Preparation and submission of manuscripts. Detailed instructions on the preparation of manuscripts are printed at the back of the first number of each volume of this journal.

Potential contributors are asked to give careful attention to these instructions. This will greatly assist the editors and thus speed the processing of their contributions.

Copying: This journal is registered with the Copyright Clearance Center, 27 Congress St., Salem, Mass. 01970. Organizations in the USA who are also registered with C.C.C. may therefore copy material (beyond the limits permitted by sections 107 and 108 of US copyright law) subject to payment to C.C.C. of the per copy fee of \$5.00. This consent does not extend to multiple copying for promotional or commercial purposes. Code 0014-4797/90 \$5.00 + .00.

ISI Tear Sheet Service, 3501 Market Street, Philadelphia, Pennsylvania 19104, USA, is

authorized to supply single copies of separate articles for private use only.

For all other use, permission should be sought from Cambridge or the American Branch of Cambridge University Press.

Experimental Agriculture

CONTENTS

Derek Byerlee, Bernard Triomphe and Michel Sébillotte: Integrating Agronomic and Economic Perspectives into the Diagnostic Stage of On-farm Research (Farming Systems Series – Number 28)	95
Allan Low and S. R. Waddington: Farming Systems Adaptive Research: Achievements and Prospects in Southern Africa (Farming Systems Series – Number 29)	115
S. Fukai, L. Li, P. T. Vizmonte and K. S. Fischer: Control of Grain Yield by Sink Capacity and Assimilate Supply in Various Rice (Oryza sativa) cultivars	127
N'guettia R. Yao, Kabrah Yeboua and Angbonou Kafrouma: Effect of Intensity and Timing of Defoliation on Growth, Yield Components and Grain Yield in Maize	137
S. N. Silim, M. C. Saxena and W. Erskine: Effect of Sowing Date on the Growth and Yield of Lentil in a Rainfed Mediterranean Environment	145
R. Shorter, R. J. Lawn and G. L. Hammer: Improving Genotypic Adaptation in Crops – a Role for Breeders, Physiologists and Modellers	155
William Stephens and M. K. V. Carr: Responses of Tea (Camellia sinensis) to Irrigation and Fertilizer. I. Yield	177
William Stephens and M. K. V. Carr: Responses of Tea (Camellia sinensis) to Irrigation and Fertilizer. II. Water Use	193
Suzanne C. Nelson, Gary P. Nabhan and Robert H. Robichaux: Effects of Water, Nitrogen and Competition on Growth, Yield and Yield Components of Field-grown Tepary Bean	211
J. M. Ngeve and J. C. Bouwkamp: Effects of Sweet Potato Virus Disease (SPVD) on the Yield of Sweet Potato Genotypes in Cameroon	221
Book Reviews	227

CAMBRIDGE UNIVERSITY PRESS

The Pitt Building, Trumpington Street, Cambridge CB2 1RP 40 West 20th Street, New York, NY 10011–4211, USA 10 Stamford Road, Oakleigh, Melbourne 3166, Australia

Printed in Great Britain at the University Press, Cambridge