Contents

List of illustrations List of contributors		xiii xiv
	nuction bre J. Babones and Christopher Chase-Dunn	1
PART I Origi		7
1. Bef	ore the long sixteenth century	9
1.1	Market cooperation and the evolution of the pre-Hispanic Mesoamerican world-system <i>Richard E. Blanton and Lane F. Fargher</i>	11
1.2	Assessing the debate between Abu-Lughod and Wallerstein over the thirteenth-century origins of the modern world-system <i>Elson E. Boles</i>	21
1.3	The Afroeurasian world-system: Genesis, transformations, characteristics Leonid Grinin and Andrey Korotayev	30
1.4	Agricultural origins and early development E. N. Anderson	39
1.5	Qubilai and the Indian Ocean: A new era? Paul D. Buell	42
2. Historical processes of incorporation and development		45
2.1	Incorporation into and merger of world-systems Thomas D. Hall	47

	2.2	The great transition debate and world-systems analysis <i>Eric Mielants</i>	56
	2.3	The social foundations of global conflict and cooperation: Globalization and global elite integration, nineteenth to twenty-first century <i>Thomas Ehrlich Reifer</i>	63
	2.4	The East Asian path of development Alvin Y. So	71
	2.5	Darfur: The periphery of the periphery Younes Abouyoub	80
	RT II		07
Th	ieor	y and critiques	83
3.	The	oretical frontiers in world-systems analysis	85
	3.1	Externality, contact periphery and incorporation <i>Jon D. Carlson</i>	87
	3.2	Wallerstein's world-system: Roots and contributions W. L. Goldfrank	97
	3.3	The structures of knowledge: Conceptualizing the sociocultural arena of historical capitalism <i>Richard E. Lee</i>	104
	3.4	The multiplicity of national development in the world-system: A critical perspective Nobuyuki Yamada	.112
	3.5	Crisis in the world-system: Theoretical and policy implications John Barnshaw and Lynn Letukas	121
	3.6	Core, semiperiphery, periphery: A variable geometry presiding over conceptualization <i>Nicole Bousquet</i>	123
	3.7	Terminal crisis or a new systemic cycle of accumulation? Christopher Chase-Dunn	125
4.	Expl	icit modeling as a research strategy	127
	4.1	Measuring transition and hierarchy of states within the world-systems paradigm Raymond J. Dezzani	129

4.2	World-systems as dissipative structures: A new research agenda Peter E. Grimes	139
4.3	Narrating stories about the world-system of the First Global Age, 1400–1800 J. B. Owens	147
4.4	World-systems theory and formal and simulation modeling <i>Hiroko Inoue</i>	155
4.5	Mathematical models of world-system development Andrey Korotayev and Sergey Malkov	158
5. Crit	tical contributions to world-systems analysis	161
5.1	World-system history: Challenging Eurocentric knowledge Robert A. Denemark and Barry K. Gills	163
5.2	The failure of the "Modern World-System" and the new paradigm of the "Critical Theory of Patriarchy": The "civilization of alchemists" as a "system of war" <i>Claudia von Werlhof</i>	172
5.3	Authenticating seventeenth century "hegemonies": Dutch, Spanish, French, or none? <i>David Wilkinson</i>	181
5.4	Challenges of globalization theory to world-systems analysis Leslie Sklair	189
PART II The co	ı ontemporary world-economy	193
6. Mar	kets and exchange	195
6.1	Surplus drain and dark value in the modern world-system <i>Donald A. Clelland</i>	197
6.2	The silence of finance and its critics: Portfolio investors in the world-system <i>Aaron Z. Pitluck</i>	206
6.3	Debt crises in the modern world-system <i>Christian Suter</i>	215

6.4	Economic-political interaction in the core/periphery hierarchy <i>Mikhail Balaev</i>	224
6.5	The other side of the global formation: Structures of the world lumpeneconomy Zbigniew Galor	226
7. Nei	tworks and chains	229
7.1	Global cities, global commodity chains and the geography of core-ness in the capitalist world-system <i>Christof Parmeiter</i>	231
7.2	Trade, unequal exchange, global commodity chains: World-system structure and economic development <i>David A. Smith</i>	239
7.3	Global cities and world city networks Michael Timberlake and David A. Smith	247
7.4	How individuals shape global production Frederick William Lee	256
7.5	World cities in Asia Kyoung-Ho Shin	258
7.6	The Internet and the world-system(s) Piotr Konieczny	260
8. Glo	balization and distribution	263
8.1	Globalization: Theories of convergence and divergence in the world-system Kelly F. Austin, Laura A. McKinney, and Edward L. Kick	265
8.2	Social stratification and mobility: National and global dimensions <i>Timothy Patrick Moran</i>	274
8.3	Income inequality in the world: Looking back and ahead <i>Volker Bornschier</i>	283
8.4	Billionaires and global inequality: Does an increase in one indicate an increase in the other? <i>Jenny Chesters</i>	286

8.5	The pervasiveness of ICT in our present modern world-system Melsome Nelson-Richards, with the assistance of Kandu E. Agbimson	288
PART I Devel	v opment and underdevelopment	291
9. Indi	geneity and incorporation	293
9.1	Early capitalist inauguration and the formation of a colonial shatter zone <i>Robbie Ethridge</i>	295
9.2	Indigenous peoples, globalization and autonomy in world-systems analysis James V. Fenelon	304
9.3	Peasants, peasantries and (de)peasantization in the capitalist world-system <i>Eric Vanhaute</i>	313
9.4	Chiefdom world-systems (with a focus on Hawaii, 1390–1790) Elena Ermolaeva	322
10. Mo	odels of growth and stagnation	325
10.1	Position and mobility in the contemporary world-economy: A structuralist perspective <i>Salvatore J. Babones</i>	327
10.2	O'Connorian models of peripheral development—or how third world states resist world-systemic pressures by cloning the policies of states in the core Samuel Cohn	336
10.3	The embedded periphery: Slums, favelas, shantytowns and a new regime of spatial inequality in the modern world-system <i>Delario Lindsey</i>	345
10.4	Urbanization and poverty in the global "South" Shahadat Hossain	353
11. Fo	od and agriculture	355
11.1	Global environmental governance, competition, and sustainability in global agriculture Brian J. Gareau and John Borrego	357

11.2	Hunger and the political economy of the world food system <i>Stephen J. Scanlan</i>	366
11.3	Incorporating comparison Sandra Curtis Comstock	375
11.4	Equalizing exchange through voluntary certification? The case of palm oil Kristen Shorette	377
PART V Sustaiı	nability	379
12. Nat	tural resources and constraints	381
12.1	New historical materialism, extractive economies, and socioeconomic and environmental change Paul S. Ciccantell	383
12.2	World-system structure, natural capital and environmental entropy <i>Edward L. Kick and Laura A. McKinney</i>	392
12.3	What is old and what is new? Considering world-systems in the twenty-first century and beyond <i>Thomas J. Burns</i>	400
12.4	Glad moon rising: A world-systems perspective on the world in space Marilyn Dudley-Flores and Thomas Gangale	402
12.5	Extraction and the world-system Paul K. Gellert	404
12.6	Geopolitical and socio-ecological constraints to the reproduction of the capitalist world-economy <i>John L. Gulick</i>	406
12.7	Energy use and world-systems dynamics Kirk S. Lawrence	409
13. The	e environment	411
13.1	Single and composite sustainability indicators in comparative sociology <i>Philipp Babcicky</i>	413

13.2	Forests, food and freshwater: A review of world-systems research and environmental impact <i>Rebecca Clausen and Stefano B. Longo</i>	422
13.3	The sociology of ecologically unequal exchange in comparative perspective Andrew K. Jorgenson and James Rice	431
13.4	The displacement of hazardous products, production processes, and wastes in the world-system <i>R. Scott Frey</i>	440
13.5	Interacting landscapes: Toward a truly global environmental history <i>Alf Hornborg</i>	443
13.6	The environmental impacts of foreign direct investment in less-developed countries Andrew K. Jorgenson and Jessie Winitzky	445
PART VI Societ		449
Jocici)	
·	v ividuals and families	451
·		
14. Ind 14.1	ividuals and families The centrality of the household to the modern world-system	451
14. Ind 14.1	ividuals and families The centrality of the household to the modern world-system <i>Wilma A. Dunaway</i> International migration in the world-system	451 453
14. Ind 14.1 14.2 14.3	ividuals and families The centrality of the household to the modern world-system <i>Wilma A. Dunaway</i> International migration in the world-system <i>Matthew R. Sanderson</i> The world-system, inequality and violent conflict: Shifting the unit of analysis	451 453 462
14. Ind 14.1 14.2 14.3 14.4	ividuals and families The centrality of the household to the modern world-system Wilma A. Dunaway International migration in the world-system Matthew R. Sanderson The world-system, inequality and violent conflict: Shifting the unit of analysis Kevin Doran Child marriage in India: An overview	451 453 462 471

15. International and transnational interactions		
15.1	Geography and war Albert J. Bergesen	483
15.2	The global justice movement and the social forum process Ellen Reese, Ian Breckenridge-Jackson, Edwin Elias, David W. Everson, and James Love	490
15.3	Global civil society or global politics? Jon Shefner	499
15.4	Language in the world-system Gary Coyne	508
15.5	Anti-systemic movements compared Valentine M. Moghadam	510
15.6	Stabilization operations and structural instability in the contemporary world-system Jeremy Simpson	512
15.7	Conclusion: World-systems analysis as a knowledge movement Immanuel Wallerstein	515
	Index	522