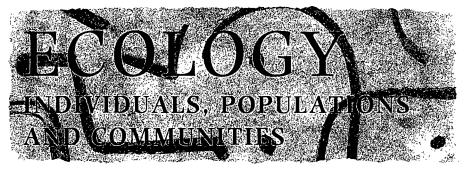
G1,89



MICHAEL BEGON

Department of Environmental and Evolutionary Biology, The University of Liverpool, Liverpool, United Kingdom

JOHN L. HARPER

Cae Groes, Glan-y-coed Park, Dwygyfylchi, Penmaenmawr, North Wales

COLIN R. TOWNSEND

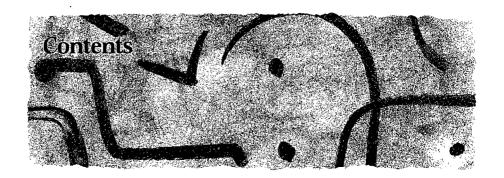
Department of Zoology, University of Otago, Dunedin, New Zealand

THIRD EDITION

Technische Hochschule Darmstadt
FACHBEREICH 10 - BIOLOGIE
- Bibliothek Schnittspahnstraße 10
D-64287 Darmstadt

Inv.-Nr. 13486

Blackwell Science



Preface, vii

Introduction: Ecology and its Domain, x

Part 1: Organisms

Introduction, 3

- 1 The Match between Organisms and their Environments, 4
- 2 Conditions, 48
- 3 Resources, 90
- 4 Life and Death in Unitary and Modular Organisms, 135
- 5 Dispersal, Dispersion and Migration in Space and Time, 173

Part 2: Interactions

Introduction, 211

- 6 Intraspecific Competition, 214
- 7 Interspecific Competition, 265
- 8 The Nature of Predation, 313
- 9 The Behaviour of Predators, 334
- 10 The Population Dynamics of Predation, 369
- 11 Decomposers and Detritivores, 402
- 12 Parasitism and Disease, 429
- 13 Symbiosis and Mutualism, 482

Part 3: Three Overviews

Introduction, 525

14 Life-History Variation, 526

- 15 Abundance, 567
- 16 Manipulating Abundance: Killing and Culling, 621

Part 4: Communities

Introduction, 677

- 17 The Nature of the Community, 679
- 18 The Flux of Energy through Communities, 711
- 19 The Flux of Matter through Communities, 744
- 20 The Influence of Competition on Community Structure, 775
- 21 The Influence of Predation and Disturbance on Community Structure, 801
- 22 Food Webs, 828
- 23 Islants, Areas and Colonization, 861
- 24 Patterns in Species Richness, 884
- 25 Conservation and Biodiversity, 913

Glossary, 953

References, 971

Organism Index, 1031

Subject Index, 1049