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AUSTRALIAN AGRICULTURAL ECONOMICS SOCIETY

32nd ANNUAL CONFERENCE

**La Trobe University
February 8 - 11, 1988**

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AUSTRALIAN AGRICULTURAL ECONOMICS SOCIETY

1988 ANNUAL CONFERENCE

La Trobe University
8-11 February, 1988

PROGRAMME

MONDAY 8 FEBRUARY

- 1.00-5.50pm **PRE-CONFERENCE WORKSHOP**
Undercroft Lecture Theatre, David Myers Building
"ISSUES IN RESOURCE ECONOMICS WITH PARTICULAR APPLICATION TO THE MURRAY - DARLING BASIN"
- 4.30-7.00pm **OUTGOING COUNCIL MEETING**
Vince Harkness Room, First Floor, Glenn College
- 5.30-10.00pm **REGISTRATION**
Airport Lounge, First Floor, Glenn College
- 6.00-8.00pm **SOCIAL MIXER**
Airport Lounge, First Floor, Glenn College

TUESDAY 9 FEBRUARY

- 8.30-9.30pm **Late Registration**
Airport Lounge, First Floor, Glenn College
- 9.00-10.25am **OPENING PLENARY PAPER**
Agora Theatre
A. Schmitz
University of Saskatchewan and University of California, Berkeley
"EXPORT STRATEGIES IN INTERNATIONAL GRAIN MARKETS"
- 10.25-10.45am **Tea and Coffee**
- 10.45-12.30pm **INVITED PAPERS (Two concurrent sessions)**
- (a) **Current Research on Market and Price Stabilisation**
East Lecture Theatre (ELT) 1
B. Wright
University of California
"THE INCIDENCE OF MARKET STABILISING PRICE SUPPORT SCHEMES"
- P. Simmons and J. Arthur**
Australian Bureau of Agricultural and Resource Economics
"THE IMPORTANCE OF HIDDEN GAINS AND LOSSES: A CASE STUDY OF AUSTRALIAN WOOL"

**(b) Privatisation in Agricultural Marketing
East Lecture Theatre (ELT) 2**

R. Sandrey
Ministry of Agriculture and Fisheries, New Zealand
**"PRIVATISATION IN AGRICULTURAL MARKETING:
THE NEW ZEALAND EXPERIENCE"**

K. Baxter
NSW Egg Corporation
**"PRIVATISATION IN AGRICULTURAL MARKETING:
EGG MARKETING IN AUSTRALIA"**

12.30-2.00pm **Lunch**

2.00-3.55pm **SELECTED PAPERS** (Concurrent with contributed papers),
Agora Cinema

R. Fraser
University of Western Australia
**"A METHOD OF EVALUATING SUPPLY RESPONSE TO
PRICE UNDERWRITING"**

P. Lewis, N. Hall, C. Savage, A. Kingston
Australian Bureau of Agricultural and Resource Economics
**"TAXATION, COST OF CAPITAL AND INVESTMENT IN
AUSTRALIAN AGRICULTURE"**

CONTRIBUTED PAPERS A

3.55-4.15pm **Tea and Coffee**

4.15-5.15pm **PRESIDENTIAL ADDRESS**
Agora Theatre

7.00-7.30pm **Pre-Dinner Drinks, Airport Lounge, Glenn College**

7.30pm **Conference Dinner, Dining Room, Glenn College**

WEDNESDAY 10 FEBRUARY

8.30-10.25am **CONTRIBUTED PAPERS B**

10.25-10.45am **Tea and Coffee**

10.45-12.15pm **PLENARY PAPER**
Agora Theatre

The Wheat Industry - In Transition

J. Mauldon
Industries Assistance Commission
J. McColl
Royal Commission into Grain Storage, Handling and Transport

12.15-1.45pm **Lunch**

- 1.45-3.00pm **ANNUAL GENERAL MEETING**
HUED Theatre
- 3.00-3.20pm Tea and Coffee
- 3.20-5.55pm **CONTRIBUTED PAPERS C**
- 6.00 - 11.30pm Social evening, Cruising Restaurant, Port Phillip Bay
(Buses depart Glenn College: 6.00pm)

THURSDAY 11 FEBRUARY

- 8.30-10.25am **CONTRIBUTED PAPERS D**
- 10.25-10.45am Tea and Coffee
- 10.45-12.30pm **INVITED PAPERS** (Two concurrent sessions)
- (a) *Fishery Economics*, East Lecture Theatre (ELT)1, Education Building
- G. Waugh
University of NSW
"CHANGING PERSPECTIVES IN FISHERY ECONOMICS"
- R. Bain, J. Haynes, S. Pascoe, R. Trewin
Australian Bureau of Agricultural and Resource Economics
"FISHERY ECONOMICS FROM THE ECONOMIC BUREAUCRATS PERSPECTIVE"
- (b) *Teaching Swapmeet*, East Lecture Theatre (ELT)2, Education Building
- Opening Speakers: A. Chisholm, La Trobe University and R. Bain, Australian Bureau of Agricultural and Resource Economics
- 12.30-1.30pm Lunch
- 1.30-3.15pm **CLOSING PLENARY SESSION**
Agora Cinema
- D. Zilberman
University of California, Berkeley
"PESTICIDE ECONOMICS: POLICY CHOICES AND RESEARCH ISSUES"
- 3.15pm *Conference Close*
- 3.25-3.50pm Tea and Coffee
- 4.00-6.00pm **INCOMING COUNCIL MEETING**
Vince Harkness Room, First Floor, Glenn College

Selected and Contributed Papers, Session A
TUESDAY, FEBRUARY 6 - 1400 to 1555

AGORA Cinema - Selected Papers
Chair - B. Fisher

Fraser, R.W.

A Method for Evaluating Supply
 Response to Price Underwriting

Lewis, P.E.T., Hall, N.H.,
 Savage, C.R. and Kingston, A.G.

Taxation, Cost of Capital and
 Investment in Australian
 Agriculture

HUED Theatre - Contributed Papers
Chair - R. Dumsday

Penman, P.F.

An Economic Evaluation of Soil
 Conservation Programmes

Stiden, J.A. and King, D.A.

Land Condition, Productivity,
 and the Adoption of Soil
 Conservation Measures

Penman, P.F.

Benefit Cost Analysis of Forest
 Creek Project

HUED 102 - Contributed Papers
Chair - G. Ryland

Etherington, D. and Foster, K.

The Resurgence of the Tea
 Industry in China

Wan, G.H.

Factors Affecting the
 Variability of China's Food
 Grain Production

Zhou, Z.Y., Dillon, J.L. and
 Wan, G.H.

Development of Township
 Enterprises in China

HUED 103 - Contributed Papers
Chair - B. Hardaker

Anaman, K.A. and Murphy, J.E.

The Influence of Phosphorus
 Fertiliser and the Time of
 Harvest on Production Risk for
 Cassava

Delforce, J.C., Hardaker, J.B.
 and Fleming, E.

Alternative Strategies for
 Development in Tonga

Malaka, P. and
 Thamapattal, D.J.

Systems Modelling Approach to
 Drought Management Strategies
 in Zambia

HUED 106 - Contributed Papers
Chair - V. Wright

Bell, K. and Sloane, R.

Quality/Quantity Trade-offs in
 the Demand for Beef and Lamb:
 A Cross-Sectional Time Series
 Study

Havrila, I. and Outkley, J.J.

Price Premium and Discounts for
 'Characteristics' of the Product

HUED 108 - Contributed Papers
Chair - R. Bounds

Williams, S.C. and
 Longworth, J.W.

Factors Influencing Tuna Prices
 in Japan and Implications for
 the Development of the Coral
 Sea Tuna Fishery

Davenport, S. and Dalziel, I.

Effects of Concessional Sales
 Tax Arrangements for Fruit
 Juice Beverages

Mullen, J., Alston, J. and
 Wohlgenant, M.

The Impact of Multi-Stage
 Research on Australian
 Woolgrowers

Contributed Papers, Session B
WEDNESDAY, 9 FEBRUARY - 0830 to 1025

HUED Theatre - Contributed Papers
Chair - A. Chisholm

Muegrave, W.F., Pignat, J.,
 Burton, J.R. and Mulligan, H.

Water Administrations after
 Water 2000: Administrative
 Responses to Security

Young, R.

Environmental Degradation in
 the Murray Darling Basin - An
 Evaluation of some Options

Chewings, R.A. and Pascoe, S.

Demand for Water in the
 Murray Valley, New South
 Wales: An Application of Linear
 Programming

HUED 102 - Contributed Papers
Chair - D. Vanzetti

Moss, G. and Simmons, P.

The Effect of US Farm Policy
 on Australian Cotton Revenues

Morison, J.B.

Trends in Australia-Japan
 Commodity Trade

Lewis, P.E.T. and Meale, W.P.

Prices and Employment in the
 US Farm Sector

HUED 103 - Contributed Papers
Chair - J. Quilley

Dixon, J.

Inorganic Fertiliser Inputs to
 Himalayan Agriculture: Some
 Issues in Pricing

Whybrow, E. and
 Longworth, J.W.

Price Expectation Formation in
 the Queensland Tomato Growing
 Industry

Hall, N. Fraser L. and
 Purill, A.

Supply Responses in Broadacre
 Agriculture

HUED 106 - Contributed Papers
Chair - K. Stoll

O'Donnell, C.J.

Assessing the Impact of Lamb
 Price Stabilisation on Producer
 Welfare

Foster, M.

Modelling the Australian Wool
 Corporation's Costs and
 Revenues under the Reserve
 Price Scheme for Wool

Nguyen, T. and Hogen, L.

Policy Coordination and
 Economic Growth

HUED 107 - Contributed Papers
Chair - J. Johnston

Crellin, L.R.

Potential Improvements in the
 Provision of Long Range
 Weather Forecasts: Are There
 Benefits for the Rural Sector?

Brennan, D.

Peak Load Investment Criteria
 for the Grain Handling Industry

Luskin, D., Poulter, D. and
 Nayar, M.

Determinants of Employment in
 Australian Agriculture

HUED 108 - Contributed Papers
Chair - J. Remeryt

Martin, J.

Integrated Pest Control in Rice:
 Integrating Economics, Extension
 and Policy

Cramb, R.A. and Wills, I.R.

Community-Based Land Tenure
 and Government Land Policy in
 Sarawak: A Study in
 Institutional Dissonance

Etherington, D.

A Policy Perspective on
 Coconut Processing on South
 Pacific Islands

Contributed Papers, Session C

WEDNESDAY, 9 FEBRUARY - 1520 to 1725

HUED Theatre - Contributed Papers **Chair - A. Lloyd**

MacAuley, T.G., Thomas, W.C. and
Musgrave, W.F.

Simultaneity in the
Determination of Assistance to
Agriculture

Vanzetti, D. and Kennedy, J.

Strategic Interaction in
International Commodity
Markets

Walker, A.

World Agricultural Trade
Distortions - Measurement and
Recent Trends

HUED 102 - Contributed Papers **Chair - D. Cram**

Wymen, E.

Toward a Comparison of
Conventional and Chemical-Free
Farming in Australia

Perman, P.F.

Waterponding in Western N.S.W.
- An Evaluation

Pannell, D.

A Stochastic Model for Tactical
Weed Control Decision Making

HUED 103 - Contributed Papers **Chair - W. Malcolm**

Tan, H. and Minnis, P.

Financial Deregulation and
Rural Credit in the 1990's

Martin, W. and Savage, C.

Developments in Australian
Agricultural Capital

Ahmed, A. and Kennedy, J.O.S.

The Impact of Subsidised Credit
on Bangladeshi Farming
Households

HUED 106 - Contributed Papers **Chair - N. Hall**

Wang, K.M., Hacker, R.E.,
Linker, R.K. and
Richmond, G.S.

Computer Modelling of
Rangeland Regeneration in the
Arid Zone of Western Australia

Vidler, P.

A Model of the Australian Raw
Cotton Market

Wegener, M.K.

A Generic Crop Simulation
Model for Agricultural Planning

HUED 107 - Contributed Papers **Chair - R. Cramb**

Etherington, D.

An Economic Analysis of a Plant
Density Experiment for Tea in
China

Mustafab, M. and Oulley, J.J.

Impact of Land Tenure on
Farming Efficiency and Soil
Conservation in the Upper
Brantas River Basin Area, East
Java, Indonesia

Sharma, K.C.

Human Nutrition and Income in
Rural Semi-arid Tropical
Andhra Pradesh, India

HUED 108 - Contributed Papers **Chair - J. Quiggin**

SriRameshnam, S.

Prospects for Managing
Production Risk in New Zealand
Agriculture

Bardley, P.

Local Utility Functions - A
Tutorial

Pandey, S.

Risk Efficient Irrigation
Strategies for Wheat

Contributed Papers, Session D
THURSDAY, 10 FEBRUARY - 0630 to 1025

HUED Theatre - Contributed Papers
Chair - R. Jeffery

Tilack, R. and Arnold, R.

**Analysing the Effects of Local
 Content Schemes under
 Imperfect Substitution: An
 Application to the Australian
 Tobacco Industry**

Goddard, D.

**Policy Issues Affecting
 Australian Industrial Wheat
 Processing**

Wilcock, C.J.

**Policy Formulation in the
 Australian Dairy Industry**

HUED 102 - Contributed Papers
Chair - J. Cary

Mallock, B.

**Fifty Years of Farm
 Management in Australia**

**Godwin, D., Parker, P.,
 Simpson, I. and Buritt, T.**

Cereals for Grazing and Grain

Mattinson, B.

**Selection Strategies in
 Commercial Merino Flocks**

HUED 103 - Contributed Papers
Chair - J. Kennedy

Pandey, S.

**An Application of Systems
 Modelling for Technology
 Evaluation**

**MacAuley, T.G., Betterham, R.L.
 and Fisher, B.S.**

**Cubic Programming and the
 Solution of Spatial Trading
 Systems**

Hansen, B.R. and Kruse, M.A.

**Impact of Rotations and
 Cultivation Techniques on Farm
 Profitability - Model
 Specification**

HUED 106 - Contributed Papers
Chair - J. Mullin

**Davidson, A.B. and
 MacAuley, T.G.**

**International Impacts of Wool
 Policy Changes**

**Simmons, P., Trondle, B. and
 Brewer, K.R.W.**

**The Future of Chinese Wool
 Production**

Vastuin, C.

**The Efficiency of Price
 Discovery at Wool Auctions**

HUED 107 - Contributed Papers
Chair - J. Brennan

Ch'eo, Y.S. and Gillingham, A.

**Capital Input, Allocation
 Uncertainty and the Value of
 Technology - The Case of
 Phosphate Fertiliser**

Kingwell, R.

**Long-fallows in the Eastern
 Wheatbelt of Western Australia**

Tisdell, C. and Alauddin, M.

**Diversification and Stability
 Implications of New Crop
 Varieties: Theoretical and
 Empirical Analysis**

HUED 108 - Contributed Papers
Chair - I. Wills

**Kallianpur, R. and
 Chakraborty, C.**

**Productivity and Technical
 Change in Rice Production -
 The Case of Tamil Nadu, India**

Antony, G. and Kanzi, G.

**Returns to PNG Agricultural
 Research: Hybrid Cocoa and
 Insect Poisonisation of Oilpalm**

Cramb, R.

**The Use and Productivity of
 Labour in Shifting Cultivation:
 An East Malaysian Case Study**