

The World's Largest Open Access Agricultural & Applied Economics Digital Library

This document is discoverable and free to researchers across the globe due to the work of AgEcon Search.

Help ensure our sustainability.

Give to AgEcon Search

AgEcon Search
http://ageconsearch.umn.edu
aesearch@umn.edu

Papers downloaded from **AgEcon Search** may be used for non-commercial purposes and personal study only. No other use, including posting to another Internet site, is permitted without permission from the copyright owner (not AgEcon Search), or as allowed under the provisions of Fair Use, U.S. Copyright Act, Title 17 U.S.C.

Journal of Agricultural and Applied Economics

Volume 26, Number 1

July, 1994

Robison and Colver

Seale and Fairchild

Marchant and Ballenger

Broder

Zilberman

Richardson

Wetzstein

Osteen

Johnson

Carriker

McClain

Pompelli

Norris Kuch

Contents Proceedings

Empiricism and the Art of Teaching
Reflections on Relevance of Professional Journals
Economics and Interdisciplinary Collaborative Efforts
Relevance of Policy Analysis
Research in Agricultural Economics: Is Anyone Listening?
Reflections on Relevance of Agricultural Economics Research
Pesticide Regulation Issues
Sustainability Issues
Wetlands and Environmental Legislation Issues
Environmental Regulations as Constraints to Agriculture
Societal Constraints on Agriculture
Trade Agreements, Competition and the Environment
The Trade and Environment Debate

Discussion Discussion

Submitted Articles

Flexible Economic Thresholds for Pest Management
Planting Flexibility Provisions
Adoption of IPM by Vegetable Growers
Interfiber Competition in Textile Mills
Determinants of Wholesale Beef Cut Prices Cap
Conservation Effects of GRP Programs
Migrant Farm Workers in Virginia
Pesticide Tax, Cropping Patterns and Water Quality
Environmental and Economic Implications of EC Policies
Feedforward Neural Network Estimation
Technology Adoption in Louisiana Aquaculture
Farm Planning Under Government Farm Programs
Pricing Strategy Under Monopoly Conditions

Chien and Leatham
Fernandez-Cornejo, Beach and Huang
Zhang, Fletcher, and Ethridge
Capps, Farris, Byrne, Namken, and Lambert
Kalaitzandonakes and Monson
Sills, Alwang, and Driscoll
ality Shumway and Chesser
Liapis
Joerding, Li, and Young
Caffey and Kazmierczak
ms Kouka, Dufly and Taylor
Nelson and Beil

Harper, Mjelde, Rister, Way and Drees

Winning Graduate Student Paper

Subsidies, Technological Efficiency and Productivity Growth

Lachaal

Comments and Replies

Use Value from Recreation Participation: Comment Use Value from Recreation Participation: Reply

English and Bowker Whitehead

The Journal of the

Southern Agreement Economies Association

Journal of Agricultural and Applied Economics

Volume 26, Number 1 July, 1994

Copyright © 1994 by the Southern Agricultural Economics Association

1994 Editorial Council

Ntam Baharanyi Tuskeegee University Wen S. Chern Ohio State University George C. Davis University of Tennessee Gary F. Fairchild University of Florida Fred Gale USDA/ERS Orlen Grunewald Kansas State University Catherine K. Halbrendt University of Delaware Verne W. House Clemson University Michael S. Kaylen University of Missouri David Letson USDA/ERS Ying-Nan Lin Mississippi State Univ. Rigoberto A. Lopez University of Connecticut Christopher S. McIntosh University of Georgia David L. Neff University of Arkansas Zacch I. Olorunnipa Florida A&M University Teofilo Ozuna Texas A&M University E. C. Pasour, Jr. North Carolina State University James W. Pease Virginia Polytechnic Institute and State University Derrell Peel Oklahoma State University C. Robert Taylor Auburn University

Editorial Staff

Joan D. Enerlich Technical Editor and Administrative Assistant

Editorial Policy

The purpose of the *Journal* is to provide a forum for creative and scholarly work in agricultural economics and related areas. Contributions on methodology and applications in business, extension, research and teaching phases of agricultural economics are equally encouraged. Only submitted articles recommended by the editorial council are accepted for publication. Criticism of articles is encouraged and comments and replies will be published, subject to editorial review.

ISSN # 1074-0708

Editorial Communications

Manuscripts and correspondence should be addressed to

Angelos Pagoulatos, Barry W. Bobst or David L. Debertin Editors, JAAE

Department of Agricultural Economics
400 Ag. Eng. Bldg.
University of Kentucky
Lexington, KY 40546-0276

Journal of Agricultural and Applied Economics

Volume 26, Number 1 July, 1994

Published by Southern Agricultural Economics Association

Contents

SJAE President Biography and Lifetime Membership Award
Josef M. Broder 1994-95 President
Presidential Address
Empiricism and the Art of Teaching Josef M. Broder
Invited Papers and Discussions
Reflections on Relevance of Professional Journals Lindon J. Robison and Dale Colyer
Economics and Interdisciplinary Collaborative Efforts David Zilberman
Relevance of Policy Analysis: Needs for Design, Implementation and Packaging Jerry R. Skees
Research in Agricultural Economics Is Anyone Listening? Discussion James W. Richardson
Reflections on Relevance of Agricultural Economics Research: Discussion Michael E. Wetzstein
Pesticide Regulation Issues: Living with the Delaney Clause Craig Osteen
Sustainability Issues: How Should Government Coordinate Farm Regulations and Policy? Larry A. Johnson
Wetlands and Environmental Legislation Issues Roy R. Carriker
Environmental Regulations as Constraints to Agriculture: A Discussion Patricia E. Norris
Societal Constraints on Agriculture: Discussion Peter J. Kuch
Trade Agreements, Competition, and the Environment: Gridlock at the Crossroads James L. Seale, Jr., and Gary F. Fairchild
The Trade and Environment Debate: Relevant for Southern Agriculture? Mary A Marchant and Nicole Ballenger

Trade Agreements, Competition, and the Environment: Gridlock at the Crossroads: Discussion Emily A. McClain
Trade Agreements, Competition and the Environment: Gridlock at the Crossroads: Discussion Greg Pompelli
Articles
Developing Flexible Economic Thresholds for Pest Management Using Dynamic Programming Jayson K. Harper, James W. Mjelde, M. Edward Rister, Michael O. Way, and Bastiaan M. Drees
The Value of Planting Flexibility Provisions in the 1990 Farm Bill to Three Representative Texas Farms Ming-Che Chien and David J. Leatham
The Adoption of IPM Techniques By Vegetable Growers in Florida, Michigan and Texas Jorge Fernandez-Cornejo, E. Douglas Beach, and Wen-Yuan Huang
Interfiber Competition in Textile Mills Over Time Ping Zhang, Stanley M. Fletcher and Don E. Ethridge
Determinants of Wholesale Beef-Cut Prices Oral Capps, Jr., Donald E. Farris, Patrick J. Byrne, Jerry C. Namken, and Charles D. Lambert
An Analysis of Potential Conservation Effort of CRP Participants in the State of Missouri: A Latent Variable Approach N. G. Kalaitzandonakes and M. Monson
Migrant Farm Workers on Virginia's Eastern Shore: An Analysis of Economic Impacts Erin O. Sills, Jeffrey Alwang, Paul Driscoll
Pesticide Tax, Cropping Patterns, and Water Quality in South Central Texas C. Richard Shumway and Rayanne R. Chesser
Environmental and Economic Implications of Alternative EC Policies Peter S. Liapis
Feedforward Neural Network Estimation of a Crop Yield Response Function Wayne H. Joerding, Ying Li, and Douglas L. Young
Factors Influencing Technology Adoption in a Louisiana Aquaculture System Rex H. Caffey and Richard F. Kazmierczak, Jr
Long-Term Planning of a Livestock-Crop Farm Under Government Programs Pierre-Justin Kouka, Patricia A. Duffy and C. Robert Taylor
Pricing Strategy Under Monopoly Conditions: An Experiment for the Classroom Robert G. Nelson and Richard O. Beil, Jr

Winning Graduate Student Paper

Subsidies, Endogenous Technical Efficiency and the Measurement of Productivity Growth Lassaad Lachaal	299
Comments and Replies	
Measuring Use Value from Recreation Participation: Comment Donald B. K. English and J. M. Bowker	311
Measuring Use Value from Recreation Participation: Reply John C. Whitehead	314
Abstracts	
Selected Papers	339
JAAE Reports	
Editor's Report, 1994	345 346
Guidelines for Submission of Manuscripts	250

Josef M. Broder

1994-95 President

Dr. Broder is Professor, Department of Agricultural and Applied Economics at the University of Georgia - Athens and Coordinator for Undergraduate Programs in Agricultural Economics, Agribusiness, and Environmental Economics and Management.

He received the 1993 National Award for Excellence for Outstanding Teachers in the Food and Agricultural Sciences sponsored by the U.S. Department of Agriculture. He has received two Distinguished Undergraduate Teaching Awards from the American Agricultural Economics Association; the Outstanding Teaching Award from the Southern Agricultural Economics Association; and two E.B. Knight Awards for the Outstanding NACTA Journal Article from National Association of Colleges and Teachers of Agriculture. From the University of Georgia he has received the Josiah Meigs Award for Teaching, Excellence in the Golden Kev Outstanding Teacher Award, the D.W. Brooks Distinguished Teaching Award, the Gamma Sigma Delta Outstanding Teaching Award, and the Agricultural Alumni Award for Distinguished Teaching. Dr. Broder is best known for his extensive publications on pedagogy undergraduate student affairs.

He currently serves as Co-editor of the *Journal of Agribusiness*, associate editor of the *American Journal of Agricultural Economics*, and on the editorial board of the *NACTA Journal* and the *Journal of Economics and Finance*.

He served as chair of the Resident Instruction Committee, faculty advisor to the Student Section, and serves as chair of the Membership Committee of the American Agricultural Economics Association.

Dr. Broder received his Bachelor of Science in agricultural economics from the University of Georgia and his Masters and Ph.D. in



agricultural economics from Michigan State University. He was a Visiting Professor in the Department of Agricultural and Applied Economics, Virginia Polytechnic Institute and State University in 1988. He is a member of Phi Kappa Phi.

Dr. Broder's family immigrated from Switzerland in 1952 and established a dairy farm in rural Georgia. He was raised on the family farm as one of eight children. Dr. Broder and his wife, Diane, a teacher in special education, have a daughter and two sons, and reside in Watkinsville, Georgia.

Emerson Babb

Dr. Emerson Babb is a scholar and teacher of national note who has brought particular credit to the southern region. His own contributions in teaching, research, and extension, as well as his professional counseling and advising of faculty and students from many different institutions, have made a truly significant impact on the quality of academic life throughout the region. Dr. Babb has received professional recognition by the American Agricultural Economics Association, most recently in his selection as Fellow of that Association in 1987 while he was as the University of Florida faculty. He has also received the research award from SAEA in 1993. His more than four hundred various of business publications in areas management, dairy marketing, regulatory activities, and public policy have affected the course of agricultural business and marketing development in the south and around the country. Further, he has developed computer software and training devices used countless agricultural that are bv decision-makers. In every way, Dr. Babb has made his mark on our profession. He retired in January of 1993 following a prolific and diverse thirty-six year career.

Emerson Babb is perhaps best known for his extensive publication and research record. His work includes fifteen books and book chapters, forty-one refereed journal articles in which he was senior or contributing author, and numerous other research publications as indicated in his resume. Emerson works effectively with colleagues and with graduate students in these research projects. His unselfish collegiality in these ventures has also enhanced the professional careers of those around Emerson's problem-focused yet rigorously conducted research has made on observable impact on the course of events affecting the economic livelihood of citizens and businesses throughout the He is perhaps best known for his work relating to dairy marketing. His versatility extends to matters of rural development, theories of pricing and marketing behavior, the use of computers in decision analysis, consumer preference for food safety, and some recent work relating to free rider effects in the provision of public goods.



In the classroom, Emerson Babb has taught dozens of graduate students at Purdue, Berkeley, and the University of Florida. Former students have gone on to hold faculty positions at leading universities throughout the South and elsewhere. His nine management games are extensively used in undergraduate classes across the United States and abroad.

While research and teaching may have been the most professionally visible activities for Emerson Babb, he also has an impressive extension record. Most of his work involved the application of management games. Advising on behalf of the United Dairy Industry Association, the Milk Industry Foundation Advisory Committee on Regulation, and the National Dairy Promotion Board