

CURRICULUM VITAE

Darrell L. Hueth

- I. I have read the following and certify that this curriculum vita is a current and accurate statement of my professional record.

Signature_____ Date_____

I. Personal Information

Name: Darrell L. Hueth

Professional Address: Department of Agricultural and Resource Economics
University of Maryland
College Park, Maryland 20742-5535

Educational Background:

Ph.D. - University of California, Berkeley, 1974 (Agric. Econ.)

M.S. - Montana State University, 1969 (Agric. Econ.)

B.S. - Montana State University, 1959 (Accounting)

II. Positions Held

Professor, University of Maryland, College Park, Department of Agricultural and Resource Economics, 1984-Present.

Professor Titular, Universidad de Los Andes, Bogotá, Colombia, 1997-Present.

Visiting Professor, The University of the Andes, Bogotá, Colombia, 1992-1997.

Acting Director, Center for Public Issues in Biotechnology, Maryland Biotechnology Institute, University of Maryland, 1990-91.

Professor and Chairman, Department of Agricultural and Resource Economics, University of Maryland, 1984-92.

Professor, Department of Agricultural and Resource Economics, Oregon State University, 8/80-10/84.

Energy Economist, University of California, Lawrence Livermore Laboratory, 8/79-8/80.

Visiting Associate Professor, University of California, Berkeley, Department of Agricultural & Resource Economics, 7/78-7/79.

Associate Professor and Chairman, University of Rhode Island, Department of Resource Economics, 7/75-7/78.

Assistant Professor, University of Rhode Island, Department of Resource Economics, 5/74-7/75.

Instructor, University of Rhode Island, Department of Resource Economics,
7/73-5/74.

III. Publications

1. Articles in refereed journals,

Fernando Carriazo, Darrell Hueth and Eduardo Uribe. "Modelo de Autoselección para la Migración de Trabajadores Hacia la Región Central Cafetera de Colombia". Ensayos sobre Economía Cafetera. Año 15 No 18. (Enero-Diciembre 2002) Federación Nacional de Cafeteros de Colombia. pp 91-101

Hueth, Darrell and Juan Carlos Mendieta, "Sobre el Uso de Espacio Abierto Urbano: Un Estudio Caso de Las Sierras del Chicò", Desarrollo y Sociedad, 46 (Septiembre 2000) 145-195. (The Economics of Urban Open Space: A Case Study of Las Sierras of Chico)

Hueth, D., "Porquè Tenemos Problemas Ambientales," Desarrollo y Sociedad, Centro de Estudios sobre Desarrollo Económico, Universidad de Los Andes, Bogotá, Colombia, Marzo 1993, No. 31, 77-90.

Just, R. and D. Hueth, "Multimarket Exploitation: The Case of Biotechnology and Chemicals," American Journal of Agricultural Economics, 75 (November 1993): 936-945

Hueth, D. and R. Just, "Policy Implications of Agricultural Biotechnology," American Journal of Agricultural Economics, 69(2) (May 1987): 426-431

Carter, C., D. Hueth, J. Mamer, and A. Schmitz, "Agricultural Labor Strikes and Farmers' Income," Economic Inquiry, 25(2) (January 1987): 121-133

Hueth, D. and E. Strong, "A Critical Review of the Travel Cost, Hedonic Travel Cost and Household Production Models for Measurement of Quality Changes in Recreational Experiences," Journal of Agricultural and Resource Economics 13(2) (October 1984): 187-198

Carter, C., D. Hueth, J. Mamer, and A. Schmitz, "Labor Unions and the Price of Lettuce." Western Journal of Agricultural Economics, 6(2) (1981): 1-14

Just, R. and D. Hueth, "Welfare Measures in a Multimarket Framework," American Economic Review, 69(5) (December 1979): 947-954. Reprinted in *Welfare Economics*. W.J. Baumol, C.V. Starr, C.A. Wilson, eds., Cheltenham, UK: Edward Elger Publ Ltd, 2000.

Hueth, D. and V. Norton, "Distributional Implications of Extended Fisheries

Jurisdictions', Some Research and Policy Issues: Discussion," American Journal of Agricultural Economics, Proceedings Issue, 1977

Hueth D. and U. Regev, "Optimal Agricultural Pest Management with Increasing Pest Resistance," American Journal of Agricultural Economics, August, 1974

Hueth, D. and A. Schmitz, "International Trade in Intermediate and Final Goods: Some Welfare Implications of Destabilizing Prices," Quarterly Journal of Economics, August, 1972

2. Books, books edited, chapters in books

Just, R.J., D.L. Hueth and A. Schmitz, (2004) The Economics of Public Policy: A Practical Guide to Policy and Project Evaluation, Edwin Elgar Press, Cheltenham UK.

Hueth, Darrell L. and Juan Carlos Mendieta L. "Valoración Ambiental: La Teoría y la Práctica." (In progress, Drafts of 14 chapters completed, 5 revised). (Environmental Valuation: Theory and Practice)

Book Review, European Review of Agricultural Economics (1999). Penson, Jr., J.B., O. Capps, Jr. and C.P. Rosson III, Introduction to Agricultural Economics, 2nd ed., Prentice Hall, Upper Saddle River, New Jersey, (1999), ISBN: 0 13 901190 0, 572 pp.

Hueth, D. and H. Furtan, "Introduction and Overview of Agricultural Crop Insurance," Chapter 1 in Agricultural Crop Insurance: Issues, Theory, and Evidence, Kluwer Academic Publishers, Dordrecht, The Netherlands, 1993

Hueth, D. and H. Furtan, eds., Agricultural Crop Insurance: Issues, Theory, and Evidence, Kluwer Academic Publishers, Dordrecht, The Netherlands, 1993

Hueth, D., S. Kung, and R.R. Colwell, "The Effects of Emerging Biotechnologies on Plant and Animal Agriculture: A Viewpoint," Chapter 14 in Biotechnology - Economic and Social Aspects: Issues for Developing Countries, Cambridge University Press, E.J. Da Silva, G. Ratledge, and A. Sasson, eds, 1992.

Hueth, D., E. Strong, and R.D. Fight, "Sport Fishing: A Comparison of Three Indirect Methods for Estimating Benefits," U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station, (1988), 99p.

Hueth, D. and A. Schmitz, "Rates of Return to Research from Joint Investment: Public and Private," Chapter 6 in Economics of Agricultural Research in Canada, The University of Calgary Press; Calgary, Alberta, Canada, (1985): 87-100

Just, R., D. Hueth, and A. Schmitz, Applied Welfare Economics and Public Policy, Prentice-Hall, Inc., Englewood Cliffs, NJ, 1982

Strand, I. And D. Hueth, "Optimal Investment and Transfers in a Multispecies Fishery: An Operational Statement," in Economic Impacts of Extended Fisheries Jurisdiction, L.G. Anderson, ed., Ann Arbor, Michigan: Ann Arbor Publishers, Inc., (1977): 331-348.

Cummings, R., D. Hueth, and H. Lampe, "Managing Water Resources for Irrigation and Lagoon Control in Northwest Mexico," Chapter 5 in Water Resources Management in Latin America, Baltimore, Maryland, Johns Hopkins University Press, (1977): 89-130.

3. Bulletins and Reports and Working Papers

Medaglia, Andrés, Juan Carlos Mendieta, Jorge Sefair and Darrell Hueth, (2005) "A Multiobjective Model for the Evaluation and Timing of Public Enterprise Projects, to be submitted to Socio-Economic Planning Sciences, Elsevier.

Carriazo, Fernando, Darrell Hueth and Eduardo Uribe, "The Profile of Coffee Collectors in Colombia and An Analysis of Coffee Collector Productivity," Under Review at Ensayos sobre Economía Cafetera (2002)

Carriazo, Fernando, Darrell Hueth and Eduardo Uribe, "A Model of Migratory Labor for Coffee Collectors in Colombia," Draft - Working Paper July 2001.

Carriazo, Fernando, Darrell Hueth and Eduardo Uribe, "A Model of Migratory Labor for Coffee Collectors in Colombia," Report Submitted to the Coffee Federation of Colombia, August, 2000.

Hueth, D., "Valoración Económica de las Sierras del Chico," Informe Final, Centro de Estudios Sobre Desarrollo Económico, Uniandes, Bogotá, Colombia, 1998. (The Economic Valuation of the Sierras of Chico)

Hueth, D., "Evaluación Económica del Plan Maestro de Acueducto y Alcantarillado de Pereira," Informe de Acuralización, Centro de Estudios Sobre Desarrollo Económico, Uniandes. Bogotá, Colombia, 1998. (An Economic Evaluation of the Water Supply System and Waste Water Treatment System of Pereira)

Hueth, D., "An Evaluation of the Use of Subsidies as a Mechanism to Achieve Efficient Resource Allocation in Upland Watersheds," Environmental Protection Division, InterAmerican Development Bank, 1995.

Hueth, D., "The Effects of Emerging Biotechnologies on Maryland Agriculture," Proceedings of the Governor's Conference on the Future of Maryland Agriculture, Baltimore, Maryland, (November 10-11, 1988): 31-36.

Hueth, D. "Integrated Pest Management and Nonchemical Alternatives in EPA's Analysis of Pesticide Benefits," Final Report submitted to Office of Policy Planning and Education, US-EPA, June 14, 1986.

Hueth, D., "Mitigation and Enhancement Project Evaluation Procedures for Salmon and Steelhead Fish Runs on the Columbia River System," Proceedings of the National Marine Fisheries Service Workshop on Methods for Economic Evaluation of Fishery Management Decisions, 1985.

Hueth, D. and E. Strong, "Measuring Benefits of Outdoor Recreation Services: An Application of the Oregon Steelhead Sport Fishery," Final Report to USFS Pacific Northwest Forest and Range Experiment Station, Portland, Oregon, 1983.

Hueth, D. and E. Strong, "Estimating the Effects of Forest Management Activities on the Recreational Values of Forest Streams," Final Report to the USFS Rocky Mountain Forest and Range Experiment Station, Ft. Collins, Colorado, May 1983.

Hueth, D., "Estimating Benefits from Gypsy Moth Suppression Programs in Rural and Urban Areas," Final Report to the Office of Pesticide Programs, Environmental Protection Agency, 1982.

4. Abstracts and other professional papers presented

Hueth, D, (2004) “Cómo podemos trabajar exitosamente en Economía Ambiental” Conferencia, Foro de Estudiantes de Economía, escuela Colombiana de Ingeniería, Bogotá, Colombia

Hueth, D., 2003“Environmental Policy in Latin America: Working in the World of the Second Best,” Invited Address to the Latin American Environmental Association.

Hueth, D., “A Proposed Coffee Research Agenda for Central America and Southern Mexico,” Invited presentation to: “Conference on the Future for Coffee in Southern Mexico,” Veracruz, Mexico, August, 2000.

Hueth, D., “Valoración Económica de las Sierras del Chico,” Centro de Estudios Sobre Desarrollo Economico, Uniandes, Diciembre, 1997. (The Economic Valuation of the Sierras of Chico)

Hueth, D., “On the Interpretation of Economic Surpluses,” seminar, Centro de Estudios Sobre Desarrollo Economico, Uniandes, Noviembre, 1997.

Hueth, D., "The GREAN Initiative – A New Research Opportunity for Latin America," Keynote Speaker, Annual Meeting of Colombian National Agricultural Research Corporation, March 1996.

Hueth, D., "Economic Sustainability and Ecological Sustainability," invited presentation, Caracas Venezuela, July 1996.

Hueth, D., "Considerations in Accounting for Resource Depletion in Latin America," presentation to the Department of National Planning, Government of Colombia, Bogota, Colombia, October 1, 1994.

Hueth, D., "Policy and the Environment in Latin America," presentation to the InterAmerican Defense College, Washington, DC, February 1994.

Hueth, D. and F. Smith, "Rational Fisheries Management an Opportunity for South America," presented at Universidad Catolica de Valparaiso, Chile, January 1984.

Hueth, D., "Economics and Marine Resources Research," presented at Universidad Catolica de Valparaiso, Chile, December 20, 1984.

Hueth, D., "Welfare Considerations in the Development of a Joint Venture Policy," proceedings of the Alaska Sea Grant Report No. 83-2, University of Alaska, (January 1983): 461-473.

Hueth, D., and E. Strong, "An Application of the Household Production Function Approach to the Oregon Steelhead Sport Fishery," Abstract, Western Journal of Agricultural Economics, 8 (1983): 2.

Hueth, D., "On Informational Needs for Developing Joint Recreational and Commercial Fisheries Bioeconomic Models," Western Association for the Valuation of Ecosystems, Friday Harbor, Washington, October 7-10, 1982.

Hueth, D., S. Voohees and R. Casagrande, "Estimating Benefits of Controlling Nuisance Pests: An Application of the Iterative Bidding Technique," Abstract, American Journal of Agricultural Economics, 63(1981).

Hueth, D., R. Sandrey and R. Oliveira, "A Dynamic Economic Analysis of Elk Management," presented at the Oregon Academy of Science Meeting, Portland, 1981.

Hueth, D., R. Sandrey and R. Oliveira, "Economic Management of Elk Concurrent with Grazing and Timber Harvesting," presented at the Pacific Northwest Regional Economic Conference, Boise, Idaho, 1981.

Hueth, D. and B. McCarl, "Issues Involved in Modeling Water Resource Allocation in

the Columbia River Basin," presented at the Annual Pacific Northwest Economic Conference, Boise, Idaho, May 1981.

Hueth, D., "Some Results Concerning the Influence of Increasing Pest Resistance to Malathion on the Optimal Management of the Cereal Leaf Beetle," Abstract, American Journal of Agricultural Economics, December 1974.

IV. Awards and Honors

Medaglia, Andrés, Juan Carlos Mendieta, Jorge Sefair and Darrell Hueth, (2005) "A Multiobjective Model for the Evaluation and Timing of Public Enterprise Projects, to be submitted to Socio-Economic Planning Sciences, Elsevier. Selected by the University of Los Andes for submission to the St. Gallens University (Switzerland) International Research Competition.

Just, R., D. Hueth and A. Schmitz, Publication of Enduring Quality - presented by the American Agricultural Economics Association, for Applied Welfare Economics and Public Policy, 1994.

Just, R. and D. Hueth, Outstanding Journal Article Honorable Mention - presented by the American Agricultural Economics Association, for "Multimarket Exploitation: The Case of Biotechnology and Chemicals," 1994.

Chairperson: Outstanding M.S. thesis, American Agricultural Economics Association, Mario Niklickick, 1986.

Chairperson: Honorable Mention Outstanding M.S. thesis, American Agricultural Economics Association, Elizabeth S. Strong, 1984.

Chairperson: Outstanding Doctoral Dissertation Award, American Agricultural Economics Association, Nancy E. Bockstael, 1977.

Honorable mention, Outstanding Doctoral Dissertation Award, American Agricultural Economics Association, 1973.

V. Special Recognitions and Achievements

Keynote Address – First Latin American and Caribbean Congress of Environmental and Resource Economists – Cartagena de Indias, July 9-11th, 2003.

Fellow - Institute of Ecological Economics, 1991-.

"The Economics of Agricultural Biotechnology," Invited Paper Session ASSA-AAEA annual meetings, Organizer and Chairman, December 1986.

Chairman, invited paper session on relevant duality AAEA - Western Agricultural Economics Association Meetings, 1982.

Chairman, contributed papers for Allied Social Sciences Association Meeting, 1982.

Montana State University Hall of Fame - 1987.

Montana High School Coaches Association - Class AA & AAA Football Coach of the Year - 1967.

Who's Who in American Colleges and Universities - 1959.

Captain - Montana State University Football Team - 1959.

VI. Editorships, Editorial Boards, and Reviewing Activities for Journals

Co-editor of Western Journal of Agricultural Economics, 1982-84.

Board of Directors, American Association of Environmental Resource Economists, 81-84.

Reviewing activities for journals

American Journal of Agricultural Economics
Land Economics
Southern Journal of Agricultural Economics
Journal of Environmental Economics and Management
American Economics Review
U.S. Sea Grant Association

VII. Contracts and Grants

United States Department of Agriculture, "The Economics of Alternative Agricultural Crops in Colombia," \$105,000, 2000-2004

Coffee Federation of Colombia, "Modeling Migratory Labor in the Colombian Coffee Harvest." \$15,000, 2000.

Uniandes/Maryland Competitive Grant, "A Discrete Choice Model of Migratory Labor in

the Colombian Coffee Harvest,” \$16,000, with Eduardo Uribe, 2000.

MAES/MCES Competitive Grant, “The Role of Agricultural Prices In The Asymmetry of Aggregate Price Changes,” \$15,000, with Carlos Felipe Jaramillo, 1997.

Uniandes/Maryland Competitive Grant, “Pesticide Regulation in the Andean Region of Colombia,” with Jesus Emilio Peinado, \$5000, 1997.

Uniandes/Maryland Competitive Grant, “Computable General Equilibrium Model for Colombia with Disaggregated Agricultural Sector”, with Tito Yepes and Carlos Felipe Jaramillo, \$11,250, 1996.

MacArthur Foundation - for collaboration on environmental economics with the University of the Los Andes, Bogota, Colombia, \$120,000, 1994.

Economics of Crop Insurance - Maryland Department of Agriculture, \$30,000, 1989.

Economics of Crop Insurance - United States Department of Agriculture, \$30,000, 1989.

Project Leader, Fulcum Award (IBM-PCAT and support items), \$5,000, 1986.

Measuring and Valuing Aggregate Externality Impacts of Alternative Agricultural Practices, USDA, ERS, NRED, \$16,525, 1985.

An Evaluation of the Rouge River of Oregon and White Water Recreation, Oregon Water Resource Institute, \$13,000, 1983.

Analyses of the Market Shares of the International Trade in Agricultural Products, USDA Cooperative Agreement, \$20,000, 1983.

An Economic Evaluation of Aroga Moth Control on Range Lands, Oregon State University Research Foundation, \$5,000, 1982.

An Evaluation of Research Needs in Electrical Power Usage by U.S. Agriculture, Electrical Power Research Institute, \$5,000, 1982.

VIII. Instruction

Courses taught during last seven years

University of Maryland

AREC 433 Agricultural Policy, Fall 1996, 1997, 1998, 1999, 2000, 2001, 2002
Evaluation 2003 – 4.16

AREC 240 **Introduction to Economics and the Environment, Fall 1993, 1994, 1995, 1996, 1997, 1999, 2000, 2001, 2002 Evaluation 2004 - 3.70**

AREC 689P **The Economics of Conservation Biology, Fall 2004, 4.28**

AREC 689K Economics of Conservation Biology - organized new course (1994),
taught Spring 1995.

AREC 689(e) Optimization in Agricultural and Resource Economics, Fall 1986, 1987,
1988, 1989.

AREC 852 Advanced Natural Resource Economics, 3 students, Spring 1985.

The University of the Andes

Seminario Uno (research methods) Spring 1997, 1998, Evaluation 95%.

Economía del Bienestar (Welfare Economics) Spring 1995, 1996, 1997, 1998, 2000, 2001, 2002, 2003, 2004- Evaluation 4.7 out of 5 – Category-Superior.

CICLO AVA Topics in Natural Resource and Environmental Econ (1/3) 1995.

Oregon State University

AREC 539 Welfare Economics - Spring 1984, 1983, 1982, 1981.
AREC 536 Demand Analysis - Fall 1983.
AREC 535 Production Economics - Fall 1982, 1981.
AREC 531 Microeconomic Theory - Fall 1980.

Workshops and Seminars

University of Costa Rica and the Department of National Planning, November 1997, “Theory and Methods of Nonmarket Valuation,” One Week Workshop.

National University of Uruguay, June 1997, “Theory and Methods of Nonmarket Valuation,” One Week Workshop.

Center of Economic Development of Paraguay, June 1996, “Theory and Methods of Nonmarket Valuation,” One Week Workshop.

IX. Supervision of Student Research

Universidad de los Andes (Ma – Major Prof., M – Member of Committee)

Elisabeth Alvarez Lozano 2002
Javier Tomas Blanco (M) 1998
Rocio Del Pilar (Ma) 1997
Jesus Emilo Peinado (M) 1997
Aurelio Ramos (M) 1997
Jeffrey Wielgus Yanovich (M) 1997
Carlos Humberto Zambrano (Ma) 1998
Diana Margarita Hernandez (Ma) 1998
Ramiero Guerrero (Ma) 1998
Victor Bullon Garcia (M) 1997
Dora Isabel Herrador (M) 1997

University of Maryland

Osang Kwan (M) 1996
Sinaia Netanyahu (M) 1998
Member of two graduate committees, 1993

Oregon State University

Theses Chaired: Ian Lewrandrowski, 1984
Mario Niklickick, 1985
Elizabeth S. Strong, 1982

University of Rhode Island

Chaired M.S. committee: Steve Voorhees, 1979.
Chaired Ph.D. committee: Ivar Strand, 1975
Nancy Bockstael, 1976
Served as a member of numerous Ph.D. and Masters committees.

X. Service

1. Professional, public

a. Organization memberships:

Institute for Ecological Economics
American Agricultural Economics Association
American Economics Association
American Association of Environmental Resource Economists
Western Agricultural Economics Association
Northeastern Association of Agricultural and Resource Economics
Congress of Latinamerican and Caribbean Agricultural Economists
Colombian Agricultural Economics Association
Latin American Econometric Society

b. Organization membership offices held:

Chairman, research awards committee, Western Agricultural
Economics Association 1980-81
Member, Contributed papers to AAEA, 1976-79
Member, Nominating committee of AAEA, 1976-77

c. Non-University committees, commissions, panels, etc.:

Chairman, Bilateral Agricultural Research Board, Israel-United States,
1990-92

Member, Review team for power plant siting, Maryland Department of
Natural Resources, 1987

Planning Committee, Third annual conference on the Economics of the

Chesapeake Bay, Sponsored by USEPA and the Maryland Department of Employment and Economic Development, 1987

Planning Committee, National televideo conference on midcourse corrections in the 1985 Farm Bill, 1987

Kickoff speaker for the Maryland Department of Agriculture retreat on new directions for their department (aboard Governor's yacht the 'Independence'), 1987

Review team member, Environmental Protection Agency research program UVB radiation impacts on agricultural production, 1982-83, 1986-87

2. University

Coordination of the Joint Masters Degree in Environmental and Natural Resource Economics between the University of Maryland and the University of Los Andes. This year this Program (PEMAR) has graduated 18 additional Masters Students bringing the total to 153 since its inception in 1994. Coordination of this program involves continuously updating the Syllabi for the courses, advising students, looking for funding for projects and assisting in the staffing of the faculty here. Many of our faculty and students have participated in the instructional program. We have also been active in recruiting students to the AREC doctoral program.

An external review of this program concluded that: : “In our judgment, PEMAR is an excellent program meeting an urgent need, and of high value to the University of the Andes, to the Republic of Colombia, and the Western Hemisphere. In a very short time it has established itself as one of Latin America’s leading programs of research, training, and practice in environmental economics and natural resources. This accomplishment extraordinary and a tribute to many far-sighted individuals at the University of the Andes, the University of Maryland, and elsewhere.”

I have continued to work with Zulma Guzman and the Board of of a Latin American chapter of the Association of Environmental and Resource Economists (AERE). The Association has been formed (see: www.alear.org), and there are now 336 members. The first International Congress of Alear was held July 9-11, 2003 in Cartegena Colombia. Funding for this Congress was obtained from the World Bank. The second Internation Congress will be held in Mexico in 2005.

Academic Affairs Committee, Faculty of Economics University of the Andes 1997-1998.

University of Maryland College Park International Affairs Committee 1996-1999.

Established the first Master's Degree program in Environmental and Resource Economics in Latin America between UMCP and the University of the Andes at Bogota, Colombia. Classes began in January 1994.

Departmental 1993:

Library Committee

Recruitment Committee

Planning Committee, College retreat on initiatives, Wye Research and Education Center, 1987.

Planning Committee, University of Maryland Donaldson Brown Leadership Conference, also served as facilitator at the conference, 1987.

Member, Board of Overseers, University of Maryland Agricultural Biotechnology Center, 1987.

Member, Search committee for the Director of the Center for Agricultural Biotechnology, 1987.

Agricultural and Life Sciences Facilities Review Committee, 1985-86.

Chairman, Search Committee Associate Dean, Virginia-Maryland Regional College of Veterinary Medicine, 1986.

Committee on Fellowships, (Graduate Council) Member 1986, 1987, 1988, 1989.

Steering Committee for the 1987 Departmental Leadership Institute, Member 1986.

Member, Swine Advisory Review Committee, University of Maryland, 1985.

Chairman, Department of Resource Economics, University of Rhode Island, 1975-78.

Oregon State University

Department Policy and Planning Committee, 1980-84

Research Committee, 1980-84

Chairman, Graduate Committee, 1980-83

XI. International Activities

(Activities related to the Joint Uniandes/Maryland Masters Degree are incorporated above.), Below are excerpts from an evaluation of the program that was completed in

1999.

The University of Los Andes has just completed an internal evaluation of the Joint Masters Program in Environmental and Resource Economics: "Autoevaluacion Institucional del Pemar," Facultad de Economia, enero 1999, 63 paginas. The highlights of the evaluation are that:

1. Since its inception in 1994 to the first semester 1998 the Program has received 251 applications of which 142 were accepted.
2. 72 students actually entered the program on scholarship or with financial aid from some source.
3. These students were from the following countries: Antilles, Argentina, Bolivia, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, Spain, Haiti, Honduras, Italy, Nicaragua, Panama, Paraguay, Peru, Salvador, Uruguay, Venezuela.
4. 41 students have successfully completed the Program including the thesis.
5. These 41 are currently employed or studying for doctorates in the following countries: United States, France, Bolivia, Colombia, Dominican Republic, Ecuador, Nicaragua, Peru, Salvador, Uruguay, Venezuela.
6. The graduates of the Program are currently employed in the following activities.
 - a. Advanced graduate studies - 7%
 - b. Public agencies – Ministries of the Environment, Departments of National Planning, Ministries of Agriculture and Natural Resources, Region Natural Resource Agencies, National Research Institutes, etc. - 36%
 - c. Private sector organizations including consulting companies and non-governmental organizations – 24%
 - d. University Professors – 33%
7. Applications to the Program have increased each year since its inception.
8. The full time faculty for the Program has averaged 3 professors, each teaching five courses per year.

Conferencia y Mesa Redonda Sobre Recursos Naturales - IV Congreso Latinoamericano y del Caribe de Economia Agricola - ViZa del Mar, Chile, April 21-23, 1993.

Participation in Interamerican Development Bank/University of Los Andes seminars on project evaluation, Bogota, Colombia, 1990, 1991, 1992, 1993.

Presented paper, "The Implications of Emerging Biotechnologies for Developing

Countries," Kungpook University, Taegu Korea, 1991.

Seminar, "An Evaluation of Nonmarket Estimation Techniques and Their Use in Developing Countries," Taiwan National University, Department of Economics, 1991.

Team member, University of Maryland Agricultural Sciences Group, Peoples Republic of China, Visits to Beijing University, Beijing Agricultural College, Chinese Academy of Sciences, Fudan University, 1987.

Tinker Foundation Funded Seminars on Implications of joint ventures in fisheries for Chile, Catolica Universidad de Valparaiso, Chile, December 1983.

Research project on Artisanal Fisheries, Universidad de Costa Rica, 1975.

Research project on water use in lagoon shrimp production and agricultural production, Mexico, 1974.

XII. Consulting

The Interamerican Development Bank
Environmental Division
Washington, D.C.

Optima Technical Services
McLean, Virginia

Environmental Protection Agency
Office of Pesticide Programs
Washington, D.C.

Environmental Protection Agency
Environmental Research Laboratory
Corvallis, OR 97330

U.S. Forest Service
Pacific Northwest Forest and Range Experiment Station
Portland, OR 97232

U.S. Forest Service
Rocky Mountain Station
Fort Collins, CO 80526