economics Issues." Proceedings of Bull and Replacement Heifer Workshops, Agricultural Experiment Station and Cooperative Extension, Colorado State University, Ft. Collins, CO, Feb. 1990.

Dalsted, N.L. "An Economic View of Comparable Tillage Practices." Proceedings of Third Annual Conference of the Colorado Conservation Tillage Association. Greeley, Colorado. February 1991.

Dalsted, N.L. "Evaluating the Profitability of the Cowherd." Proceedings of Colorado Veterinary Medical Association. September 1992.

Dalsted, N.L., "Farm/Ranch Management Tools--An Integrated Approach." Proceedings, 3rd International Conference on Computers in Agricultural Extension Programs, University of Florida, Institute of Feed and Agricultural Sciences, Feb. 1990.

Dalsted, N.L., "Process of Identifying Cost Reduction Practices." Proceedings of the National Conference on Lowering Beef Cattle Production Costs, Fort Collins, CO, Oct. 5-6, 1990.

Dalsted, N.L. "Standardized Performane Analysis for the Cow-Calf Prducer." Proceedings of Colorado Veterinary Medical Association, September 1992.

Eckert, J.B., "Effects of Irrigation Water Supply Variations on Limited Resource Farm Operations in Conejos County," Proceedings, Colorado Water Engineering and Management Conference, Colorado State University, Fort Collins, CO, Feb. 1991. (With E. Wang.)

Gutierrez, P.H., "Buying Versus Raising Replacement Heifers--Tax and Economic Issues." Proceedings of the 1991 Nebraska Cattlemens' Replacement Heifer Clinics, Department of Animal Sciences, University of Nebraska, Nov. 1991.

Gutierrez, P.H., "Contrasts and Commonalities: Hispanic and Anglo Farming in Conejos County, Colorado." Proceedings, 1990 Annual Meeting of the Rural Sociological Society, Norfolk, VA, August 1990. (With J.B. Eckert.)

Gutierrez, P.H., "Evaluating the Profitability of the Cowherd: Basics of Financial Record Keeping." Proceedings of the Range Beef Cow Symposium XII, Fort Collins, CO., Dec. 3-5, 1991.

Huszar, P.C., "Economics of Wind Erosion Control." Proceedings of International Wind Erosion Workshop of GIGR, Budapest, Hungary, Sept., 10-12, 1991.

Huszar, P.C., "Government Incentives and Subsidies for Soil and Water Conservation in West Java." Proceedings of International Workshop on Conservation Policies for Sustainable Hillslope Farming, Solo, Indonesia, Mar. 11-15, 1991.

Walsh, R.G., "Comment on Measuring Use and Nonuse Values for Landscape Amenities: A Contingent Behavior Analysis of Gypsy Moth Control." Proceedings, Association of Environmental and Resource Economists, Annual Meeting, New Orleans, Jan. 1992.

Walsh, R.G., "Effect of Travel Cost on Forecasts of Demand for Fish and Wildlife Recreation." Proceedings of the National Outdoor Recreation Trends Symposium III, Indiana University, Bloomington, March 1990. (With J.R. McKean, K.H. John, and J.G. Hof.)

Walsh, R.G., "Theories, Techniques and Preliminary Estimates of Future Economic Values of Wilderness." Proceedings, National Conference on the Economics of Wilderness, Forest Service, USDA, Jackson Hole, WY, May 1991. (With J.B. Loomis.)

Walters, F.E., "Measuring and Monitoring Economic Progress of the Food and Fiber System in Pakistan." Global Agribusiness for the 90's, Proceedings: International Agribusiness Management Association Inaugural Symposium, Mar 3-5, 1991. (With M. Ali.)

Young, R.A., "Economics of Optioning Agricultural Water Rights for Urban Use For Use During Drought." Proceedings, Seminar on Water Allocation and Transfer in a Maturing Water Economy, University of New England, NSW, Australia, July 1990. (With A. Michelsen.)

Young, R.A., "An Integrated Hydrologic, Economic, Legal Model of the South Platte Stream Aquifer Systems." Proceedings, Colorado Water Engineering and Management Conference, Denver, CO, March 1990. (With J. Booker.)

Young, R.A., "Managing Aquifer Overexploitation: An Economic and Policy Analysis." Preconference Proceedings, International Association of Hydrogeologists, 23rd Annual Congress: Aquifer Overexploitation, Puerto de la Cruz, Spain, April 1991.

Young, R.A., "The Role of Tributary Graoundwater in Irrigated Crop Production in the South Platte Basin: Results from a Survey." Proceedings, Colorado Water Engineering and Management Conference, Denver, CO, Feb. 1991. (With R.G. Taylor.)

Young, R.A., "Some Economic Impacts of Rural to Urban Water Transfers." Proceedings, Seminar on Water Allocation and Transfer in a Maturing Water Economy, University of New England, NSW, Australia, July 1990. (With R. G. Taylor.)

#### IV. UNIVERSITY PUBLICATIONS

Dalsted, N.L. "Costs and Returns on Colorado Dairy Farms." Colorado State Cooperative Extension. Misc. no. XCM148. Fort Collins, Colorado. January 1991.

Dalsted, N.L., Custom Rates for Colorado Farms and Ranchers, 1988-89, XCM-58, Colorado State University Cooperative Extension, Fort Collins, CO, June 1990.

Gutierrez, P.H., Colorado Integrated Resource Management (IRM) Program: A Summary of the First Five Years. Agricultural Experiment Station and Cooperative Extension, Colorado State University, Fort Collins, CO, Oct. 1990. (With N.L. Dalsted.)

McKean, J.R., Increased Recreational Hunting Can Offset Negative Economic Impacts of the Conservation Reserve Program. Colorado Agricultural Experiment Station, Colorado State University, Fort Collins, CO, 1992. (With R.L. Johnson and C.L. Sandretto.)

McKean, J.R., Valuing Time in Travel Cost Demand Analysis by Visitors to Blue Mesa Reservoir. Colorado Water Resources Research Institute, Technical Report No. 58. Colorado State University, Fort Collins, CO, June 1991. (With R.G. Walsh and D.M. Johnson.)

Miller, T.A., Colorado's Farm and Food System: Farm and Agribusiness Contributions to the Colorado Economy. Bulletin 551A, Agricultural Experiment Station and Cooperative Extension, Colorado State University, Fort Collins, CO, March 1991. (With S.L. Gray and W.L. Trock.)

Skold, M.D., Costs and Returns of Colorado Dairy Farms. Colorado State University Cooperative Extension, Fort Collins, CO, 1991. (With R.C. Thompson, N.L. Dalsted, and D. Jordan.)

Skold, M.D., Typical Farm Theory in Agricultural Research. Economics Staff Paper, Economics Department, South Dakota State University, No.90-6, 1990. (With D. Feuz.)

Young, R.A., Economics of Alternative Water Allocation Institutions in the Colorado River Basin. Colorado Water Resources Research Institute Completion Report 161, Colorado State University, Fort Collins, CO, August 1991. (With J.F. Booker.)

## V. CONTRACT AND CONSULTING REPORTS

Davies, S.P., PASM: The Pakistan Agricultural Sector Model: A Linear Programming Sector Model. USAID/Pakistan and RONCO/ACSCA, June 1991.

Davies, S.P., A Simulation Study of the Fertilizer Industry in Pakistan Using PASM. USAID/Pakistan and RONCO/ACSCA, August 1991.

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Eckert, J.B., Toward a Democratic Economy in South Africa: An Approach to Economic Restructuring. Special Policy Report, Development Bank of Southern Africa, May 1992. (With L. van Niekerk and Nick Vink.)

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Huszar, P.C., Economic Impact Analysis of the Upland Agriculture and Soil Conservation Project. Prepared for Development Alternatives, Inc., for USAID/Jakarta. January 24, 1992.

Huszar, P.C., Recommendations for Economic Impact Analysis of the Upland Agriculture and Soil Conservation Project. Prepared for Development Alternative, Inc. for USAID/Jakarta. January 18, 1991.

Lybecker, D.W., Estimation of Farm Income by Enterprise, Size, and Region, for Sind Province, 1983-88. Report to Pakistan Economic Analysis Network Project, Islamabad, Pakistan, 1990. (With A. Mubarik.)

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Madsen, A.G., Annual Workplan of the CORE Project, Agricultural Development Support Program. USAID/Republic of Yemen/CID. June 1990. (With others.)

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McKean, J.R., A Compendium of Selected Company Characteristics for Six Industries Selling to Non-Consumptive Wildlife Markets: Fish and Wildlife Diversity Initiative. Contract Report for the International Association of Fish and Wildlife Service, U.S. Fish and Wildlife Service, 1992.

McKean, J.R., Development of a Cross-Firm Data Base for Rural Telephone Demand Analysis. Consulting Report, National Bank for Cooperatives, Denver, CO, 1990.

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