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# INDIAN JOURNAL OF AGRICULTURAL ECONOMICS



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## PUBLICATIONS RECEIVED

Chand Gyan, *Socialist Transformation of Indian Economy*, Allied Publishers, Bombay, 1965. Pp. 628. Rs. 21.00.

Food and Agriculture Organization of the United Nations, *The Stabilization of World Trade in Coarse Grains—A Consideration of Underlying Economic Issues*, FAO Commodity Policy Studies 14, Rome, 1963. Pp. iv+59+65. \$2.00.

Food and Agriculture Organization of the United Nations, *Trade in Agricultural Commodities in the United Nations Development Decade*, FAO Commodity Review 1964, Special Supplement, Vol. I, Parts I to III, Pp. iv+287; Vol. II, Part IV, Pp. xxiv+196; Rome, 1964. £7.00.

Food and Agriculture Organization of the United Nations, *The State of Food and Agriculture — Review of the Second Postwar Decade*, Rome, 1965. Pp. xi+273. \$7.50.

International Co-operative Alliance, *Research in Co-operation in India — A Review*, New Delhi, 1965. Pp. 116.

International Rice Research Institute, *The Mineral Nutrition of the Rice Plant*—Proceedings of a Symposium at the International Rice Research Institute, February 1964, John Hopkins Press, Baltimore, Maryland, U. S. A., Oxford and IBH Publishing Co., Calcutta, 1965. Pp. ix+494.

Maharashtra, Government of, *A Pocket Guide Containing Important Statistics Relating to Co-operative Movement in Maharashtra (upto 1963-64)*, Co-operative Department, Maharashtra State, Poona, 1965. Pp. 15.

National Council of Applied Economic Research, *Export Prospects of Pepper*, New Delhi, 1965. Pp. vi+105. Rs. 10.50.

Pakistan, Government of, *Pakistan Economic Survey 1964-65*, Prepared by Economic Adviser, the Ministry of Finance, Rawalpindi, Manager of Publications, Government of Pakistan, Karachi, 1965. Pp. xxxiii+152. Rs. 10.00.

Rao, C. H. Hanumantha, *Agricultural Production Functions, Costs and Returns in India*, Institute of Economic Growth, Delhi, Asia Publishing House, Bombay, 1965. Pp. xi+99. Rs. 12.00.

Roy, Himansu, *Tea Price Stabilisation—The Indian Case*, World Press Private Ltd., Calcutta, 1965. Pp. viii+204. Rs. 15.00.

Ruttan, Vernon W., *The Economic Demand for Irrigated Acreage—New Methodology and Some Preliminary Projections, 1954-1980*, Resources for the Future, Inc., Washington, D.C., John Hopkins Press, Baltimore, Maryland, U.S.A., 1965. Pp. xi+139. \$4.00.

Sarva Seva Sangh — Krishi Goseva Samiti, *Fiscal Policies and Economic Growth — Building from Below*, New Delhi, 1965. Pp. viii+230. Rs. 5.00.

Shukla, Tara, *Capital Formation in Indian Agriculture*, Vora & Co., Publishers Private Ltd., Bombay, 1965. Pp. xiv+261. Rs. 20.00.

Tsunoyama, Sakae, *A Concise Economic History of Modern Japan*, Vora & Co., Publishers Private Ltd., Bombay, 1965. Pp. viii+132. Rs. 9.00.

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|      | 8   | "A Inquiry into the Effects of the Working of Tenancy Legislation in the Baroda District of Bombay State," by V. Y. Kolhatkar and S. D. Mahabal, M. S. University of Baroda, Baroda (Publishers: Same); 1958 ; (Price on enquiry).   |
|      | 9   | "Economic and Social Effects of Jagirdari Abolition and Land Reforms in Hyderabad," by A. M. Khusro, Osmania University, Hyderabad (Publishers: Same); 1958 ; Rs. 8.   |
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- 1965 38 "A Study of Land Reforms in Rajasthan," by Dool Singh; Sole Distributors : Students Agency, Birla Vidyavihar, Pilani (Rajasthan); Rs. 22-50 ; Dollar 6-00 ; Sh. 42.
- 39 "Evaluation of the Benefits of the Nizamsagar Irrigation Project," by Mrs. M. F. Jussawala; Publishers : Nizam College, Osmania University, Hyderabad-Dn; Rs. 30.
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Group Marketing ... ..	P. R. Dodds
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Secondary Schooling and Socio-Economic Structure in Brazil	R. J. Havighurst
Economic Changes in the Composition of the Teaching Staff of Secondary Schools in Brazil ...	Aparecida Gouveia
The Role of Village Schools in the Process of Cultural and Economic Modernization ... ..	Manning Nash
Some Observations on the Educational Position of the British Caribbean ... ..	G. W. B. Berts and N. Abdulah
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No. 2

### CONTENTS

#### ARTICLES

- |  |  |
|--|--|
| Industrialization and Culture ... ..   | <i>A. Rashid Ibrahim</i>                     |
| Economic Determinants of Jute Production in<br>India and Pakistan ... ..             | <i>A. K. M. Ghulam Rabbani</i>               |
| Estimation of Nuptiality and its Analysis from<br>the Census Data of Pakistan ... .. | <i>Nasim M. Sadiq</i>                        |
| Tariff Protection, Import Substitution and Invest-<br>ment Efficiency ... ..         | <i>Ronald Soligo and<br/>Joseph J. Stern</i> |

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- |   |   |
|---|---|
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| Comment: On Estimating Pakistan's Vital Rates | <i>Warren C. Robinson</i>                       |
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