

PAUL
KENNEDY
PREPARING
FOR THE
TWENTY-
FIRST
CENTURY

BY THE AUTHOR OF
THE RISE AND FALL OF THE GREAT POWERS

CONTENTS

Foreword and Acknowledgments ix

Tables and Charts xv

PART ONE: GENERAL TRENDS

1. Prologue: Old Challenges and New Challenges 3
2. The Demographic Explosion 21
3. The Communications and Financial Revolution and the Rise of the Multinational Corporation 47
4. World Agriculture and the Biotechnology Revolution 65
5. Robotics, Automation, and a New Industrial Revolution 82
6. The Dangers to Our Natural Environment 95
7. The Future of the Nation-State 122

PART TWO: REGIONAL IMPACTS

8. The Japanese "Plan" for a Post-2000 World 137
9. India and China 163
10. Winners and Losers in the Developing World 193
11. The Erstwhile USSR and Its Crumbled Empire 228

12. Europe and the Future 255
 13. The American Dilemma 290

PART THREE: CONCLUSION

14. Preparing for the Twenty-first Century 329

Appendix: Human Development Index 351

Notes 353

Bibliography 389

Index 407

TABLES AND CHARTS

TABLES

- 1 / Production of World Manufacturing Industries, 1900–80 48
- 2 / World Industrial Robot Population, End of 1988 88
- 3 / Top Twenty-five Countries with the Highest Greenhouse Gas Net Emissions, 1987 117
- 4 / The Relative Added Value of Manufactures 148
- 5 / Shares of Global Exports of High-Technology Products, 1980 and 1989 153
- 6 / Growth in the GDP of China and India, 1980–89 164
- 7 / Comparative Savings Ratios, 1987 199
- 8 / Comparative Living Standards 201
- 9 / Per Capita GDP of Latin American Countries, 1988 203
- 10 / Growth of Latin American Indebtedness, Selected Countries 205
- 11 / Numbers of Scientists and Engineers per Million of Population 216
- 12 / Comparative Infant Mortality Rates 220
- 13 / Adult Female Literacy Rate and Total Fertility Rate, Selected Countries 342
- 14 / Average Number of Children by Mother's Years of Education, Selected Countries 342

CHARTS

- 1 / World Population Increase, 1750–2100 23
- 2 / Age Structures 37

3 / World Cereal Carryover Stocks	68
4 / Total Fertility Rates, China, 1945-87	167
5 / Grain Production in the Soviet Union and China, 1950-84	172
6 / Shares of World Trade in Manufactures	195
7 / The Decline in the Rate of Growth of Soviet GNP	231
8 / The Soviet Economy's Long Cycle	233
9 / Population of the USSR by Major Ethnic Groups, 1917-2100	244
10 / Adjusting to Economic Reform in Eastern and Central Europe	253
11 / Overseas Aid and National Income	279
12 / Rates of Growth of U.S. Gross Domestic Product	295
13 / Trade Balances in Eight U.S. Industries	300