

General Editor's Preface

v

Introduction

by *Elizabeth S. Watts, Francis E. Johnston, and
Gabriel W. Lasker*

1

Opening Remarks: The Significance of this Symposium
by *J. S. Weiner*

3

PART ONE: ADAPTATION AND ADAPTIVE STRATEGIES

Biological Adaptation: Aptitudes and Acclimatization
by *Richard B. Mazess*

9

Adaptive Strategies of Human Populations under Nutritional
Stress

19

by *William A. Stini*

An Anatomical View of Demographic Data: Biomass, Fat Mass,
and Lean Body Mass of the United States and Mexican Hu-
man Populations

43

by *Gabriel Lasker and Henry Womack*

Possible Adaptive Significance of Small Body Size in the Attain-
ment of Aerobic Capacity Among High-Altitude Quechua
Natives

55

by *A. Roberto Frisancho, Tulio Velasquez, and Jorge Sanchez*

Biological Adaptations of Prehistoric South Asian Populations
to Different and Changing Ecological Settings

65

by *Kenneth A. R. Kennedy*

PART TWO: GENETICS, SOCIETY, AND POPULATION DYNAMICS

Genetic Affinities and Origin of the Irish Tinkers by <i>Michael H. Crawford</i>	93
The Anthropological Usefulness of the IgA Allotypic Markers by <i>M. S. Schanfield</i> and <i>H. H. Fudenberg</i>	105
Genes and Society: A Study of Biosocial Interactions by <i>D. F. Roberts</i>	115
Genetic Adaptation and Sexual Selection in Sub-Saharan Africa by <i>Jean Hiernaux</i>	135
Degree of Heterozygosity and Population Structure of South American Indians by <i>Francisco M. Salzano</i>	139
Marriages in Lewis and Harris, 1861-1966 by <i>E. J. Clegg</i>	147
Culture Categories and High Life Expectancy in the Paros Community, Greece by <i>Jeff Beaubier</i>	165

PART THREE: NUTRITION, HEALTH, AND DISEASE

Biobehavioral Adaptation in the Arctic by <i>Edward F. Foulks</i> and <i>Solomon H. Katz</i>	183
The Anthropological and Nutritional Significance of Traditional Maize Processing Techniques in the New World by <i>Solomon H. Katz</i> , <i>Mary L. Hediger</i> , and <i>Linda A. Valleroy</i>	195
Interaction of Social and Ecological Factors in the Epidemiology of Helminth Parasites by <i>Hugues Picot</i> and <i>Jean Benoist</i>	233
Effects of Behavioral and Ecological Variations upon the Inci- dence of Parasitic Disease among La Gente of Concepción, Peru by <i>John M. McDaniel</i> , <i>H. William Harris, Jr.</i> , and <i>Solomon H. Katz</i>	249
The Focus of Hyperendemic Goiter, Cretinism, and Associated Deaf-Mutism in Western New Guinea by <i>D. C. Gajdusek</i> and <i>R. M. Garruto</i>	267
Anthropometry Among Disadvantaged Peoples: Studies in Southern Africa by <i>P. V. Tobias</i>	287

PART FOUR: GROWTH AND DEVELOPMENT

Late Adolescent Changes in Weight	309
by <i>Alex F. Roche, Gail H. Davila, and E. David Mellits</i>	
Critical Weights, a Critical Body Composition, Menarche, and the Maintenance of Menstrual Cycles	319
by <i>Rose E. Frisch</i>	
Physical Growth and the Social Environment: A West African Example	353
by <i>D. K. Fiawoo</i>	
Some Biosocial Determinants of the Growth, Health, and Nutri- tional Status of Papua New Guinean Preschool Children	367
by <i>L. A. Malcolm</i>	
The Effects of Genetic and Environmental Factors upon the Growth of Children in Guatemala City	377
by <i>Francis E. Johnston, Michael Borden, and Robert B. MacVean</i>	
Biographical Notes	389
Index of Names	399
Index of Subjects	407