

## JOCK R. ANDERSON

<http://www.une.edu.au/febl/EconStud/anderson.htm>

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**Degrees:** B.Agr.Sc. (Hons. I) 1963, M.Agr.Sc. 1965, University of Queensland  
Ph.D. 1970, Doctor of Economics 1981, University of New England

### Professional Elections:

1981 President, Australian Agricultural Economics Society

1981 Exchange Fellow in the Academies' Aust.-China Exchange in the Social Sciences

1984 Distinguished Foreign Scholar, Mid-America State Universities Association

1985 Fellow, Australian Institute of Agricultural Science

1988 Fellow, World Academy of Productivity Science

1996 Fellow, American Agricultural Economics Association

2000 Fellow, Academy of the Social Sciences in Australia

2003 Distinguished Fellow, Australian Agricultural and Resource Economics Society

### Staff Positions Held:

1963-64 Sir Edmund Marsden Tooth Research Fellow, **University of Queensland**

1965 Research Agronomist, **ACF & Shirleys Fertilizers Ltd**, Brisbane

1966-88 **University of New England**, Armidale 2351, Australia: 66-69 Research Fellow (Wool), Department of Farm Management; 70 Lecturer in Economic Statistics; 71-72 Lecturer, 73-74 Senior Lecturer, 75-83 Associate Professor, and 84-91 Professor in Agricultural Economics & Business Management (1978-79, 1989-91 on leave); 80-82 Dean, Faculty of Economic Studies; 86-88 Head, Department of Agricultural Economics & Business Management,

1992- **Emeritus Professor of Agricultural Economics**

1978-79 Deputy Director and Chief Research Economist, **Bureau of Agric. Economics**, Canberra

1989-99 **World Bank**, 1818 H St. NW, Washington, DC 20433 USA: 89-93 Principal Economist, Agricultural Policies Division, Agriculture and Rural Development Department; 94-95 Adviser (Agricultural Technology), Agriculture and Forest Systems Division, Agriculture and Natural Resources Department; 96-98 Evaluation Adviser, Operations Evaluation Department, World Bank; 98-00 Portfolio Adviser, 00-01 Strategy and Policy Adviser, 02-03, Agriculture and Rural Development Department (retired Jan. 31, 2003).

### World Bank Work:

**Consultancies:** Consultant, Development Research Center (1976-77, 1979)

Consultant, Agriculture and Rural Development Department (1981, 87, 88)

Consultant, Economic Analysis and Projections Department (1983)

Director, Study of the Impact of the International Agricultural Research Centers, CGIAR Secretariat, (1984-6)

Consultant, EM1 Agricultural Operations Division (Pakistan 1988)

**Consultant, ARD, World Bank, Washington, DC (2003- )**

**Staff Activities (1989-02):** *In-country missions* - Bangladesh, Brazil, Ethiopia, Guinea, India, Indonesia, Kenya, Lesotho, Malawi, Morocco, Papua New Guinea, Pakistan, Russia, Uganda, Uzbekistan, Zimbabwe; *HQ desk reviews* (excluding OED ICR and QAG Reviews)- Bangladesh, Ethiopia, Gabon, Mexico, Nepal, Pakistan, Paraguay, Peru, Sudan; *Research Studies* - Burkina Faso, India, Kenya, Malawi. *Bank Review* - Chair, ESDAR Review Committee, 1998; Member, Quality Assurance Group (QAG) Review of Supervision in Agricultural Research Projects (Africa Region), 1999; Manager, Oversight of the Bank's Rural Portfolio (1999); other QAG reviews of ESW, Quality at Entry, and Supervision (2000-02); Member, World Bank Small Grants Research Committee, RAD, 2002-03.

**Other Consulting, Visiting and Review Activities:**

Consultant, Agricultural Business Research Institute (ABRI), University of New England (1966-70);  
Member of ABRI Management Committee (1981-89)  
Visiting Professor of Agricultural Economics, Indian Agricultural Research Institute, New Delhi (as  
Consultant for UNESCO/FAO/UNDP in 1973)  
Consultant Economist, International Center for Maize and Wheat Improvement (CIMMYT), Mexico  
(1973/74, 1975/76)  
Consultant, Interamerican Institute of Agricultural Sciences (IICA) (to EMBRAPA, Brasilia, 1975)  
Consultant, Industries Assistance Commission, Canberra (1975-76)  
Visiting Lecturer, Australian National University, Canberra (1974-79)  
Member of the *ad hoc* advisory committee of the Commonwealth Special Research Grant administered by  
the Department of Primary Industry, Canberra (1979-81)  
Consultant, International Service for National Agricultural Research (ISNAR), The Hague, (Papua New  
Guinea 1982, Pakistan 1987)  
Consultant, International Center for Agricultural Research in the Dry Areas (ICARDA), Syria (1982)  
Consultant, International Livestock Centre for Africa (ILCA), Ethiopia (1982)  
Research Fellow, Resource Systems Institute, East-West Center (EWC), Hawaii (1982, 1983)  
Member of Review Panel, Quinquennial Review of ICARDA, Technical Advisory Committee (TAC) of  
CGIAR, (Syria, Tunisia, Egypt 1983)  
Chairman, Mid-Term Review of the Bangladesh Agricultural Research Project II (IADS for USAID), (1983)  
Consultant, Australian International Development Assistance Bureau (AIDAB, Canberra), Indonesian  
Forages Project, Bogor and Sulawesi, (1986)  
Visiting Research Fellow, Intl Food Policy Research Institute (IFPRI), Washington, DC (1986)  
Academic Consultant, Institut Pertanian Bogor - Academic Assistance Project (IPB-Australia), (1986-90)  
Member, External Review of the Multiple Cropping Department, IRRI, (Philippines 1986)  
Consultant, Centre for Research and Development of Coarse Grains, Pulses, Roots and Tuber Crops in the  
Humid Tropics (CGPRT Centre), Bogor, Indonesia (1987)  
Consultant, IFAD, Rome (Burkina Faso, Benin, Cameroon 1987)  
Member, Committee of Review of Rural Industry Research Needs in the Mediterranean Climatic Region of  
Australia, CSIRO (1988)  
Member, External Review Panel, Crop Management Research Program, IITA, (Nigeria 1989)  
Chairperson, Internally Managed Extl Rev of the CIMMYT Economics Program (Mexico 1991, 1994, 1997)  
Chair, External Program and Mgt. Review of ICARDA, (Syria, Jordan, Turkey, Pakistan 1993)  
Panelist, Strategic Review of Natural Resource Mgt. Research in the CGIAR, TAC (Rome 1995)  
Panelist, Strategic Review of Policy and Public Management Research in the CGIAR, (Santiago 1995)  
Chair, Internally Commissioned External Review, CIFOR (Bogor 1995)  
Member, Internally Managed Review of Soil, Water and Nutrient Management research, ICRISAT (1996)  
Member, External Review of CLIMA, Perth, (Australia 1997)  
Member, Review of the (South African) Agricultural Research Council Review, (Pretoria 1997)  
Chair, Internally Commissioned Review of the NRM Program, ICRISAT (India, Vietnam, Mali 2000)  
Chair, Center- and TAC-Commissioned External Review of the System-wide Livestock Program, (managed  
by ILRI) (India, Syria, Morocco, Kenya, Ethiopia 2001)  
Leader, Impact Study for the EPMR, ISNAR, The Hague (2002)  
Member, External Review of the Rice-Wheat Consortium, Kathmandu & Delhi, (2003)

**Editorial Positions Held:**

- 1988-90 Member, Editorial Board, *Agricultural Systems* (UK)
- 1974-77 Member, Editorial Committee, *Australian Journal of Agricultural Economics*
- 1975-80 Member, Editorial Board, *Australian Journal of Management*
- 1978 Editorial Manager, *Quarterly Review of Agricultural Economics*
- 1978-80 Joint Editor (with J.B. Hardaker), *Australian Journal of Agricultural Economics*
- 1978-80 Member, Editorial Council, *American Journal of Agricultural Economics*
- 1986-90 Associate Editor, *American Journal of Agricultural Economics*
- 1989 Guest Editor (with J.L. Dillon), Special Issue of *Agricultural Economics*
- 1998- Member, Editorial Board, *Australian Journal of Agricultural and Resource Economics*

**Professional Interests:**

Institutional and strategic aspects of **environmentally sustainable rural development**, with particular concern for agriculture and natural resources, policy analysis, and the rural non-farm economy.

Economics of agricultural technology generation and transfer, with particular concern for natural resource management, and efficacy in investment in agricultural research—local, national and international.

Economics of uncertainty, with particular concern for risk management in agriculture, for dealing with risk in project appraisal, and for the role of risk in farmers' technological choice.

Project and program evaluation, with emphasis on natural resources and rural development.

### Overview of Published Work (to 278):

[Most of the work in the list of publications that begins on the following page has been in the application of economic principles and statistical methods to problems in agricultural and economic research and management. For **books** and monographs see 13, **15, 20, 42**, 47, 49, 52, **53, 55**, 56, 92, 95, 98, **102**, 104, 106, 107, 108, 112, 113, 114, **123, 126, 127**, 131, 136, 137, 138, 144, **150, 157**, 162, **165**, 178, **187, 191, 197**, 199, 204, 207, **221, 223**, 225, 226, 229, 262, 268, 273, 275, 276, 277; for *book reviews* see the R series at the end of the list of publications; for *chapters in books* see 16, 17, 35, 54, 67, 68, 73, 75, 83, 96, 99, 103, 109, 116, 117, 118, 121, 128, 129, 130, 154, 155, 158, 159, 160, 161, 173, 210, 246, 249, 253, 255, 256; and for *conference presentations* see 1, 6, 23, 24, 25, 30, 46, 48, 54, 58, 62, 66, 67, 68, 69, 70, 75, 76, 81, 84, 85, 86, 89, 94, 96, 99, 109, 111, 115, 119, 120, 122, 132, 134, 135, 139, 140, 141, 142, 152, 153, 154, 156, 162, 163, 170, 171, 174, 175, 176, 177, 180, 182, 183, 184, 185, 188, 189, 192, 193, 194, 196, 198, 206, 208, 209, 210, 211, 216, 217, 219, 220, 222, 224, 227, 228, 232, 233, 243, 244, 245, 248, 250, 251, 252, 254, 258, 260, 261, 263, 265, 266]. {missing details see \*}

### Orientation of Publications:

Within the published work several problems have received particular attention, namely the analysis of **fertilizer response** data (2, 7, 9, 34, 40, 41, 45), the design and interpretation of **agricultural experiments** (4, 10, 19, 43, 47, 49, 57, 67, 131), the **economics of agricultural research** in general (see end para below for kindred policy work) (5, 6, 24, 32, 46, 51, 65, 89, 90, 98, 107, 134, 136, 137, R1, 138, 140, 171, 177, 206, 208, R5, R12, R13), and assessment of the **impact of agricultural research** in particular (101, 104, 105, 108, 110, 112, 114, 121, 122, 123, 126, 135, 139, 156, 162, 190, 202, 235, 236, 237, 238, 257, 263, 273) and the impact of **climatic variability** (3, 9, 12, 16, 27, 34, 35, 62, 57, 69, 81, 83, 111, 116, 117, 118, 124, 127, 128, 129, 130, 132, 134, 154, 209).

Early effort was devoted to the application of ideas from **Bayesian statistics** (9, 18, 22, 25, 61, 147) and **decision analysis** with particular attention to review and **exposition** (8, 30, 35, 46, 50, 54, 55, 68, 115, 221, 277) and development of **method** (33, 40, 43, 44, 52, 56, 64, 73, 78, 79, 80, 82, 84, 87, 88, 100, 113, 125, 165, 270, R2), particularly for **risky project appraisal** (95, 100, 113, 148, 151, 152, 194, 195, 205, 209). A related inter-disciplinary activity has been concerned with methodological and empirical work on **systems modeling and simulation** (15, 16, 17, 31, 32, 38, 42, 48, 58, 72, 74, 86, 155, 179, 205, 232, 252).

Other work listed has been concerned with **agricultural management** (3, 11, 13, 15, 21, 44, 47, 52, 67, 76, 131) and **agricultural economics** (23, 26, 29, 36, 37, 45, 60, 62, 63, 69, 85, 99, 106, 119, 143, 150, 166, 173, 181, 192, 203, 276, R8) with particular attention to questions of **allocative efficiency** (18, 28, 37, 56, 78, 88), of **environmental issues** (66, 199, 201, 207, 215, 272, 274, R9), of **evaluation of new technologies** (67, 73, 75, 77, 91, 92, 101, 103, 104, 133, 136, 138, 141, 142, 147, 162, 164, 167, 179, 182, 183, 189, 207, 211, 271, R10), of **economic development** (37, 67, 72, 241, R3, 180, 204, 222, 241, 265, 268, R6, R7), and of the **world food situation** (181, 187, 198, 210, 248, 253, 254, R11).

More recent work has been concentrated on the policy implications of **risk and instability** in markets generally (59, 63, 69, 70, 71, 72, 74, 94, 95, 100, 102, 127, 132, 146, 148, 149, 151, 152, 158, 165, 167, 170, 175, 184, 188, 195, 216, 217, 221, 243, 244, 259, 262, 264, 266, 268), and **food security** specifically (93, 181, 188, 213, 278), **farming systems research** (96, 97, 98, 105, 109, 120, 156, 169), **soil conservation/land degradation** (144, 172, 187, 212, 228, 228).

Other continuing themes have been on **agricultural research** (mentioned four paragraphs above), as well as **agricultural research policy** in general (national, regional and international) (124, 126, 145, 153, 156, 157, 158, 159, 160, 161, 162, 163, 168, 169, 174, 176, 186, 191, 192, 193, 196, 197, 203, 204, 208, 214, 218, 219, 220, 223, 224, 226, 227, 229, 230, 233, 239, 240, 247, 251, 258, 260, 261, 271), along with **agricultural extension** (173, 223, 231, 242, 245, 246, 249, 256, 275), and with specific concern for **natural resource management** work (182, 185, 187, 199, 200, 201, 207, 215, 225, 235, 250, 251, R9, R14).

**Publications** (approximately chronological in date of production, not date of publication):

- 1 McCarthy, W.O. and Anderson, J.R. (1966), "Applied aspects of farmer decision making", *Proceedings of the Committee on Economics of Range Use and Development*, Western Agricultural Economics Research Council, Berkeley, California, 141-59.
- 2 Anderson, J.R. (1967), "Economic interpretation of fertiliser response data", *Review of Marketing and Agricultural Economics* 35(1), 43-57.
- 3 Rickards, P.A. and Anderson, J.R. (1967), "The influence of technical productivity and availability of carry-over finance on optimum post-drought recovery", *Fm Mgt* 3(1), 1-10.
- 4 Anderson, J.R. (1967), "Some practical notions for estimating agricultural production functions", *Journal of the Australian Institute of Agricultural Science* 33(3), 241-6.
- 5 Anderson, J.R. and Dillon, J.L. (1968), "Economic considerations in response research", *American Journal of Agricultural Economics* 50(1), 130-42.
- 6 Anderson, J.R. (1968), "Economics and animal production research", *Proceedings of the Australian Society of Animal Production* 7, 428-33.
- 7 Anderson, J.R. (1968), "A note on some difficulties in response analysis", *Australian Journal of Agricultural Economics* 12(2), 46-53.
- 8 Officer, R.R. and Anderson, J.R. (1968), "Risk, uncertainty and farm management decisions", *Review of Marketing and Agricultural Economics* 36(1), 3-19.
- 9 Byerlee, D.R. and Anderson, J.R. (1969), "Value of predictors of uncontrolled factors in response functions", *Australian Journal of Agricultural Economics* 13(2), 118-27.
- 10 Anderson, J.R. and Dillon, J.L. (1969), "A comparison of response surface and factorial designs in agricultural research: Comment", *Review of Mktg and Agric. Econ.* 37(2), 130-2.
- 11 Anderson, J.R. (1970), "A case study of spatial diversification of pastoral sheep holdings", *Review of Marketing and Agricultural Economics* 38(3), 137-41.
- 12 Anderson, J.R. (1970), "Rainfall correlations in the pastoral zone of eastern Australia", *Australian Meteorological Magazine* 18(1), 94-101.
- 13 Anderson, J.R. (1970), *Economic Aspects of Risk in Resource Use, Farm Size and Spatial Diversification in Extensive Woolgrowing*, Agricultural Economics and Business Management Report No. 8, University of New England, Armidale, pp. 249.
- 14 Anderson, J.R. and Dillon, J.L. (1970), "Economic considerations in response research: Further comment", *American Journal of Agricultural Economics* 52(4), 609-10.
- 15 Dent, J.B. and Anderson, J.R. (1971), "Systems, management and agriculture", In J.B. Dent and J.R. Anderson (eds.), *Systems Analysis in Agric. Management*, Wiley, Sydney, 3-14.
- 16 Anderson, J.R. (1971), "Spatial diversification of high-risk sheep farms", In J.B. Dent and J.R. Anderson (eds.), *Systems Analysis in Agricultural Management*, Wiley, Sydney, 239-66.
- 17 Anderson, J.R. and Dent, J.B. (1971), "Agricultural systems analysis: Retrospect and prospect", In J.B. Dent and J.R. Anderson (eds.), *Systems Analysis in Agricultural Management*, Wiley, Sydney, 383-8.
- 18 Dillon, J.L. and Anderson, J.R. (1971), "Allocative efficiency, traditional agriculture and risk", *American Journal of Agricultural Economics* 53(1), 26-32.
- 19 Anderson, J.R. (1971), "Guidelines for applied research: Designing, reporting and interpreting experiments", *Review of Marketing and Agricultural Economics* 39(3), 3-14.
- 20 Dent, J.B. and Anderson, J.R. (eds.) (1971), *Systems Analysis in Agricultural Management*, Wiley, Sydney, pp. xviii + 394.
- 21 Anderson, J.R. (1971), "Economic aspects of spatial diversification of sheep enterprises in the pastoral zone", *Review of Marketing and Agricultural Economics* 39(4), 112-3.

- 22 Anderson, J.R. and Dillon, J.L. (1971), "On estimating allocative efficiency in cross-sectional analysis of production", *Australian Journal of Agricultural Economics* 15(3), 146-50.
- 23 Anderson, J.R. (1972), "Economic models and agricultural production systems", *Proceedings of the Australian Society of Animal Production* 9, 77-83.
- 24 Anderson, J.R. (1972), "Allocation of resources in agricultural research", *Journal of the Australian Institute of Agricultural Science* 38(1), 7-13.
- 25 Anderson, J.R. (1972), "Statistical decisions for management", *Farm Mgt.* 8(1), 32-34.
- 26 Anderson, J.R. (1972), "Risk and farm size in the pastoral zone", *Australian Journal of Agricultural Economics* 16(1), 1-10.
- 27 Francisco, E.M. and Anderson, J.R. (1972), "Chance and choice West of the Darling", *Australian Journal of Agricultural Economics* 16(2), 82-93.
- 28 Dillon, J.L. and Anderson, J.R. (1972), "Allocative efficiency, traditional agricultural and risk: Reply", *American Journal of Agricultural Economics* 54(3), 524.
- 29 Anderson, J.R. (1972), "An overview of modelling in agricultural management", *Review of Marketing and Agricultural Economics* 40(3), 111-22.
- 30 Anderson, J.R. and Hardaker, J.B. (1972), "An appreciation of decision analysis in management", *Review of Marketing and Agricultural Economics* 40(4), 170-84.
- 31 Anderson, J.R. (1972), "Studying the firm through simulation", *Soochow Journal of Literature and Social Studies* 2, 183-91.
- 32 Anderson, J.R. and Dent, J.B. (1972), "Systems simulation and agricultural research", *Journal of the Australian Institute of Agricultural Science* 36(4), 264-9.
- 33 Anderson, J.R. (1973), "Risk aversion and polynomial preference", *Australian Economic Papers* 12(21), 261-2.
- 34 Anderson, J.R. (1973), "Sparse data, climatic variability, and yield uncertainty in response analysis", *American Journal of Agricultural Economics* 55(1), 77-82.
- 35 Anderson, J.R. and Hardaker, J.B. (1973), "Management decisions and drought", In J.V. Lovett (ed.), *The Environmental, Economic and Social Significance of Drought*, Angus and Robertson, Sydney, 220-44.
- 36 Anderson, J.R. and Powell, R.A. (1973), "Economics of size in Australian farming", *Australian Journal of Agricultural Economics* 17(1), 1-16.
- 37 Anderson, J.R. and Jodha, N.S. (1973), "On Cobb-Douglas and related myths", *Economic and Political Weekly* 8(26), A65-6.
- 38 Anderson, J.R. (1974), "Simulation: Methodology and application in agricultural economics", *Review of Marketing and Agricultural Economics* 42(1), 3-55.
- 39 Stuckey, J.A. and Anderson, J.R. (1974), "Demand analysis of the Sydney banana market", *Review of Marketing and Agricultural Economics* 42(1), 56-70.
- 40 Anderson, J.R. (1974), "Sparse data, estimational reliability, and risk-efficient decisions", *American Journal of Agricultural Economics* 56(3), 564-72.
- 41 Anderson, J.R. (1974), "Sparse data, climatic variability, and yield uncertainty in response analysis: Reply", *American Journal of Agricultural Economics* 56(3), 647.
- 42 Dent, J.B. and Anderson, J.R. (eds.) (1974), *El Analisis de Sistemas de Administracion Agricola*, Editorial Diana, Mexico, pp. 463. {Spanish edition of #20}
- 43 Anderson, J.R. (1974), "Risk efficiency in the interpretation of agricultural production research", *Review of Marketing and Agricultural Economics* 42(3), 131-84.
- 44 Anderson, J.R. (1975), "Programming for efficient planning against non-normal risk", *Australian Journal of Agricultural Economics* 19(2), 94-107.

- 45 Anderson, J.R. (1975), "One more or less cheer for optimality", *Journal of the Australian Institute of Agricultural Science* 41(3), 195-7.
- 46 Anderson, J.R. (1975), "Implications of risk for systems research", In Proceedings of an International Seminar on Systems Research in Agricultural Production, IICA/EMBRAPA, Brasilia, mimeo, pp. 10.
- 47 Anderson, J.R. (1976), *On Formulating Advice to Farmers from Agronomic Experiments*, Agricultural Economics and Business Management Miscellaneous Publication No. 3, University of New England, Armidale, pp. 43.
- 48 Anderson, J.R. (1976), "Essential probabilistics in modelling", *Agric. Systems* 1(3), 219-31.
- 49 Perrin, R.K., Moscardi, E.R., Winkelmann, D.L. and Anderson, J.R. (1976), *From Agronomic Data to Farmer Recommendations: An Economics Training Manual*, CIMMYT Information Bulletin 27, Mexico, pp. 51, published also in 1976-79 in Arabic, French, Spanish, Turkish.
- 50 Anderson, J.R. (1976), "On making decisions", *SPAN* 19(3), 120-2.
- 51 Anderson, J.R. (1976), "On formalized opinion of peers in monitoring agricultural research", *Review of Marketing and Agricultural Economics* 44(3), 119-22.
- 52 Anderson, J.R. (1976), *Methods and Programs for Analysis of Risky Gross Margins*, Agricultural Economics and Business Management Miscellaneous Publication No. 5, University of New England, Armidale, pp. 39.
- 53 Anderson, E.A. and Anderson, J.R. (1977), *Horse and Pony Nutrition*, 2nd edn, Williams, Adelaide, pp. 103.
- 54 Richardson, R.A., Hardaker, J.B. and Anderson, J.R. (1977), "Farm-level decision models for developed agriculture", In T. Dams and K.E. Hunt (eds.), *Decision Making and Agriculture*, Oxford Agricultural Economics Institute for IAAE, 105-15.
- 55 Anderson, J.R., Dillon, J.L. and Hardaker, J.B. (1977), *Agricultural Decision Analysis*, Iowa State University Press, Ames, pp. 344, Hungarian translation by Gy Ernyei and V. Janata, Mezőgazdasági Kiadó, 1981.
- 56 Anderson, J.R. (1977), *Risk Efficient Monte Carlo Programming: A Manual*, Agricultural Economics and Business Management Miscellaneous Publication No. 6, University of New England, Armidale, pp. 56.
- 57 Watson, W.D. and Anderson, J.R. (1977), "Spatial vs. time-series data for assessing response risk", *Review of Marketing and Agricultural Economics* 45(3), 80-4.
- 58 Anderson, J.R. (1977), "Experiences with simulation in agriculture and economics", In *Proceedings of a Symposium on Developments in Simulation Theory*, Statistical Society of Australia (New South Wales) and Aust. Society for Operations Research, Sydney, 193-7.
- 59 Anderson, J.R., Hazell, P.B.R. and Scandizzo, P.L. (1977), "Considerations in designing commodity stabilization schemes", *American Journal of Agric. Economics* 59(5), 908-11.
- 60 te Kloot, J.R. and Anderson, J.R. (1977), "Estimation of technological change in the pastoral zone", *Review of Marketing and Agricultural Economics* 45(4), 159-66.
- 61 Anderson, J.R. and Doran, H.E. (1978), "Aspects of simple functions of random variables", *Review of Marketing and Agricultural Economics* 46(1), 37-47.
- 62 Anderson, J.R. and Bruyn, P.A. (1978), "Do economic factors cause change in productivity and stability in the New South Wales arid zone?", *Australian Rangelands J.* 1(2), 200-3.
- 63 Griffiths, W.E and Anderson, J.R. (1978), "Specification of agricultural supply functions: Empirical evidence on wheat in southern New South Wales", *Australian Journal of Agricultural Economics* 22(2&3), 115-28.

- 64 Anderson, J.R. (1978), "A note on two-point risks, certainty equivalents and quadratic preference", *Review of Marketing and Agricultural Economics* 46(2), 138-40.
- 65 Anderson, J.R. (1978) "An analysis of publication performance in a university department of agricultural economics", *Rev. of Marketing and Agricultural Economics* 46(2), 150-3.
- 66 Anderson, J.R. (1979), "Economics, management and decisions in range systems", In K.M.W. Howes (ed.), *Rangeland Ecosystem Evaluation and Management*, Australian Rangeland Society, Perth, 248-56.
- 67 Anderson, J.R. and Hardaker, J.B. (1979), "Economic analysis in design of new technologies for small farmers", In A. Valdés, G.M. Scobie and J.L. Dillon (eds.), *Economics and the Design of Small-Farmer Technology*, Iowa State University Press, Ames, 11-26.
- 68 Anderson, J.R. (1979), "Perspective on models of uncertain decisions", In J.A. Roumasset, J-M. Boussard and I. Singh (eds.), *Risk, Uncertainty and Agricultural Development*, SEARCA, College, Laguna, Philippines, 39-62.
- 69 Anderson, J.R.(1979), "Impacts of climatic variability in Australian agriculture: A review", *Review of Marketing and Agricultural Economics* 49(3), 147-77.
- 70 Quiggin, J.C. and Anderson, J.R. (1979), "Stabilisation and risk reduction", *Australian Journal of Agricultural Economics* 23(3), 191-206.
- 71 Quiggin, J.C. and Anderson, J.R. (1981), "Price bands and buffer funds", *Economic Record* 57(156), 67-73.
- 72 Anderson, J.R., Blitzer, C., Cauchois, E. and Grilli, E. (1981), "A dynamic simulation model of the world jute economy", *European Economic Review* 16(2/3), 303-31.
- 73 Anderson, J.R. (1983), "Reviewing agricultural technologies when farmers' degrees of risk aversion are unknown", In R.D. Norton and L. Solís M. (eds.), *The Book of CHAC: Programming Studies for Mexican Agriculture*, Johns Hopkins University Press, Baltimore, 290-314.
- 74 Scandizzo, P.L., Hazell, P.B.R. and Anderson, J.R. (1983), "Producers' price expectations and the size of welfare gains from price stabilisation", *Review of Marketing and Agricultural Economics* 51(2), 93-107.
- 75 Anderson, J.R. (1980), "Nature and significance of risk in the exploitation of new technology", In J.G. Ryan and H.L. Thompson (eds.), *Socioeconomic Constraints to Development of Semi-Arid Tropical Agriculture*, ICRISAT, Hyderabad, India, 297-302.
- 76 Hardaker, J.B. and Anderson, J.R. (1981), "Why farm recording systems are doomed to failure", *Review of Marketing and Agricultural Economics* 49(3), 199-202.
- 77 Herath, H.M.G., Hardaker, J.B. and Anderson, J.R. (1982), "Choice of varieties by Sri Lanka rice farmers: Comparing alternative decision models", *American Journal of Agricultural Economics* 64(1), 87-93.
- 78 Anderson, J.R. and Griffiths, W.E. (1981), "Production risk and input use: Pastoral zone of eastern Australia", *Australian Journal of Agricultural Economics* 25(2), 149-59.
- 79 Griffiths, W.E. and Anderson, J.R. (1982) "Using time-series and cross-section data to estimate a production function with positive and negative marginal risks", *Journal of the American Statistical Association* 77(379), 529-36.
- 80 Anderson, J.R. and Leonardi, A.C. (1982), "A note on the effects of efficiency criteria and portfolio size on characteristics of efficient portfolios", *Accounting and Fin.* 22(1), 81-9.
- 81 Anderson, J.R. (1981), "Meteorological services in agronomic and economic evaluations of risk", In World Climate Program, *Proceedings of the Technical Conference on Climate - Asia and Western Pacific*, WMO - No. 578, Geneva, 205-9.

- 82 Byerlee, D. and Anderson, J.R. (1982), "Risk, utility and the value of information in farmer decision making", *Review of Marketing and Agricultural Economics* 50(3), 231-46.
- 83 Anderson, J.R. (1985), "Pt IV, Societal impacts, Ch. 41, Economic impacts", In D.D. Houghton (ed.), *Handbook of Applied Meteorology*, Wiley, New York, 1164-74.
- 84 Hardaker, J.B. and Anderson, J.R. (1982), "More gloom than doom about micro-computers for farmers", *Review of Marketing and Agricultural Economics* 50(3), 301-2.
- 85 Anderson, J.R. (1982), "Agricultural economics, interdependence, and uncertainty", *Australian Journal of Agricultural Economics* 26(2), 89-97.
- 86 Chapman, C.S. and Anderson, J.R. (1982), "Assessing risk in pasture investment through simulation", In *Proceedings of the Fifth Biennial Conference of the Simulation Society of Australia*, Armidale, 96-9.
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