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THE INTERNATIONAL RICE RESEARCH INSTITUTE
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BIBLIOGRAPHY
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This bibliography contains the publications and working papers in Agricultural Economics at IRRI for 1977 and 1978, and earlier papers that are still available. Articles are arranged in reverse chronological order by subject. Monographs indicated below are listed by individual papers. Most of these papers have previously appeared as Department or working papers. As a rule, papers that substantially duplicate each other are listed only once.

A report of the Department's work is included in the Institute's Annual Report. Copies for 1967, 1969, 1970, 1972, 1973, 1974, 1975 and 1976 are available and may be obtained upon request. These provide a brief summary of the significant work of the Department.

Papers are arranged according to the following subject classification:

- I. MONOGRAPHS
- II. Output Growth
 - A. Constraints to Increased Rice Production
 - B. Productivity and Efficiency in Rice Production
- III. Policy
 - A. Evaluation of Alternative Policies
 - B. Response to Price Changes
- IV. Socio-economic Structure
 - A. Cropping Systems
 - B. Mechanization Systems
 - C. Water Management
 - D. Village and Household Studies
- V. Research Strategy and Benefits
- VI. Current Situation
- VII. Statistics and Data Collection

Copies of available articles may be obtained by writing to the Department of Agricultural Economics, IRRI, P. O. Box 933, Manila, Philippines.

Short
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I. MONOGRAPHS

BIBLIO

International Rice Research Institute and Agricultural Development Council, *Bibliography on Socio-Economic Aspects of Asian Irrigation*, Singapore University Press Pte. Ltd. (1976). 80 pp.

CHANGES I

International Rice Research Institute, *Changes in Rice Farming in Selected Areas of Asia*, a report of field studies in 14 regions of 6 countries, Los Baños, Laguna, Philippines. (1975) 377 pp. (Reprints of individual chapters are still available.) Includes the following papers:

- (1) R. Barker and T. Anden, *Factors Influencing the Use of Modern Rice Technology in the Study Areas*

THE STUDY AREAS

India

- (2) G. Parthasarathy, *West Godavari, Andhra Pradesh*
(3) V. Rajogopalan, *North Arcot, Tamil Nadu*
(4) J. S. Sharma, *Nainital and Varanasi, Uttar Pradesh*
(5) A. N. Khrisna Murthy, *Shimoga, Mysore*
(6) T. K. Pal, *Cuttack, Orissa*

Indonesia

- (7) J. Ihalauw and W. Utami, *Klaten, Central Java*
(8) D. Prabowo and Sajogyo, *Sidoarjo, East Java and Subang, West Java*

Malaysia

- (9) Moktar bin Tamin and N. Hashim Mustapha, *Kelantan, West Malaysia*

Pakistan

- (10) H. A. Chaudhari, A. Rashid, and Q. Mohy-Ud-Din, *Gujranwala, Punjab*

Thailand

- (11) J. Sriswasdilek, K. Adulavidhaya and S. Isvilanonda, *Don Chedi, Suphan Buri*

Philippines

- (12) Romeo T. Herrera, *Gapan, Nueva Ecija*
(13) T. E. Contado and R. A. Jaime, *Baybay, Leyte*
(14) J. C. Stewart and A. B. Arellano, *Hagonoy, Davao del Sur*
(15) Eva Kimpo Tan, *Pigeawayan, Cotabato*

- (16) Gelia T. Castillo, *Diversity in Unity: The Social Component of Changes in Rice Farming in Asian Villages.*

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I. MONOGRAPHS (continued)

International Rice Research Institute, *Interpretative Analysis of Selected Papers from Changes in Rice Farming in Selected Areas of Asia*, Los Baños, Philippines, (1978) 166 pp.

Analysis of Survey Data

- (1) Teresa Anden-Lacsina and Randolph Barker, *The Adoption of Modern Varieties*
- (2) Randolph Barker, *Yield and Fertilizer Input*
- (3) Cristina C. David, *Factors Affecting Fertilizer Consumption*
- (4) Randolph Barker and Robert W. Herdt, *Equity Implications of Technology Changes*

Special Village Reports

- (5) G. Parthasarathy and D. S. Prasad, *Response to the Impact of New Rice Technology by Farm Size and Tenure - Andhra Pradesh, India*
- (6) Widya Utami and John Ihalauw, *The Relation of Farm Size to Production, Land Tenure, Marketing, and Social Structure - Central Java, Indonesia*
- (7) T. K. Pal, *The Problem of Fragmentation - Orissa, India*
- (8) Romeo T. Herrera, *Impact of the Systems of Land Tenure, Credit and Water Control - Nueva Ecija, Philippines*
- (9) Haider Ali Chaudhari and Abdur Rashid, *Effect of Government Rice Policy on Choice of Crop and Variety - Punjab province, Pakistan*

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INTERIM
REPORT

International Rice Research Institute, *Constraints to High Yields on Asian Rice Farms: An Interim Report*, Los Baños, Philippines. (1977) 235 pp. Includes the following papers from study groups in the International Rice Agro-Economic Network (IRAEN):

- (1) Kwanchai A. Gomez, *On-Farm Assessment of Yield Constraints: Methodological Problems*
- (2) Ekramul Ahsan and M. Zahidul Hoque, *Bangladesh, Aman 1975, Boro 1975-76 and Aus 1976*
- (3) Sri Widodo, D. Prajitno, Sumartono, S. Sudjono, Sumangat and Mudjijo, *Kulon Progo, 1974-75, Indonesia*
R. A. Morris, H. Nataatmadja, A. S. Bagyo and A. M. Hurun, *Subang 1975-76, Indonesia*
- (4) R. Barker, S. K. De Datta, K. A. Gomez and R. W. Herdt, *Philippines 1974, 1975, 1976*
- (5) H.P.M. Gunasena, A. P. Jinadasa, T. Jogaratnam and V. Premakumar, *Giritale, Sri Lanka, 1975-76*
- (6) Yi-Chung Kho, Carson Wu and Cheng Cheng Li, *Taiwan, Second Crop 1975, First Crop 1976*
- (7) Kamphol Adulavidhaya, N. Bhasayavan, T. Chungtes, S. Duangvatana, S. Isvilanonda, J. Janpraset, S. Nakatat, S. Pisithpun, S. Suwanpimolkul, *Suphan Buri, Thailand, 1974 and 1975.*

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S. K. De Datta, K. A. Gomez, R. W. Herdt and R. Barker, *A Handbook on the Methodology for an Integrated Experiment-Survey on Rice Yield Constraints*, International Rice Research Institute, Los Baños, Philippines. (1978) 60 pp.

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Output and Supply

- (1) R. W. Herdt and T. Wickham, *Exploring the Gap Between Potential and Actual Rice Yields: The Philippine Case*
- (2) Ekramul Ahsan, *Comments on Exploring the Gap Between Potential and Actual Rice Yields: The Philippine Case*
- (3) J. F. Sison, Somsak Prakongtanapan and Y. Hayami, *Structural Changes in Rice Supply Relations: Philippines and Thailand*
- (4) J. G. Ryan, *Comments on Structural Changes in Rice Supply Relations: Philippines and Thailand*

Farm Income Structure

- (5) R. W. Herdt, *Costs and Returns for Rice Production*
- (6) P. H. Calkins, *Comments on Costs and Returns for Rice Production*
- (7) C. G. Ranade and R. W. Herdt, *Shares of Farm Earnings for Rice Production*
- (8) R. S. Sinaga and B. M. Sinaga, *Comments on Shares of Farm Earnings for Rice Production*

Labor and Mechanization

- (9) R. Barker and V. Cordova, *Labor Utilization in Rice Production*
- (10) K. Griffin, *Comments on Labor Utilization in Rice Production*
- (11) B. Duff, *Mechanization and Use of Modern Rice Varieties*
- (12) R. A. Morris and Affendi Anwar, *Comments on Mechanization and Use of Modern Varieties*

Fertilizer and Water

- (13) C. C. David and R. Barker, *Modern Rice Varieties and Fertilizer Consumption*
- (14) G. Desai, *Comments on Modern Rice Varieties and Fertilizer Consumption*
- (15) T. Wickham, R. Barker and M. W. Rosegrant, *Complementarities among Irrigation, Fertilizer and Modern Rice Varieties*
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- (17) R. E. Evenson and P. Flores, *Social Returns to Rice Research*
- (18) G. M. Scobie, *Comments on Social Returns to Rice Research*

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- (19) Y. Hayami and R. W. Herdt, *Market Price Effects of New Rice Technology on Income Distribution*
(20) P. P. Andersen, *Comments on Market Price Effects of New Rice Technology on Income Distribution*

Policy

- (21) M. Kikuchi and Y. Hayami, *New Rice Technology and National Irrigation Development Policy*
(22) A. Siamwalla, *Comments on New Rice Technology and National Irrigation Development Policy*
(23) R. Barker, E. Bennagen and Y. Hayami, *New Rice Technology and Policy Alternatives for Food Self-Sufficiency*
(24) D. D. Hedley, *Comments on New Rice Technology and Policy Alternatives for Food Self-Sufficiency*
(25) V. W. Ruttan, *New Rice Technology and Agricultural Development Policy*
(26) A. Valdez, *Comments on New Rice Technology and Agricultural Development Policy*

General Comments

- (27) C. H. H. Rao, *General Comments on the Conference*
(28) G. Ranis, *General Comments on the Conference*

PEASANT
ANATOMY

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II. OUTPUT GROWTH

II. A. CONSTRAINTS TO INCREASED RICE PRODUCTION

- 78-27 Abraham M. Mandac, *Economic Efficiency as a Constraint to High Rice Yields in Nueva Ecija, Philippines*, M.S. Thesis in Agricultural Economics, University of the Philippines at Los Baños, Laguna, Philippines, September 1978. (mimeo) 113 pp.
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- 78-08 R. Barker, *Adoption and Production Impact of New Rice Technology: The Yield Constraints Problem*, paper presented at the Conference on Farm Level Rice Yield Constraints, International Rice Research Institute, April 24-26, 1978. (mimeo) 32 pp.
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- 76-22 D. B. Antiporta, *Agroclimatic Factors in Rice Production*, paper prepared in cooperation with IRRI and the Agricultural Development Council, August 1976. (mimeo) 35 pp.
- 76-6 R. H. Bernsten, *Rice Farming in Central Luzon: Input Usage, Cultural Practices, and Yield Constraints*, paper presented at the IRRI Saturday Seminar, March 20, 1976 (mimeo) 30 pp.
- 74-6 R. W. Herdt and T. H. Wickham, *Exploring the Gap Between Potential and Actual Rice Yield in the Philippines*, published in Food Research Institute Studies, Vol. XIV, No. 2, 1975.

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II. B. PRODUCTIVITY AND EFFICIENCY IN RICE PRODUCTION

78-29 Yim Kong Ming, *An Economic Analysis of the Factors Affecting HYV and Fertilizers Adoption in the Province of Negeri Sembilan, Peninsular Malaysia*, M.S. Thesis in Agricultural Economics, University of the Philippines at Los Baños, Laguna, Philippines. October 1978. (mimeo) 180

78-25 Govind P. Koirala, *Impact of Agricultural Credit on Farms in the Rupandehi District of Nepal*, MA Thesis in Economics, University of the Philippines, Diliman, August 1978. (mimeo), 81 pp.

78-23 Cyril Bogahawatte, *Assessing the Impact of Rainfed-Upland Rice Project (RURP) on Rice Farming Practices in Bulacan, Central Luzon*, M.S. Thesis in Agricultural Economics, University of the Philippines at Los Baños, Laguna, Philippines. June 1978. (mimeo) 131 pp.

78-22 Elvira Liwag-Nguyen, *The Influence of Weather on Rice Production*, M.A. Thesis in Economics, University of the Philippines, Diliman, March 1978. (mimeo) 144 pp.

78-20 Djamaluddin, *Interregional Cooperative Advantage in Rice Production in Indonesia: A Domestic Resource Study*, Ph. D. dissertation in Economics, University of the Philippines, Diliman, January 1978. (mimeo) 177 pp.

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77-5 Mark W. Rosegrant, *Risk and Farmer Decision-Making: A Model for Policy Analysis*, paper presented at the IRRI Saturday Seminar, April 23, 1977. (mimeo) 22 pp.

77-2 R. Barker, Sumalee Apiraksirikul and D. Antiporta, *Sources of Output Growth in Asian Food Grains*, included in the Proceedings of the Food Crisis Workshop, sponsored by the Ramon Magsaysay Center and the Southeast Asian Regional Center for Graduate Study and Research in Agriculture, Philippines, February 7-9, 1977.

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III. POLICY

A. EVALUATION OF ALTERNATIVE POLICIES

- 78-30 William E. James, *An Economic Analysis of Land Settlement Alternatives in the Philippines*, IRRI, October 30, 1978. (mimeo) 58 pp.
- 78-28 Amanda Te, *An Economic Analysis of Reserve Stock Program for Rice in the Philippines*, Ph.D. dissertation in Economics, University of the Philippines, Diliman, October 1978. (mimeo) 128 pp.
- 78-26 Alfian Lains, *Regional Concentration in Expansion of Rice Production in Indonesia*, Ph.D. dissertation in Economics, University of the Philippines, Diliman, August 1978. (mimeo) 205 pp.
- 78-17 Amanda Te, *An Economic Analysis of Reserve Stock Program for Rice in the Philippines*, paper presented at the IRRI Saturday Seminar, October 14, 1978. (mimeo) 41 pp.
- 78-03 R. W. Herdt, A. Te and R. Barker, *Prospects for Rice Production and Consumption in the Philippines - A Preliminary Report (revised)*, paper presented at the Second Workshop in International Cooperative Project on National Rice Programs, IRRI, Los Baños, Philippines, March 14-16, 1978. (mimeo) 27 pp.
- 77-8 Sumalee Apiraksirikul and Randolph Barker, *Rice Trade Policy as It Relates to National Objectives in the Philippines*, IRRI, June 1977. (mimeo) 30 pp. (Revised Paper No. 76-7).
- 77-6 Bruce A. Best, *Some Socioeconomic Causes for Low Repayment Rates of Noncollateral Institutional Rice Loans in the Philippines*, paper presented at IRRI Saturday Seminar, May 21, 1977. (mimeo) 23 pp.
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- 76-16 Y. Hayami, R. Barker and E. Benrigen, *Price Incentives versus Irrigation Investment: Policy Alternatives for Food Self-Sufficiency in Developing Countries*, published in the American Journal of Agricultural Economics, Vol. 59, November 1977, pp. 717-721.
- 76-13 R. Barker and Y. Hayami, *Price Support Versus Input Subsidy for Food Self-Sufficiency in Developing Countries*, published in the American Journal of Agricultural Economics, Vol. 58, No. 4, November 1976, pp. 617-628.

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75-14 Y. Hayami, C. C. David, P. Flores and M. Kikuchi, *Agricultural Growth Against a Land Resource Constraint : The Philippine Experience*, published in the Australian Journal of Agricultural Economics, Vol. 20, No. 3, December 1976, pp. 144-159.

B. RESPONSE TO PRICE CHANGES

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IV. SOCIO-ECONOMIC STRUCTURE

A. CROPPING SYSTEMS

78-21 Sultoni Arifin, *The Effect of Village Labor Resource on the Feasibility of New Cropping System in Indonesia*, M. S. Thesis in Agricultural Economics, University of the Philippines at Los Baños, Laguna, Philippines, March 1978. (mimeo) 194 pp.

8-10 C. Barlow, S. Jayasuriya, V. Cordova, L. Yambao, C. Bantilan, C. Maranan and N. Roxas, *On Measuring the Economic Benefits of New Technologies to Small Rice Farmers*, IRRI, August 1978.

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- IV. A. CROPPING SYSTEMS (continued)
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- 76-8 Tirso Paris, *A Computer Simulation Model for Farm-Level Multiple Cropping Systems*, paper presented at IRRI Saturday Seminar, April 3, 1976. (mimeo) 31 pp.
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- 76-18 A. Hafid and Y. Hayami, *Mobilizing Local Resources for Irrigation Development: The Subsidi Desa Case of Indonesia*, paper presented at IRRI Saturday Seminar, May 29, 1976. (mimeo) 23 pp.
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- D. VILLAGE AND HOUSEHOLD STUDIES
- 78-19 Antonio J. Ledesma, *Rice Farmers and Landless Rural Workers: Perspectives from the Household Level*, paper presented at IRRI Saturday Seminar, October 28, 1978. (mimeo) 48 pp.
- 78-18 Geronimo E. Dozina, Jr., *Agrarian Adaptation to Demographic and Technological Changes in Two Central Luzon Villages*, paper presented at IRRI Saturday Seminar, October 21, 1978. (mimeo) 36 pp.
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- 78-13 M. Kikuchi, V. Cordova, E. Marciano and Y. Hayami, *Changes in Rice Harvesting Systems in Central Luzon and Laguna*, Project "Dynamics of Agrarian Change" Report No. 3, IRRI, September 1978.
- 78-01 M. Kikuchi, N. Fortuna, L. Bambo and Y. Hayami, *Polarization of a Laguna Village*, paper presented at the Village Level Studies Workshop, IRRI, Los Baños, Philippines, March 17-18, 1978. (mimeo) 28 pp.
- 77-17 Celia C. Capule, *Education, Extension and Nutritional Status in Laguna Rice Households*, M.A. Thesis in Economics, University of the Philippine Diliman, October 1977. (mimeo) 129 pp.
- 77-11 M. Kikuchi, L. Maligalig-Bambo, and Y. Hayami, *Evolution of Land Tenure System in a Laguna Village*, Project "Dynamics of Agrarian Change" Report No. 1, IRRI, July 1977. (mimeo) 46 pp.
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- 76-17 P. M. Flores, R. E. Evenson and Y. Hayami, *Social Returns to Rice Research in the Philippines: Domestic Benefits and Foreign Spillover*, paper presented at IRRI Saturday Seminar, May 22, 1976. (mimeo) 25 pp.
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