

Table of Contents

Preface	xiii
Author Biography	xix
PART 1. GEOGRAPHICAL SPACE PRODUCTION: SYSTEMS AND LAWS	1
Part 1. Introduction	3
Chapter 1. Geography: the Hard Core of a Social Science.	5
1.1. The geographical question	5
1.2. Geographical space is produced.	6
1.3. The reasons for the production of space	8
1.4. The organization of space	10
1.5. The logical field and the idea of a system in the production of space.	13
1.6. The environment and the memories of the system	14
1.7. Geographical figures	16
1.8. Scientific practice	18
1.9. Conclusion	20
Chapter 2. The Geon and Energy of the System	23
2.1. Populations and working forces	26
2.2. Resources to actualize	28
2.3. Information as a source of negentropy	30
2.4. Production means and organization of space	33
2.5. The place of the capital and its distribution	35
2.6. The cybernetics of the system	38
2.7. Back to A	40

Chapter 3. Geographical Fields as the Environment of Places	43
3.1. Cardinal fields	44
3.2. Planetary fields.	45
3.3. Cultural fields	46
3.4. The effects of exposure and attraction	47
3.5. Fields and geographical distributions.	49
Chapter 4. Laws of Geographical Space Production	51
4.1. Geographic logic and the law of profit.	52
4.2. Propositions of laws.	53
4.3. Environment in systems	57
Chapter 5. Sense of Distance	59
5.1. Revelation of the distance	59
5.2. Distance measure	61
5.3. Ruptures of the distance	63
5.4. The represented distance: isolation and entrenchment.	65
5.5. The distance and difference	67
5.6. End of distance?	70
PART 2. BROKEN SPACE	73
Part 2. Introduction	75
Chapter 6. Discontinuities and Thresholds	77
6.1. Discontinuity theory (1965)	77
6.2. Discontinuities and catastrophism	79
6.2.1. Discontinuities and climate change	79
6.3. The region and discontinuity.	84
6.4. Back to the discontinuity (1997)	86
6.5. Three examples of discontinuities in the geomorphological processes	89
6.5.1. The recession of Pyrenean glaciers	89
6.5.2. The valleys of the Terrefort	89
6.5.3. The erosion of soils in the Terrefort Toulousain.	90
Chapter 7. Territory Retrenchments	93
7.1. The pure and the wall	94
7.2. Retrenchments at the center	96
7.3. Separated peripheries	99
7.4. Folds and double folds	102

7.5. From retrenchment to <i>res publica</i>	104
Chapter 8. Antiworld and Alienation	107
8.1. Alienation	107
8.2. Antiworld	108
Chapter 9. Free Zones in the International Division of Labor	117
9.1. The territories of the antiworld	117
9.2. The complexity of the concept of international division of labor	119
9.3. The free zones: simplicity of speech, complexity of the roles	119
9.4. The golden belt.	121
9.5. Territories without frankness, buccaneering territories	122
Chapter 10. Geography of the Gulag Archipelago	125
10.1. The sources of this survey	126
10.2. Geographical history.	127
10.2.1. Diffusion of the system and development of the Archipelago	128
10.2.2. Settlement and migration	130
10.2.3. Large-scale works and virgin lands	131
10.3. The organization of the archipelago.	133
10.3.1. The population and its distribution	133
10.3.2. Spatial organization.	136
10.3.3. The dual structure	140
10.4. The modes of production	142
10.4.1. Branches of activity and large regions.	142
10.4.2. Products of the Gulag.	144
10.4.3. Women's and children's work	147
10.4.4. Society and culture: social education	148
10.5. Conclusion	152
10.6. Appendix	153
Chapter 11. Geography of Migrations or the Antiworld in Spate	155
11.1. Waves and currents of emigration.	156
11.2. Wanderings of insecurity, fracture of Mediterraneans	158
11.3. Migrations systems: nomadism or wandering	160
11.4. Conclusion	161

PART 3. MODELS AND CHOREMATICS	163
Part 3. Introduction	165
Chapter 12. Building Models for Spatial Analysis	167
12.1. From spatial organization to models	168
12.1.1. The concept of spatial organization	168
12.1.2. Spatial models	169
12.1.3. A model of models	170
12.2. Choremes	172
12.2.1. Territorial controls	176
12.2.2. Tropisms	178
12.2.3. Spatial dynamics	181
12.3. The syntax of choremes or the linguistics of geography	183
12.3.1. Signs.	183
12.3.2. Grammatical rules.	184
12.3.3. Pro-positions	185
12.3.4. Social relativity	186
12.3.5. Conclusion: this and all other woods.	188
Chapter 13. Model Maps and Choremes	191
13.1. Models and choremes	191
13.2. The rules of art	192
13.3. The procedure.	194
13.4. “In Poland, i.e. nowhere” (A. Jarry).	195
13.5. The language of maps	198
13.6. Bibliography and References.	199
Chapter 14. Models in Geography? A Sense to Research	201
14.1. What is a model?	202
14.2. Refutations	205
14.3. From theoretical practice to necessary hypotheses	208
14.4. Requirements of modeling	210
14.5. Conclusion	214
Chapter 15. Mediterranean Models	217
15.1. The lake	218
15.2. The focus	218
15.3. The straight	219
15.4. The isthmus	220
15.5. The crescents	221

15.6. The barrier	221
15.7. The chott.	221
Chapter 16. The Aquitaine Region as a Corner	223
16.1. The southwest corner of France	223
16.2. Openings to seize.	226
16.3. Dissymmetries of nature	229
16.4. Two urban systems	231
16.5. Regions and resources.	234
Chapter 17. Structural Dynamic of the City of Tours (France).	239
17.1. Administrative center of a province on a Paris radius	241
17.2. The Val effect.	243
17.3. The metropolization and the network star	244
17.4. Tours: social inequalities	248
Chapter 18. Analysis and Representation of Spatial Organizations: A Few Models	253
18.1. Openings.	253
18.2. Color images	263
18.3. Other illustrations	263
PART 4. SCALES OF GLOBALIZATION AND MOVING EUROPE	267
Part 4. Introduction	269
Chapter 19. Ways, Forms, and Figures of Globalization	271
19.1. Economic globalization	272
19.2. The global village	273
19.3. Global ecology	275
19.4. How globalization changes the world.	277
19.5. Re-differentiations and polycentrism	280
19.6. Contradictions and permanencies	282
19.7. Representations.	283
Chapter 20. Aspects of Globalization: the Diamond Revolution	287
20.1. The De Beers empire: a heritage of British imperialism.	287
20.1.1. A very elaborate monopoly	287
20.1.2. A very unique product, an imperial desire	289
20.2. After globalization by monopoly, polycentric globalization	291
20.2.1. The discovery of the synthetic diamond.	291

20.2.2. The new cutting and decision centers	292
20.2.3. The new mines.	293
20.2.4. The intrusion of mining societies	294
20.2.5. The transformation of South Africa	295
20.2.6. The African dramas.	295
20.2.7. The smell of blood and the search for purity	296
20.3. Rupture and uncertainties at the turn of the millennium	296
20.3.1. A new De Beers	297
20.3.2. Diversified globalization.	297
Chapter 21. European Fields and Mainlines	299
21.1. The peninsula of the old continent	299
21.2. The European backbone.	301
21.3. The Ring.	302
21.4. The European trellis	304
21.5. Centralities, barriers and new found solidarities	306
21.6. Conclusions.	308
21.7. Appendix: Blue Banana.	308
Chapter 22. Transnational Urban Systems in Europe: Towards a New Modernity	311
22.1. Europe as a milieu	313
22.2. Can transnational city systems help Europe?	315
22.3. Conclusions.	322
Chapter 23. Russia in Revolutions.	325
PART 5. GEOGRAPHY INTO THE CITY PROSPECTS	333
Part. 5. Introduction	335
Chapter 24. Regaining Reason	337
24.1. El sueño de la razón	337
24.2. Unsustainable city	338
24.3. Territories in competition.	339
24.4. Si les signes vous faschent	340
24.5. The marshland of Entelechies	341
24.6. Serio ludere	342
Chapter 25. What is Geography?	343
25.1. The field of geography	343

25.2. Geography as a science	345
25.3. Geographies	347
25.4. Geography as an established fact	351
25.5. Applied geography	353
Chapter 26. Geography in the Public Place	355
26.1. As an increased desire for geography	355
26.2. Five equations for fractions of society	356
26.3. Geography as Janus: two sides of the profession	358
26.4. Currents and patterns, or navigating without sinking	360
26.5. For socially useful works	362
26.6. Conclusion	364
Chapter 27. Geography and Human Rights	365
27.1. The difference	365
27.2. Resorting to nature	367
27.3. The revealing space	368
27.4. Conclusion	370
Chapter 28. Dimensions of Sustainable Development	371
28.1. The scale of sustainable development is global	372
28.2. Worldwide contradictions of sustainable development	374
28.3. Local scale: untenable “sustainable city”	378
28.4. The intermediate scales	380
28.5. Conclusions	382
Conclusion. Along the Way	383
Index	385