

# CONTENTS

*(Starred sections are mathematical)*

<b>Introduction</b>	<b>1</b>
<b>1. The Biogeographic Subdivisions of the Earth</b>	<b>4</b>
1. Biogeographic Realms, Regions, and Provinces, 4	
*2. Biogeographic Classification by an Objective Method, 16	
*3. Biogeographic Subdivision of a Littoral Biota, 19	
<b>2. Biogeography and Continental Drift</b>	<b>26</b>
1. Plate Tectonics and Paleogeography, 27	
2. Plant Distribution and Continental Drift, 37	
3. Vertebrate Distribution and Continental Drift, 50	
4. Invertebrates and Continental Drift, 60	
<b>3. Evolution, Phylogeny, and Geographic Spread</b>	<b>65</b>
1. Phylogenetic and Evolutionary Systematics, 65	
2. Evolution and Dispersal, 73	
3. Sympatric, Allopatric, Parapatric, and Quasi-Sympatric Speciation, 81	

	Contents
4. The Quaternary Ice Age and Biogeography	108
1. The Biogeographic Effects of Changing Sea Levels in the Quaternary, 111	
2. Nunataks, Refugia, and Relicts, 117	
3. Effects of the Glaciations in Regions Far from the Ice, 123	
4. The Biogeographic History of Beringia, 130	
5. The Biogeography of Marine Organisms	138
1. Classification of the Marine Biosphere, 140	
2. Changing Dispersal Routes and Changing Marine Climates, 150	
3. Latitudinal Zonation, Present and Past, 160	
4. Horizontal and Vertical Dispersal in the Sea, 168	
6. Island Biogeography	173
1. The Equilibrium Theory of Island Biogeography, 174	
*2. The Quantitative Theory of Island Biogeography, 184	
3. Long-Term Changes in Island Biotas, 190	
7. Geographical Ecology	201
1. Regional Communities: Resemblances and Contrasts, 202	
2. Latitudinal and Altitudinal Zonation and the Elements of Regional Biotas, 215	
*3. Interspecific Competition: Biogeographical Considerations, 223	
*4. Mapping Infraspecific Variation, 230	
8. Dispersal, Diffusion, and Secular Migration	242
1. The Three Modes of Spread of a Species, 242	
2. The Effects of Continental Drift on Species Spread, 245	
3. Dispersal by Long-Distance Jumps, 254	

9. Disjunctions	266
1. The Causes of Range Disjunctions, 267	
*2. Testing for "Cryptic" Disjunctions, 279	
10. The Geography of Genes and Chromosomes	294
1. Differing Ranges in Haploid and Diploid Generations, 295	
2. The Geography of Polyploidy, 297	
*3. Gene Flow Along a Geographic Gradient, 305	
Bibliography and Author Index	315
Taxonomic Index	337
Subject Index	345