Continuities in Sociological Human Ecology

Edited by

Michael Micklin
National Institutes of Health
Bethesda, Maryland

and

Dudley L. Poston, Jr.
Texas A&M University
College Station, Texas

Plenum Press • New York and London
Contents

Introduction ......................................................... 1

I. CONCEPTUAL AND THEORETICAL CONSIDERATIONS

1. Human Ecology, Population, and Development ............... 11
   Amos H. Hawley

2. Human Ecology, Sociology, and Demography ................. 27
   Dudley L. Poston, Jr. and W. Parker Frisbie
   What Is Human Ecology? ........................................ 28
   Four Basic Ecological Concepts and Analysis of Migration ... 31
   Summary .......................................................... 45
   References ....................................................... 47

3. The Ecological Complex: A Conceptual Elaboration ........ 51
   Michael Micklin and David F. Sly
   A Conceptual Elaboration of the Ecological Complex ........ 52
   Conclusion ....................................................... 60
   Notes ............................................................ 62
   References ....................................................... 63
## CONTENTS

### 4. POETS-PACS-LEDD: From Paradigm to Theory to Policy in Human Ecological Perspective

*Paul R. Eberts*

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>POET: The Beginnings of a Human Ecological Paradigm</td>
<td>68</td>
</tr>
<tr>
<td>An Alternative Paradigm: POETS</td>
<td>70</td>
</tr>
<tr>
<td>System Resources and Problems</td>
<td>72</td>
</tr>
<tr>
<td>Beyond Paradigms to Theories</td>
<td>74</td>
</tr>
<tr>
<td>Policy Relevance of the “POETS-PACS-LEDD” Paradigms</td>
<td>78</td>
</tr>
<tr>
<td>Notes</td>
<td>79</td>
</tr>
<tr>
<td>References</td>
<td>80</td>
</tr>
</tbody>
</table>

### 5. An Ecological Theory of Organizational Structuring

*Charles E. Bidwell and John D. Kasarda*

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Ecological Framework</td>
<td>86</td>
</tr>
<tr>
<td>Organizational Communities and Their Populations</td>
<td>89</td>
</tr>
<tr>
<td>Environment and Selection</td>
<td>90</td>
</tr>
<tr>
<td>Resource Spaces and Niches</td>
<td>93</td>
</tr>
<tr>
<td>The Structure of Organizational Communities</td>
<td>96</td>
</tr>
<tr>
<td>Propositions</td>
<td>111</td>
</tr>
<tr>
<td>Notes</td>
<td>115</td>
</tr>
<tr>
<td>References</td>
<td>116</td>
</tr>
</tbody>
</table>

### 6. Ecology’s Contribution to Cross-National Theory and Research

*W. Parker Frisbie and Abdullah H. M. Al-Khalifah*

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Previous Contributions of Human Ecology to Comparative Research</td>
<td>118</td>
</tr>
<tr>
<td>Conclusions</td>
<td>126</td>
</tr>
<tr>
<td>Notes</td>
<td>127</td>
</tr>
<tr>
<td>References</td>
<td>127</td>
</tr>
</tbody>
</table>

### 7. The Human Ecology of Agriculture in the United States

*Steve H. Murdock and Don E. Albrecht*

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Human Ecological Assumptions and Concepts Applicable to U.S. Agriculture</td>
<td>132</td>
</tr>
<tr>
<td>Human Ecological Dimensions of Agriculture</td>
<td>139</td>
</tr>
<tr>
<td>Examples of the Use of Ecology in Agriculture</td>
<td>141</td>
</tr>
<tr>
<td>The Future Development of the Human Ecology of Agriculture</td>
<td>150</td>
</tr>
</tbody>
</table>
8. Ecological Approaches in the Study of Racial and Ethnic Differentiation and Inequality ................................................................. 157

Mark A. Fossett and Cynthia M. Cready

The Legacy of Hawley's Contributions ............................................. 159
Differentiation, Inequality, and Ethnic Stratification ......................... 161
Ethnic Affiliation and Ethnic Group Formation .................................. 166
Ethnic Identity and Ethnic Background: A Digression ......................... 168
The Origins of Racial and Ethnic Inequality ...................................... 169
Ethnic Boundaries and Continuing Ethnic Competition ....................... 172
Ecological Assimilation Theory: Beyond Park .................................... 174
Subordinate Group Responses to Ethnic Stratification ......................... 177
The Ecological Theory of Expansion: Implications for Long-Term Trends in Ethnic Relations ................................................................. 179
Ecological Interpretations of Contemporary Ethnic Conflict ................. 182
Summary and Discussion .................................................................... 185
Notes ............................................................................................. 186
References ....................................................................................... 188

9. Enhancing the Spatial Policy Framework with Ecological Analysis ................................................................. 195

David L. Brown

What Is Meant by Spatial Distribution Policy? ..................................... 196
Human Ecology and Rural Policy .......................................................... 202
Enhancing the Spatial Policy Framework ............................................. 209
Notes ............................................................................................. 210
References ....................................................................................... 211

II. EMPIRICAL RESEARCH

10. Division of Labor and Morphological Response: Evidence from Saudi Arabia ................................................................. 217

W. Parker Frisbie and Abdullah H. M. Al-Khalifah

Saudi Arabia: An Overview ............................................................... 218
11. Determinants of the Division of Labor in China .......... 241

Michael Xinxiang Mao

Literature Review ........................................... 242
Hypotheses ................................................... 244
Methods ..................................................... 245
Results ....................................................... 246
Discussion and Implications ............................... 248
Notes .......................................................... 249
References ................................................... 250

12. The Effects of Public and Private Sustenance Organizations on Population Redistribution in New York State ............... 251

Thomas A. Hirschl, Dudley L. Poston, Jr., and W. Parker Frisbie

An Ecological Model of Migration .......................... 252
Analysis of Net Migration ................................... 259
Discussion .................................................... 264
Notes .......................................................... 265
References ................................................... 265

13. Toward an Integrated Ecological-Sociological Theory of Suburbanization ............................................. 269

Sean-Shong Hwang and Steve H. Murdock

Hypotheses ................................................... 273
Data and Methodology ..................................... 275
Results ....................................................... 277
Conclusion .................................................... 279
References ................................................... 280
CONTENTS XV

14. Spatial Segregation and Social Differentiation in China .......... 283
   Dudley L. Poston, Jr., Michael Micklin, and Jing Shu
   Historical Background .................................. 284
   Data and Methods ....................................... 287
   Results .................................................. 293
   Discussion .............................................. 294
   References .............................................. 297

15. An Ecological Investigation of Agricultural Patterns in the United States .................. 299
   Steve H. Murdock and Don E. Albrecht
   Effects of the Internationalization of Agriculture on Rural Areas .... 300
   Impact of Irrigation in the Great Plains ..................... 306
   Improving the Methodological Base of a Human Ecological Approach to U.S. Agriculture ........ 312
   References .............................................. 314

   Mark A. Fossett, M. Therese Seibert, and Cynthia M. Cready
   Labor Force Participation in Local Areas ..................... 319
   Factors Affecting Participation of African-American Men .......... 320
   Research Design ......................................... 325
   Operationalization of Key Variables .......................... 327
   Analysis .................................................. 330
   Conclusion ............................................... 340
   Notes ..................................................... 341
   References .............................................. 342

Epilogue: Confessions of a Sometime Ecologist (Mostly Human) .. 345
   Amos H. Hawley

About the Contributors ........................................ 351