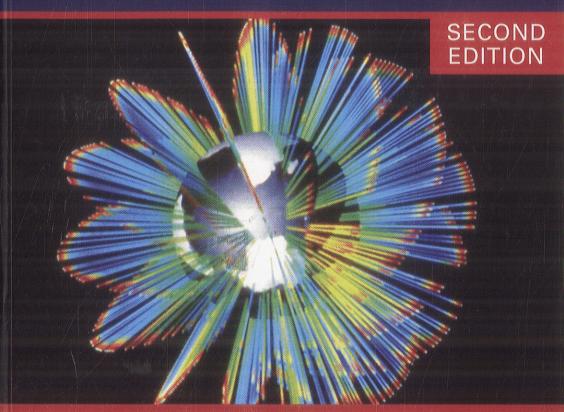
THE INFORMATION AGE: Economy, Society, and Culture Volume I

THE RISE OF THE NETWORK SOCIETY



WITH A NEW PREFACE

Manuel Castells

WILEY-BLACKWELL

Contents

LIS	t of Figures	XII
Lis	t of Tables	xiv
Pre	eface to the 2010 Edition of <i>The Rise of the Network Society</i>	xvii
Ac	knowledgments 2000	xlv
Аc	knowledgments 1996	lv
Pro	ologue: the Net and the Self	1
	Technology, Society, and Historical Change Informationalism, Industrialism, Capitalism, Statism:	5
	Modes of Development and Modes of Production	13
	Informationalism and capitalist perestroika	18
	The Self in the Informational Society	21
	A Word on Method	25
1	The Information Technology Revolution	28
	Which Revolution?	28
	Lessons from the Industrial Revolution	33
	The Historical Sequence of the Information Technology	
	Revolution	38
	Micro-engineering macro-changes: electronics and	
	information	39
	The creation of the Internet	45

	Network technologies and pervasive computing The 1970s' technological divide	51 53
	Technologies of life	54
	Social context and the dynamics of technological change Models, Actors, and Sites of the Information Technology	59
	Revolution	61
	The Information Technology Paradigm	69
2	The New Economy: Informationalism, Globalization, Networking	77
		,,
	Productivity, Competitiveness, and the Informational Economy	78
	The productivity enigma	78
	Is knowledge-based productivity specific to the	
	informational economy?	80
	Informationalism and capitalism, productivity and profitability	94
	The historical specificity of informationalism	99
	The Global Economy: Structure, Dynamics, and Genesis	101
	Global financial markets	102
	Globalization of markets for goods and services:	
	growth and transformation of international trade	106
	Globalization versus regionalization	110
	The internationalization of production: multinational corporations and international production	
	networks	116
	Informational production and selective globalization of	101
	science and technology Global labor?	124 130
	The geometry of the global economy: segments, and	130
	networks	132
	The political economy of globalization: capitalist	132
	restructuring, information technology, and state	
	policies	135
	The New Economy	147
3	The Network Enterprise: the Culture, Institutions, and	
	Organizations of the Informational Economy	163
	Organizational Trajectories in the Restructuring of Capitalism and in the Transition from	
	Industrialism to Informationalism	164
		+ U F

From mass production to flexible production Small business and the crisis of the large corporation:	166
myth and reality	167
"Toyotism": management-worker cooperation,	
multifunctional labor, total quality control, and	
reduction of uncertainty	169
Inter-firm networking	172
Corporate strategic alliances	174
The horizontal corporation and global business	
networks	176
The crisis of the vertical corporation model and the rise	
of business networks	178
Networking the networks: the Cisco model	180
Information Technology and the Network Enterprise	184
Culture, Institutions, and Economic Organization: East	
Asian Business Networks	188
A typology of East Asian business networks	189
Japan	190
Korea	191
China	193
Culture, organizations, and institutions: Asian business	1/3
networks and the developmental state	195
Multinational Enterprises, Transnational Corporations,	173
and International Networks	207
The Spirit of Informationalism	206
The Spirit of Informationalism	210
The Transformation of Work and Employment:	
Networkers, Jobless, and Flex-timers	216
The Historical Evolution of Employment and	
Occupational Structure in Advanced Capitalist	
Countries: the G-7, 1920–2005	217
Post-industrialism, the service economy, and the	
informational society	218
The transformation of employment structure,	210
1920–1970 and 1970–1990	224
The new occupational structure	232
The maturing of the informational society:	202
employment projections into the twenty-first	
century	237
Summing up: the evolution of employment structure	/ و کے
and its implications for a comparative analysis of	
the informational accient	243
ine informational society	Z43

4

	Is There a Global Labor Force?	2.4
	The Work Process in the Information 1 P. 1.	24
	The Work Process in the Informational Paradigm	25:
	The Effects of Information Technology on Employment:	2 15
	Toward a Jobless Society?	267
	Work and the Informational Divide: Flex-timers	283
	Information Technology and the Restructuring of	
	Capital-Labor Relations: Social Dualism or	
	Fragmented Societies?	29ϵ
	Appendix A: Statistical Tables for Chapter 4	303
	Appendix B: Methodological Note and Statistical	
	References	338
5	The Culture of Real Virtuality: the Integration of	
	Electronic Communication, the End of the Mass	
	Audience, and the Rise of Interactive Networks	355
	From 1 Co. 1 Co. 1 co. 1	
	From the Gutenberg Galaxy to the McLuhan Galaxy: the	
	Rise of Mass Media Culture	358
	The New Media and the Diversification of Mass Audience	365
	Computer-mediated Communication, Institutional	
	Control, Social Networks, and Virtual Communities	371
	The Minitel story: l'état et l'amour	372
	The Internet constellation	375
	The interactive society	385
	The Grand Fusion: Multimedia as Symbolic Environment	394
	The Culture of Real Virtuality	403
6	The Space of Flows	407
	Advanced Services Information Flours and the CL L	
	Advanced Services, Information Flows, and the Global City	400
	The New Industrial Space	409
	Everyday Life in the Electronic Cottage: the End of Cities?	417
	The Transformation of Urban Form: the Informational	424
	City	429
	America's last suburban frontier	429
	The fading charm of European cities	431
	Third millennium urbanization: mega-cities	434
	The Social Theory of Space and the Theory of the Space	i J-T
	of Flows	440
	The Architecture of the End of History	448
	Space of Flows and Space of Places	453

CONTENTS	Х
The Edge of Forever: Timeless Time	460
Time, History, and Society	461
Time as the Source of Value: the Global Casino	463
Flex-time and the Network Enterprise	467
The Shrinking and Twisting of Life Working Time	468
The Blurring of the Life-cycle: Toward Social Arrhythmia?	

Death Denied

Instant Wars

Virtual Time

Bibliography

Index

Conclusion: the Network Society

Time, Space, and Society: the Edge of Forever

Summary of the Contents of Volumes II and III

475

481

484

491

494

500

510

512

566