SOUTHERN JOURNAL OF AGRICULTURAL ECONOMICS

••••

Volume 6, Number 1
July 1974

Published by

Southern Agricultural Economics Association

SOUTHERN JOURNAL OF AGRICULTURAL ECONOMICS

Volume 6, Number 1
July 1974

Published by

Southern Agricultural Economics Association

SOUTHERN JOURNAL OF AGRICULTURAL ECONOMICS

Volume 6, Number 1 July, 1974

Copyright (c) 1974 by the Southern Agricultural Economics Association

1974-75 EDITORIAL COUNCIL

GERALD A. DOEKSEN, USDA, Oklahoma State University, Editor ROBERT L. BECK, University of Kentucky JOHN H. BERRY, USDA, Washington, D. C. GERALD A. CARLSON, North Carolina State University HOWARD A. CLONTS, Auburn University R. K. DEHAVEN, Clemson University B. R. EDDLEMAN, University of Florida PAUL D. HUMMER, Oklahoma State University LONNIE L. JONES, Texas A & M University JOHN P. KUEHN, West Virginia University JOHN W. NIXON, University of Georgia (Experiment) CHESTER M. WELLS, Mississippi State University

1974-75 EXECUTIVE COMMITTEE

PRESIDENT			J	ose	ph	C. Purcell, University of Georgia, (Experiment)
PRESIDENT ELECT						Henry J. Meenen, University of Arkansas
VICE PRESIDENT						Ted R. Nelson, Oklahoma State University
SECRETARY-TREASURER						James H. Simpson, Mississippi State University

Southern Journal of Agricultural Economics is published in July and December by the Southern Agricultural Economics Association.

Membership in the SAEA, consisting of persons and organizations having a professional interest in agricultural economics, includes subscription to the journal. Regular membership dues are \$6. Junior membership dues are \$3.

The annual subscription rate for libraries and other institutions is \$7.50. Single copies to individuals are available at a price of \$7.50.

Please address all subscription, membership and changes of address to Dr. James H. Simpson, Secretary-Treasurer of SAEA, Department of Agricultural Economics, Mississippi State University, State College, Mississippi 39762.

CONTENTS

1.	. Experiences with Recent Price Stabilization Programs for Agriculture		
	Leo V. Mayer]
2.	. Discussion: Experiences with Recent Price Stabilization Programs for Agriculture		
	C. R. Berry		,
3.	. International Dimensions of Agricultural Prices		
	Arthur B. Mackie		11
4.	. Discussion: International Dimensions of Agricultural Prices		
	W. W. McPherson		25
5.	. Agricultural Prices in the 1970's: How Will Value be Established?		
	Olan D. Forker		27
6.	. Discussion: Agricultural Prices in the 1970's: How Will Value be Established?		
	D. H. Carley		33
7.	Rural Development Research Under Scrutiny		
	Fred H. Tyner		35
8.	. The Need for the Systems Approach to Rural Development Research		
	Luther Tweeten		43
9.	. Discussion: The Need for the Systems Approach to Rural Development Research		
	Burl F. Long		53
10.	. The Systems Approach – Research or Research Management?		
	D. W. Parvin, Jr.		
	Fred H. Tyner		57
11.	. Discussion: The Systems Approach – Research or Research Management?		
	Vernon R. Eidman		67
12.	. New Community Water and Sewer Systems and the Population of Small Towns		
	Jerome M. Stam		71
13.	Rural Development Research Programs of Southern 1862 and 1890 Land Grant Institutions:		
	Characteristics, Needs and Priorities for the 1970's		
	Carlton G. Davis		79
14.	. Urban Public Service Costs and Benefits of Rural-to-Urban Migration		
	Larry C. Morgan		
	A. Frank Bordeaux, Jr		91
15.	. Rural Industrialization: A Local Income Analysis		
	Ron E. Shaffer	•	97
16.	. Incorporating Multiple Goals into the Decision-Making Process: A Simulation Approach to Firm		
	Growth Analysis		
	Roy E. Hatch		
	Wyatte L. Harman		
	Vernon R, Eidman	. 1	03

17.	Estimating the Investment Behavior of Farm Firms Using the Concept of Rational Distributed
	Lag Function
	Billy J. Trevena
	Luther H. Keller
18.	Projections of Agricultural Capital and Credit Requirements: An Oklahoma Application Fred Schmedt
	Michael Boehlje
19.	Agriculture Production, Yields, and Acreages: Projections to 1985 for the South Virden L. Harrison
20.	Entropy Measures of Spatial Concentration in Poultry Processing
	Thomas L. Sporleder
21.	The Dual of a Cost Minimizing Linear Transshipment Model: An Economic Interpretation of an Assembly-Plant Processing-Distribution Network for a Firm
	William M. Holroyd
22.	Application of Spatial Models to Improving the Efficiency of a Country Hog Marketing System John T. Haas
23.	Application of a Plant Location Model to an Area's Cotton Ginning Industry
	Stephen Fuller
	Monty Washburn
24.	A New Look at Beef Cattle Price Reporting Classification
	Donald C. Huffman
	Alvin R. Schupp
25.	Some Issues Concerning Specification and Interpretation of Outdoor Recreation Demand Models
	Thomas A. Jennings
	Kenneth C. Gibbs
26.	An Economic Simulation Model for Analyzing Natural Resource Policy Milton L. Holloway
27	Analyzing Pest Control Strategies for Cotton with an Environmental Impact Matrix
27.	James W. Richardson
	Daniel D. Badger
28	Migration and Return Migration: A New Look at the Eastern Kentucky Migration Stream
20,	Brady J. Deaton
	Kurt R. Anschel
29	Agriculture in an Energy-Hungry World
<i>4</i> ,	K. C. Schneeberger
	Harold F. Breimyer
30	A Predictive Model for Manpower Requirements in Georgia Agriculture
50.	H. Evan Drummond
	Fred C. White
31	Cost of Required Water Pollution Abatement on Poultry Processing Plants
.	Waldon R. Kerns
	Harold B. Jones, Jr
32	The Effect of Resource Investment Programs on Agricultural Labor Employment and
 .	Farm Numbers
	James C. Cato
	B. R. Eddleman
22	Estimating Comparative Costs of Producing Milk Among the Southern States
<i>33</i> .	Blair J. Smith
3⊿	The Competitive Positions of Major U.S. Potato Producing Regions
J . .	Richard A. Levins
	Max R. Langham
35	Analysis of Innovations: Dairy and Exotic Crossbreeds for Beef Production
<i>5</i> 5,	C. R. Shumway
	Ernest Bentley

36.	Corn Prices, The Fuel Shortage, and Optimal Corn Harvesting Strategies	
	Ronald Raikes	
	Duane G. Harris	241
37.	Shrimp Processing in the Southeast: Supply Problems and Structural Change	
	Fred J. Prochaska	
	Chris O. Andrew	247