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**PROCEEDINGS**  
**of the**  
**FOURTH WEST INDIAN**  
**AGRICULTURAL ECONOMICS CONFERENCE**

held at the  
UNIVERSITY OF THE WEST INDIES,  
CAVE HILL, BARBADOS

March 23 - 29, 1969

CARLISLE A PEMBERTON

DEPARTMENT OF AGRICULTURAL ECONOMICS AND  
FARM MANAGEMENT

## FOREWORD

The Fourth West Indies Agricultural Economics Conference was held in Barbados, in April 1969, at the Cave Hill Campus of The University of the West Indies. The Conference was jointly organised by the Head of the Department of Agricultural Economics and Farm Management of the University, and the Barbados Ministry of Agriculture, Labour and National Insurance.

The theme 'Diversification, Import Substitution and Regional Economic Integration in West Indian Agriculture' attracted a record attendance of persons to the Conference country. Interest was further stimulated by a challenging Opening Address by the Prime Minister of Barbados, Mr. Errol Barrow.

Two distinctive features of the Conference were a Session which examined the case of the host territory, in relation to the Conference theme, and a Tour which illustrated the theme very closely. These features were so valuable that it was decided to include them in subsequent Conferences.

Despite the general satisfaction with the Conference and particular appreciation of some parts (such as the Session on the Agricultural Marketing Protocol of CARIFTA, and the Workshop Discussions), there was a recognition that future Conferences could be improved by greater preparation on the part of participants. Such preparation would improve the approach and presentation of papers: the circulation of papers well before the Conference would encourage better informed and more thoughtful discussion in the general and workshop sessions. Some participants also felt that relevant empirical studies should make a greater contribution to the Conference papers, so that theoretical discussions could be adequately complemented. It is hoped that these suggestions could be implemented in subsequent Conferences.

Invitations from the Governments of Dominica and Guyana to hold Conferences in their countries have been accepted. The Fifth Conference will be held in Dominica from April 5 to 11, 1970, and the Sixth will be held in Guyana in 1971. The Conference in Dominica will have two main themes: the prospect for agricultural development in the smaller territories, and the role of small farming in the Commonwealth Caribbean.

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and Farm Management,  
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## EDITOR'S NOTE

Papers have been published with as few changes as possible. In a couple of cases, however, papers have been rearranged or condensed with the author's consent. One very long paper has not been included, as it was not possible to contact the author to arrange for an abbreviated version. However, a short summary of this paper, as well as a report of the discussion following its presentation, has been included.

Notes were made of the discussion of papers by a team of Rapporteurs, led by Mr. K. A. Ingersent, F.A.O. Farm Management Consultant attached to the Barbados Ministry of Agriculture. From these notes the Discussion Reports have been produced. Reports of the Workshop Sessions, compiled by the Secretaries of the various workshops, are also included.

Most of the work has been done by Miss A. Persad and Miss M. Strachan, Technical Assistant and Graduate Assistant in the Department of Agricultural Economics and Farm Management. The responsibility for editing these Proceedings is, however, mine.

D.T.E.

**All currency used in this publication is quoted in \$ W.I. unless otherwise specified.**

## ACKNOWLEDGEMENT

During the planning and actual running of the Conference, assistance was forthcoming from many quarters; some of these deserve special mention. I wish to express my thanks to the Government of Barbados for their contribution of finance and the services of personnel, and for entertaining delegates; to I.S.E.R. at Cave Hill for providing secretarial help; to Mr. Ronald Baynes, Agronomist based at Cave Hill, who helped to co-ordinate preparations on the Campus; to Mr. K. A. Ingersent and his team of Rapporteurs, which included G. Reid, R. Rawlins, J. Cropper, G. Allanson and L. Rankine; to Texaco (Trinidad) Limited, through Mr. J. Goellnicht, for providing folders; to the Tourist Board of Barbados for their co-operation in registering participants at the Airport; to the several persons who helped to organise and conduct the Workshop and Business Sessions; to authors of papers; and to members of my Department who assisted in a variety of ways.

D.T.E.

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