

Window on Humanity

A Concise Introduction to Anthropology

Sixth Edition



Conrad Phillip Kottak

University of Michigan





WINDOW ON HUMANITY: A CONCISE INTRODUCTION TO ANTHROPOLOGY, SIXTH EDITION

Published by McGraw-Hill Education, 2 Penn Plaza, New York, NY 10121. Copyright © 2014 by McGraw-Hill Education. All rights reserved. Printed in the United States of America. Previous editions © 2012, 2010, and 2008. No part of this publication may be reproduced or distributed in any form or by any means, or stored in a database or retrieval system, without the prior written consent of McGraw-Hill Education, including, but not limited to, in any network or other electronic storage or transmission, or broadcast for distance learning.

Some ancillaries, including electronic and print components, may not be available to customers outside the United States.

This book is printed on acid-free paper.

4567890 DOC/DOC 1098765

ISBN 978-0-07-803508-1 MHID 0-07-803508-2

Senior Vice President, Products &

Markets: Kurt L. Strand

Vice President, General Manager, Products &

Markets: Michael J. Ryan

Vice President, Content Production & Technology

Services: Kimberly Meriwether David Managing Director: Gina Boedeker

Director: Matthew Busbridge

Brand Manager: Courtney Austermehle Director of Development: Rhona Robbin

Brand Coordinator: Ryan Viviani

Development Editor: Emily Pecora Marketing Manager: Philip Weaver Content Project Manager: Bruce Gin

Senior Buyer: Laura M. Fuller Design: Tara McDermott

Cover Image: © Martin Harvey/Getty Images Content Licensing Specialist: Shawntel Schmitt Media Project Manager: Mahalakshmi Vijay

Typeface: 10/12 Times Compositor: Aptara®, Inc. Printer: R. R. Donnelley

All credits appearing on page or at the end of the book are considered to be an extension of the copyright page.

Library of Congress Cataloging-in-Publication Data

Kottak, Conrad Phillip.

Window on humanity: a concise introduction to anthropology / Conrad Phillip Kottak, University of Michigan. — Sixth edition.

p. cm.

Includes index.

ISBN-13: 978-0-07-803508-1 ISBN-10: 0-07-803508-2 1. Anthropology. I. Title. GN25.K68 2014

301-dc23

2013016665

The Internet addresses listed in the text were accurate at the time of publication. The inclusion of a website does not indicate an endorsement by the authors or McGraw-Hill Education, and McGraw-Hill Education does not guarantee the accuracy of the information presented at these sites.

Also available from McGraw-Hill by Conrad Phillip Kottak:

Mirror for Humanity: A Concise Introduction to Cultural Anthropology, 9th ed. (2014)

CULTURE, 2nd ed. (2014) (Lisa Gezon and Conrad Phillip Kottak)

Anthropology: Appreciating Human Diversity, 15th ed. (2013)

Cultural Anthropology: Appreciating Cultural Diversity, 15th ed. (2013)

On Being Different: Diversity and Multiculturalism in the North American Mainstream, 4th ed. (2012) (with Kathryn A. Kozaitis)

Assault on Paradise: The Globalization of a Little Community in Brazil, 4th ed. (2006)

Brief Contents

Ant	thropology Today Boxes xiii			
Preface xiv				
About the Author xxv				
1 2	What Is Anthropology? 1 Culture 17	13	Families, Kinship, and Marriage 297	
3	Doing Anthropology 40	14	Gender 324	
4	Evolution, Genetics, and Human Variation 66	15 16	Religion 348 Ethnicity and Race 372	
5	The Primates 94	17	Applying Anthropology 39	
6	Early Hominins 118 The Genus <i>Homo</i> 141	18	The World System and Colonialism 418	
8	The First Farmers 173	19	19 Anthropology's Role in a Globalizing World 441	
9	The First Cities and States 196	GLOSSARY 465		
10	Language and Communication 222	CREDITS 479 BIBLIOGRAPHY 481		
11	Making a Living 247 Political Systems 272	INDEX 513		

Contents

Anthropology Today Boxes xiii	Universality, Generality, and
	Particularity 26
Preface xiv	Universals and Generalities 27
About the Author xxv	Particularity: Patterns of Culture 27
The out the fault of AA	Culture and the Individual: Agency
Chapter 1	and Practice 28
	Popular, Civic, and Public
What Is Anthropology? 1	Culture 30
Human Adaptability 2	Levels of Culture 30
Adaptation, Variation, and Change 3	Ethnocentrism, Cultural Relativism,
General Anthropology 4	and Human Rights 31
Cultural Forces Shape Human	Mechanisms of Cultural Change 34
Biology 5	Globalization 35
The Subdisciplines of Anthropology 7	Anthropology Today: Experiencing Culture
Cultural Anthropology 7	Personal Space and Displays
Archaeological Anthropology 8	of Affection 36
Biological, or Physical, Anthropology 10	Summary 38
Linguistic Anthropology 11	
Anthropology and Other Academic	Chapter 3
Fields 11	Doing Anthropology 40
Applied Anthropology 12	Bassarah Mathada in Arahasalagu and
Anthropology Today: His Mother, the	Research Methods in Archaeology and
Anthropologist 13	Biological Anthropology 41 Multidisciplinary Approaches 42
Summary 16	Studying the Past 43
	Survey and Excavation 43
Chapter 2	Kinds of Archaeology 45
Culture 17	Dating the Past 45
What Is Culture? 18	Relative Dating 46
Culture Is Learned 18	Absolute Dating 46
Culture Is Symbolic 18	Molecular Anthropology 47
Culture Is Shared 19	Kinds of Physical Anthropology 48
Culture and Nature 20	Bone Biology 48
Culture Is All-Encompassing 20	Anthropometry 48
Culture Is Integrated 20	Primatology 49
Culture Is Instrumental, Adaptive,	Research Methods in Cultural
and Maladaptive 21	Anthropology 49
Culture's Evolutionary Basis 23	Ethnography: Anthropology's
What We Share with Other	Distinctive Strategy 50
Primates 23	Ethnographic Techniques 50
How We Differ from Other	Observation and Participant

Observation 51

Primates 25

Conversation, Interviewing, and	Lactose Tolerance 89
Interview Schedules 52	Anthropology Today: Devastating Encounter
The Genealogical Method 54	within the Columbian Exchange 90
Key Cultural Consultants 54	Summary 92
Life Histories 54	Summary 92
Local Beliefs and Perceptions, and	Clarity 5
the Ethnographer's 55	Chapter 5
Problem-Oriented Ethnography 56	The Primates 94
Longitudinal Studies, Team Research,	Our Place among Primates 94
and Multisited Ethnography 56	Homologies and Analogies 96
Survey Research 58	Primate Tendencies 98
Doing Anthropology Right and Wrong:	Prosimians 100
Ethical Issues 59	Monkeys 100
The Code of Ethics 60	New World Monkeys 101
Anthropologists and	Old World Monkeys 102
Terrorism 61	Apes 103
Anthropology Today: Studying Health in the	Gibbons 104
Bolivian Amazon 62	Orangutans 104
Summary 64	Gorillas 104
	Chimpanzees 106
Chapter 4	Bonobos 107
	Endangered Primates 107
Evolution, Genetics, and Human Variation 66	Primate Evolution 108
variation 00	Chronology 108
The Origin of Species 67	Early Primates 109
Theory and Fact 68	Early Cenozoic Primates 110
Genetics 70	Oligocene Anthropoids 111
Mendel's Experiments 71	Miocene Hominoids 111
Independent Assortment 73	Proconsul 112
Population Genetics 73	Later Miocene Apes 112
Mechanisms of Genetic	Pierolapithecus catalaunicus 112
E 1 : 51	
Evolution 74	Anthropology Today: Fearing a Planet
Natural Selection 74	Anthropology Today: Fearing a Planet without Apes 114
Natural Selection 74	without Apes 114
Natural Selection 74 Mutation 77 Random Genetic Drift 77 Gene Flow 77	without Apes 114 Summary 116
Natural Selection 74 Mutation 77 Random Genetic Drift 77 Gene Flow 77 Race: A Discredited Concept in	without Apes 114 Summary 116 Chapter 6
Natural Selection 74 Mutation 77 Random Genetic Drift 77 Gene Flow 77 Race: A Discredited Concept in Biology 79	without Apes 114 Summary 116 Chapter 6 Early Hominins 118
Natural Selection 74 Mutation 77 Random Genetic Drift 77 Gene Flow 77 Race: A Discredited Concept in Biology 79 Races Are Not Biologically	without Apes 114 Summary 116 Chapter 6 Early Hominins 118 What Makes Us Human? 118
Natural Selection 74 Mutation 77 Random Genetic Drift 77 Gene Flow 77 Race: A Discredited Concept in Biology 79 Races Are Not Biologically Distinct 81	without Apes 114 Summary 116 Chapter 6 Early Hominins 118 What Makes Us Human? 118 Bipedalism 118
Natural Selection 74 Mutation 77 Random Genetic Drift 77 Gene Flow 77 Race: A Discredited Concept in Biology 79 Races Are Not Biologically Distinct 81 Genetic Markers Don't Correlate with	without Apes 114 Summary 116 Chapter 6 Early Hominins 118 What Makes Us Human? 118 Bipedalism 118 Brains, Skulls, and Childhood
Natural Selection 74 Mutation 77 Random Genetic Drift 77 Gene Flow 77 Race: A Discredited Concept in Biology 79 Races Are Not Biologically Distinct 81 Genetic Markers Don't Correlate with Phenotype 82	without Apes 114 Summary 116 Chapter 6 Early Hominins 118 What Makes Us Human? 118 Bipedalism 118 Brains, Skulls, and Childhood Dependency 120
Natural Selection 74 Mutation 77 Random Genetic Drift 77 Gene Flow 77 Race: A Discredited Concept in Biology 79 Races Are Not Biologically Distinct 81 Genetic Markers Don't Correlate with Phenotype 82 Explaining Skin Color 83	without Apes 114 Summary 116 Chapter 6 Early Hominins 118 What Makes Us Human? 118 Bipedalism 118 Brains, Skulls, and Childhood Dependency 120 Tools 120
Natural Selection 74 Mutation 77 Random Genetic Drift 77 Gene Flow 77 Race: A Discredited Concept in Biology 79 Races Are Not Biologically Distinct 81 Genetic Markers Don't Correlate with Phenotype 82	without Apes 114 Summary 116 Chapter 6 Early Hominins 118 What Makes Us Human? 118 Bipedalism 118 Brains, Skulls, and Childhood Dependency 120

Who Were the Earliest Hominins? 121	Anthropology Today: Meet Miss Denisova,
Sahelanthropus tchadensis 121	Circa 80,000 B.P. 170
Orrorin tugenensis 124	Summary 171
Ardipithecus 125	Chapter 8
The Varied Australopithecines 126	Chapter 8
Australopithecus anamensis 126	The First Farmers 173
Australopithecus afarensis 127	The Mesolithic 173
Gracile and Robust Australopithecines 132	The Neolithic 174
The Australopithecines and	The First Farmers and Herders in the
Early Homo 134	Middle East 176
Oldowan Tools 135	Genetic Changes and Domestication 180
A. garhi and Early Stone Tools 136	Food Production and the State 181
Anthropology Today: Anthropologist's Son	Other Old World Farmers 182
Finds New Species of Australopithecus 137	The First American Farmers 186
Summary 139	
	The Tropical Origins of New World
Chapter 7	Domestication 187
The Genus Homo 141	Explaining the Neolithic 188
The Genus Homo 141	Geography and the Spread of Food
Early Homo 141	Production 190
H. rudolfensis and H. habilis 141	Costs and Benefits 191
H. habilis and H. erectus 143	Anthropology Today: Global Climate Change
Out of Africa I: H. erectus 145	and Other Threats to Archaeology 192
Paleolithic Tools 146	Summary 194
Adaptive Strategies of H. erectus 147	Chapter 9
The Evolution and Expansion of	The First Cities and States 196
H. erectus 149	The First Cities and States 190
Archaic H. sapiens 151	The Origin of the State 196
Ice Ages of the Pleistocene 152	Hydraulic Systems 197
H. antecessor and	Regional Trade 197
H. heidelbergensis 153	Population, War, and Circumscription 197
The Neandertals 154	The Urban Revolution 199
Cold-Adapted Neandertals 155	Attributes of States 199
The Neandertals and Modern	State Formation in the Middle
People 155	East 201
Modern Humans 157	Urban Life 201
Out of Africa: AMH Edition 157	The Elite Level 202
Genetic Evidence 159	Social Ranking and Chiefdoms 204
The Denisovans 160	The Rise of the State 205
The Red Deer Cave People 161	Other Early States 208
The Advent of Behavioral Modernity 162	State Formation in Mesoamerica 210
Advances in Technology 164	Early Chiefdoms and Elites 210
Glacial Retreat 166	Warfare and State Formation:
Settling the Americas 166	The Zapotec Case 212
Homo floresiensis 168	States in the Valley of Mexico 214

Why States Collapse 215	The Cultivation Continuum 255
The Decline of the Maya 215	Agricultural Intensification: People and
Anthropology Today: The Fantastic	the Environment 255
Claims of Pseudo-Archaeology 217	Pastoralism 256
Summary 220	Economic Systems 258
A STATE OF THE PARTY AND THE P	Production in Nonindustrial
Chapter 10	Societies 258
	Means of Production 259
Language and	Alienation in Industrial
Communication 222	Economies 260
Language 223	Economizing and Maximization 262
Nonhuman Primate	Alternative Ends 262
Communication 223	Distribution, Exchange 263
Call Systems 223	The Market Principle 263
Sign Language 224	Redistribution 264
The Origin of Language 227	Reciprocity 264
Nonverbal Communication 227	Coexistence of Exchange
The Structure of Language 228	Principles 265
Speech Sounds 229	Potlatching 266
Language, Thought, and Culture 231	Anthropology Today: Scarcity and the
The Sapir-Whorf Hypothesis 231	Betsileo 268
Focal Vocabulary 232	Summary 270
Sociolinguistics 234	
Social and Linguistic Variation 234	Chapter 12
Linguistic Diversity within	Political Systems 272
Nations 235	Tontical Systems 272
Gender Speech Contrasts 237	What Is "The Political"? 272
Stratification and Symbolic	Types and Trends 273
Domination 237	Bands and Tribes 274
Black English Vernacular (BEV) 239	Foraging Bands 275
Historical Linguistics 241	Tribal Cultivators 277
Language Loss 242	The Village Head 278
Anthropology Today: I Wish They All Could	The "Big Man" 279
Be California Vowels 244	Pantribal Sodalities 281
Summary 245	Nomadic Politics 282
	Chiefdoms 283
Chapter 11	Political and Economic
Making a Living 247	Systems 284
Making a Diving 217	Status Systems 285
Adaptive Strategies 248	The Emergence of Stratification 286
Foraging 248	State Systems 287
Adaptive Strategies Based on Food	Population Control 287
Production 252	Judiciary 288
Horticulture 252	Enforcement 288
Agriculture 253	Fiscal Support 288

x Contents				
Social Control 289				
Hegemony and Resistance 289				
Weapons of the Weak 290				
Shame and Gossip 291				
The Igbo Women's War 292				
Anthropology Today: Politics and Power in a				
Globalizing Countryside 293				
Summary 295				
Chapter 13				
Families, Kinship, and				
Marriage 297				
Families 298				
Nuclear and Extended Families 299				
Industrialism and Family				
Organization 301				
Changes in North American Kinship 302				
The Family among Foragers 305 Descent 305				
Descent Groups 305				
Lineages, Clans, and Residence				
Rules 307				
Marriage 308				
Exogamy and Incest 309				
Incest Happens 310				
Endogamy 311				
Marital Rights and Same-Sex				
Marriage 312				
Marriage across Cultures 315				
Gifts at Marriage 315				
Durable Alliances 316				
Divorce 317				
Plural Marriages 318				
Polygyny 319				
Anthropology Today: American Family Life in				
the 21st Century 320				
Polyandry 321				
Summary 322				
Chanter 14				

324 Gender

Sex and Gender 324 Recurrent Gender Patterns 326

Gender Roles and Gender Stratification 331 Reduced Gender Stratification-Matrilineal-Matrilocal Societies 331 Matriarchy 332 Increased Gender Stratification-Patrilineal-Patrilocal Societies 333 Patriarchy and Violence 334 334 Gender in Industrial Societies The Feminization of Poverty 337 Work and Happiness 338 Beyond Male and Female 339 Sexual Orientation 342 Anthropology Today: The Global Gender Gap Index 344 Summary 346

Chapter 15 Religion 348

Expressions of Religion 350 Spiritual Beings 351 Powers and Forces 351 Magic and Religion 352 Uncertainty, Anxiety, Solace 352 Rituals 353 Rites of Passage 353 Totemism 356 Social Control 357 Kinds of Religion 358 Protestant Values and Capitalism 358 World Religions 359 Religion and Change 360 Cargo Cults 360 New and Alternative Religious Movements 362 Religion and Cultural Globalization 363 Evangelical Protestantism and Pentecostalism 363 Homogenization, Indigenization, or Hybridization? 364 Antimodernism and Fundamentalism 365

The Spread of Islam 366

Secular Rituals 367	Development Anthropology 399	
Anthropology Today: Baseball	Equity 400	
Magic 368	Strategies for Innovation 400	
Summary 370	Overinnovation 401	
and the property and the state of the state of	Underdifferentiation 402	
Chapter 16	Indigenous Models 402	
Ethnicity and Race 372	Anthropology and Education 404	
Ethnic Groups and Ethnicity 372	Urban Anthropology 405 Urban versus Rural 406	
Shifting Status 373	Medical Anthropology 408	
Minority Groups and Stratification 374	Anthropology and Business 412	
Race and Ethnicity 375	Careers and Anthropology 413	
The Social Construction of Race 376	Anthropology Today: Culturally	
Hypodescent: Race in the United	Appropriate Marketing 414	
States 376	Summary 416	
Race in the Census 377		
Not Us: Race in Japan 379	Chapter 18	
Phenotype and Fluidity: Race in Brazil 381	The World System and	
Ethnic Groups, Nations, and	Colonialism 418	
Nationalities 384	Colomansiii 416	
Nationalities and Imagined	The World System 418	
Communities 385	The Emergence of the World	
Ethnic Tolerance and	System 420	
Accommodation 385	Industrialization 421	
Assimilation 385	Causes of the Industrial Revolution 422	
The Plural Society 386	Socioeconomic Effects of	
Multiculturalism 386	Industrialization 423	
Changing Demographics 387	Industrial Stratification 423	
The Gray and the Brown 387	Colonialism 426	
Roots of Ethnic Conflict 390	British Colonialism 426	
Prejudice and Discrimination 390	French Colonialism 428	
Chips in the Mosaic 390	Colonialism and Identity 429	
Aftermaths of Oppression 391	Postcolonial Studies 430	
Anthropology Today: AAA Statement	Development 430	
on Race 393	Neoliberalism 431	
Summary 395	The Second World 431	
	Communism 432	
Chapter 17	Postsocialist Transitions 432	
Applying Anthropology 397	The World System Today 433 Neoliberalism and NAFTA's Economic	
The Role of the Applied	Refugees 434	
Anthropologist 398	Anthropology Today: Mining Giant	
Early Applications 398	Compatible with Sustainability	
Academic and Applied Anthropology 398	Institute? 436	
Applied Anthropology Today 399	Summary 439	

Chapter 19

Anthropology's Role in a Globalizing World 441

Globalization: Its Meaning and Its
Nature 442
Energy Consumption and Industrial
Degradation 444
Global Climate Change 445
Environmental Anthropology 448
Global Assaults on Local Autonomy 448
Deforestation 449
Emerging Diseases 451
Interethnic Contact 452
Cultural Imperialism and
Indigenization 453

A Global System of Images 454
A Global Culture of Consumption 455
People in Motion 455
Indigenous Peoples 457
Anthropology Today: Engulfed by Climate
Change, Town Seeks Lifeline 459
Identity in Indigenous Politics 461
Anthropology's Lessons 462
Summary 462

Glossary 465 Credits 479 Bibliography 481 Index 513