Contents

Preface xi

Part 1 The Population Problem: Background

Introduction 2

- 1 Terms and Techniques in Demography EDITOR 4
- 2 The Growth of the World's Population 14
 A Brief History John D. Durand 14
 Projections Not Predictions Louise B. Young 22
 World Population Projections 1965-2000 ROBERT C. COOK 24
- 3 The Spatial Characteristics of the World's Population 33
 Distribution and Density GLENN T. TREWARTHA 33
 Distribution by Ecumene and Nonecumene
 GLENN T. TREWARTHA 39
- 4 Population Growth and Economic Development 50
 The Great Demographic Problem DONALD J. BOGUE 50
 Fertility and Mortality in the Developed and Underdeveloped
 Countries KINGSLEY DAVIS 54





6

7

The Theories of Demographic Regulation and Transition 66 The Theory of Demographic Regulation DONALD J. BOGUE 66 The Process of Demographic Transition EDITOR 70 Demographic Transition: Threat to Developing Nations G. A. SCHNELL 73

Part 2 The Population Problem: Causes and Implications

Introduction 84

- Factors Affecting Mortality 85 1 The Control of Mortality T. E. SMITH 86 Increase in Life Expectancy Due To Modern Medicine HARRISON BROWN 96
- Factors Affecting Fertility 105 2 Economic and Social Factors Affecting Fertility UNITED NATIONS 105 Children Become an Economic Liability KATHERINE AND A. F. K. ORGANSKI 114 Population Policies HOPE T. ELDRIDGE 117
- The Implications of Present Population Trends 128

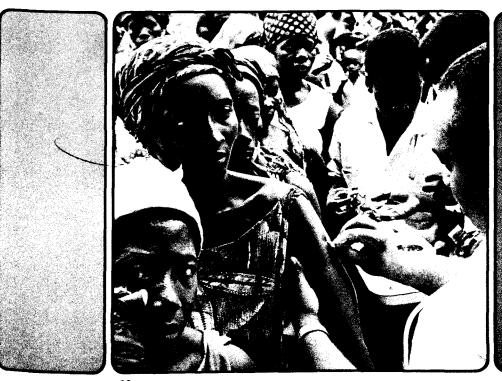




How Many People Can The World Support? J. H. FREMLIN 130

Population Limits in Terms of Energy and Other Resources PAUL R. EHRLICH AND ANNE H. EHRLICH 136

- The Biological Implications of Population Growth Stress in Human Populations George M. Carstairs 149 Our Man-Made Environmental Crisis LAMONT C. COLE 159 A Naturalist Looks at Overpopulation JOSEPH W. KRUTCH 166
- 5 The Economic and Political Implications of Population Growth 170 Measures of Poverty EDITOR 170 The Dual Challenge of Health and Hunger — A Global Crisis GEORG A. BORGSTROM 176 Population Growth and Economic Development BARBARA **WARD 186**
- The Concept of Optimum Population 190 Optimum Populations GORDON RATTRAY TAYLOR 191



The Population Problem: Towards a Solution

Introduction 196 Playing God ROBERT C. COOK 197

- The Means of Controlling Births 202 Birth Control EDITOR Family Planning EDITOR 204 Population Control EDITOR 206
- Birth Control/Population Control: A Controversy 210 The Christian Churches EDITOR 211 Parenthood and Other World Religions RICHARD M. FAGLEY 216 Family Planning in Colombia: A Case Study CLYDE SANGER 225
- Solutions—Economic and Political The Widening Gap HARRISON BROWN Can International Migration Ease Population Pressures Today? w. s. thompson and d. t. lewis Industrialization—The Panacea? ALAN B. MOUNTJOY 242 The Green Revolution EDITOR





The Indicative World Plan for Agricultural Development FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS 259

The Task Ahead in World Agriculture UNITED STATES SENATE

Surpluses in the Third World—Who Wants Them? ESTER BOSERUP 282

The Importance of Transportation united states senate 288 The Contribution of the High-Income Countries Through Trade Liberalization committee for economic development 296

Not By Bread Alone BARBARA WARD 307

What Can be Done? 318

Summary and Recommendations PAUL R. EHRLICH AND ANNE H. EHRLICH 318

Appendix 1970 World Population Statistics 322

Selected Bibliography 329

List of Contributors 339

Index 341





