



AgEcon SEARCH

RESEARCH IN AGRICULTURAL & APPLIED ECONOMICS

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.*

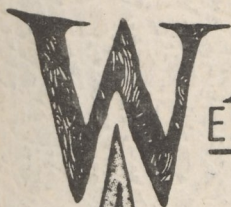
No endorsement of AgEcon Search or its fundraising activities by the author(s) of the following work or their employer(s) is intended or implied.

PROCEEDINGS
48th Annual Meeting
WESTERN AGRICULTURAL ECONOMICS ASSOCIATION

Reno, Nevada

July 20, 21, 22, 1975

William D. Gorman, Editor



WESTERN AGRICULTURAL ECONOMICS ASSOCIATION

Forty-Eighth Annual Meeting

PROCEEDINGS 1975

Keynote Address

Concurrent Sessions

- Emerging Changes in Agricultural Finance
- Emerging Changes in Marketing Margins and Policies
- Land Policy

Plenary Session

Concurrent Sessions

- Regional Analysis and Modeling
- Community and Regional Affairs

Plenary Session

Concurrent Sessions

- World Food Situation
- Resources and Environment

Luncheon Address

Concurrent Sessions

- Impact of Energy Development on Supplying Areas
- Marketing and Demand
- Agribusiness Management and National Economic Accounts

UNIVERSITY OF MINNESOTA

UCI 27



July 20-22, 1975

Reno, Nevada

Western Agricultural Economics Association membership information may be obtained by contacting—

Jack Trierweiler
Secretary-Treasurer, WAEA
325 Extension Hall
Oregon State University
Corvallis, Oregon 97331

Regular memberships are \$5 per year. Student memberships are \$2 per year.

These proceedings were printed under contract by New Mexico State University.

PROCEEDINGS
48th Annual Meeting
WESTERN AGRICULTURAL ECONOMICS ASSOCIATION

Reno, Nevada

July 20, 21, 22, 1975

William D. Gorman, Editor

CONTENTS

<i>Chairman</i>		<i>Page</i>
	KEYNOTE ADDRESS	
Walter Butcher, President		
Inflation and the Farming Industry	Luther Tweeten	1
Discussion	Ludwig M. Eisgruber	13
	CONCURRENT SESSIONS	
	Emerging Changes in Agricultural Finance	
Kenneth D. Duft		
Impact of the 1971 Farm Credit Act on Financing Western Agriculture	Frank D. Aigner	16
The Pros and Cons of Variable Interest Rate Farm Mortgage Loans	John A. Knechel	20
	Emerging Changes in Marketing Margins and Policies	
Dale G. Anderson		
Implications of Recent Events for Livestock Marketing Research	Richard J. Crom	24
Inflation, Price Controls and Marketing Margins	Robert S. Firch	27
Discussion	Donald E. Anderson	35
	Land Policy	
David E. Hansen		
Solid Waste Planning: An Application in Southeastern Oklahoma	Michael S. Salkin, Richard E. Just and O. A. Cleveland, Jr.	37
Extension's Land Use Educational Publications: A Brief Review and Some Suggestions	Craig L. Infanger and Frank Bordeaux, Jr.	40
A Vertically Integrated Projects System for Agricultural Land Use Planning	Daniel J. Dudek and Robert B. McKusick	44
An Analysis of Some Factors Associated with California Landowners' Acceptance of Use-Value Assessment	Hoy F. Carman and David K. Smith	50
Urban Growth and the Distribution of Real Property Appreciation	Paul C. Huszar	54
	PLENARY SESSION	
Bruce R. Beattie		
Summary of Some Insights on Water and Land Resource Allocations Through Interregional Models	Earl O. Heady	57
Discussion	W. Cris Lewis	79
	CONCURRENT SESSIONS	
	Regional Analysis and Modeling	
Bruce R. Beattie		
Water Resources Planning: Analytic Techniques and Policy Implications from a State Viewpoint	Herbert W. Grub, Milton L. Holloway and Jean O. Williams	81

Community and Regional Affairs

Joe B. Stevens

Economic Implications of a Coal Export Policy in the Northern Great Plains	Norman L. Dalsted, F. Larry Leistritz and Thor A. Hertsgaard	88
Diseconomies of Small Size Communities and the Cost of Migration: Some Empirical Results	Joel R. Hamilton and Richard Reid	92
The Economics of a Small Rural Physician Practice in Nevada	Hans Radtke and Tom Nordblom	98
Input Utilization in Physicians' Group Practice	John E. Kushman	103
The Economic Effects of a Guaranteed Annual Income in Washington State	Jerome J. Hammond and Ralph A. Loomis	108
An Approach for Incorporating Human Capital Specificity and Employment Variation into Earnings Analysis	David E. Ervin	111

PLENARY SESSION

Harold O. Carter

Outlook and Prospects for Meeting World Food Needs	Ralph W. Cummings, Jr.	116
--	------------------------	-----

CONCURRENT SESSIONS

World Food Situation

Harold O. Carter

Trade Liberalization: Obstacles and Prospects	Jimmy S. Hillman	127
Discussion	Andrew Schmitz	133
Discussion	Desmond Jolly	137

Resources and Environment

Charles V. Moore

Optimal Tradeoffs Between Reservoir and Downstream Benefits	Sam H. Johnson, III	140
Economic Value of Wildlife	Anthony A. Prato	144
Economics as an Input in Environmental Law: Anderson V. Atlas Chemical Industries, Inc.	Donald R. Levi and Bruce R. Beattie	147
Stability of Agricultural Water Rights?	George E. Radosevich and Melvin B. Sabey	150
Economic Evaluation of Nonstructural Measures to Control Saline Irrigation Return Flows	K. L. Leathers and R. A. Young	154

LUNCHEON ADDRESS

Ronald D. Lacewell

Agricultural Economics in the Public Policy Thicket	Maurice M. Kelso	157
---	------------------	-----

CONCURRENT SESSIONS

Impact of Energy Development on Supplying Areas

Melvin D. Skold

Environmental Externalities of Producing Syncrude from Oil Shale	Glen D. Weaver	161
Discussion	Norman K. Whittlesey	170

A Research Perspective on Local Energy Development Impacts	Lloyd D. Bender	172
Distribution of Costs and Benefits of Energy Development in Alaska Among Participants and Groups Affected	Wayne C. Thomas	179
Discussion	Carl E. Olson	187
Discussion	Travis W. Manning	189

Marketing and Demand

Raymond J. Folwell

Competitive Potential of Synthetic Meat Products: Some Efficiency Implications of Nutritional Composition	M. Dean Ethridge	191
The Availability of Food Among Washington Households with School-Aged Children	Donald A. West and David W. Price	196
Alternative Estimation Procedures for Multiplicative Models: Implications for Projecting Recreational Use	Richard Green and Warren Johnston	200
An Empirical Analysis of the Impacts of Energy Price Changes on Food Costs	Norman K. Whittlesey and Chinkook Lee	205
Let's Take Another Look at Competitive Marketing	Ralph D. Johnson and Richard J. Crom	209
Federal Market Orders for Fruits and Vegetables	Walter J. Armbruster	212
Factors Affecting Feeder Calf Prices	D. J. Menkhaus and R. R. Fletcher	216
The Use of Retail Audit Data in Projecting Consumer Demand for Fresh Sweet Cherries	Yahaya Doka and D. A. O'Rourke	219

Agribusiness Management and National Economic Accounts

Roger B. Long

Regional Differences in the Rate of Return to Agricultural Research and Extension	Yao-Chi Lu and Philip L. Cline	222
Livestock Capital Formation—A Preliminary Estimation	David R. Dyer	226
Crop Production Accounting in the Farming Sector Using National Economic Accounting Concepts	Richard Simunek	230
A Systematic Approach to the Development and Maintenance of Enterprise Budget Data	Gail D. Garst and Ronald D. Krenz	234
Quantifying the Risk of Inadequate Loan Repayment Capacity: A Case Study of Dairy Farms	A. Gene Nelson and David P. Miller	238
The Effects of Income Tax Regulations on Farm Equipment Replacement Age and Cost	Ronald D. Kay and Edward Rister	241
Impact of Adoption of Four-Wheel Drive 140 HP and Larger Tractors by Dryland Grain Farmers in Southeast Washington	Gordon E. Rodewald, Jr.	244

Re
deep
mics
theor
in sar
mute
inatio
revea
ploym
ment
posit
recon
welfa
E
Sam
of In
wisd
nota
to be
game
and
advic
T
emer
the i
of th
impa
dust
soci
aver
Elem
are c
impa
agric
EME
In
as a
and
is in
inte