

## CONTENTS

|   | Page |
|---|------|
| Preface   | vii  |
| <br><b>Measurement of Working Capacity in Populations</b>   |      |
| R. J. Shephard:<br>Work capacity: methodology in a tropical environment   | 1    |
| J. M. Patrick:<br>Ventilatory capacity in tropical populations: constitutional and environmental influences   | 31   |
| J. E. Cotes:<br>Is measurement of aerobic capacity a realistic objective?   | 51   |
| <br><b>Functional Consequences of Malnutrition</b>  |      |
| R. Martorell & G. Arroyave:<br>Malnutrition, work output and energy needs   | 57   |
| J.V.G.A. Durnin & S. Drummond:<br>The role of working women in a rural environment when nutrition is marginally adequate: problems of assessment                        | 77   |
| J. D. Haas, D. A. Tufts, J. L. Beard, R. C. Roach & H. Spielvogel:<br>Defining anaemia and its effect on physical work capacity at high altitudes in the Bolivian Andes | 85   |
| G. B. Spurr:<br>Marginal malnutrition in childhood: implications for adult work capacity and productivity   | 107  |
| A. Ferro-Luzzi:<br>Marginal energy malnutrition: some speculations on primary energy sparing mechanisms   | 141  |

|  | Page |
|--|------|
| <b>Growth, Stature and Muscular Efficiency</b>   |      |
| J. Ghesquiere & C. D'Hulst<br>Growth, stature and fitness of children in tropical areas  | 165  |
| <b>Ethnic and Socio-Cultural Differences in Working Capacity</b>   |      |
| D. F. Roberts:<br>Genetics of working capacity   | 181  |
| J. Huizinga:<br>Working capacity in different African groups   | 193  |
| S. Samueloff:<br>Environmental, genetic and leg mass influences on energy expenditure  | 205  |
| C. M. Beall & M. C. Goldstein:<br>Sociocultural influences on the working capacity of elderly Nepali men   | 215  |
| <b>Energy Expenditure and Endemic Disease</b>  |      |
| E. Bengtsson, P. O. Pehrson, A. Bjorkman, J. Brohult, L. Jorfeldt, P. Lundbergh, L. Rombo, M. Willcox & A. Hanson:<br>Malaria: working capacity in a holo- and mesoendemic region of Liberia | 227  |
| K. J. Collins, T. A. Abdel-Rahaman & M. A. Awad El Karim:<br>Schistosomiasis: field studies of energy expenditure in agricultural workers in the Sudan                                       | 235  |
| <b>Research Models in Tropical Ecosystems</b>  |      |
| R. Brooke Thomas, T. L. Leatherman, J. W. Carey & J. D. Haas:<br>Biosocial consequences of illness among small scale farmers: a research design  | 249  |
| D. J. Bradley, L. Rahmathullah & R. Narayan:<br>The tea plantation as a research ecosystem   | 277  |
| Index  | 289  |