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Conclusions and Prospects

Chapter 5: The Taxonomy of Theory I. Overview; II. The Bases of Taxonomy; III. Understanding and Diversity of Theory; IV. Examples of the Classification of Theories and Models; V. Conclusions and Prospects; Part III: From Theory to Integration and Application; Chapter 6: Fundamental Questions: Changes in Understanding; I. Overview; II. Theory and Change in Understanding; III. Examples of Fundamental Questions; IV. All Fundamental Questions Are Not Created Equal; V. Where Do Radically New Theories Come From?; VI. Conclusions and Prospects; Chapter 7: Integration and Synthesis; I. Overview II. Integration III. Questions for Integration; IV. Radical Integration and Paradigms; V. Theory as a Constraint on Integration across Paradigms: New Fundamental Questions; VI. Theory as a Constraint on Integration across Paradigms; VII. Conclusions and Prospects; Part IV: Theory and Its Environment; Chapter 8: Constraint and Objectivity in Ecological Integration; I. Overview; II. Sociological Constraints on Integration; III. Societal Constraints on Integration; IV. Scientific Objectivity and Changes in Paradigm; V. Integration and Paradigms Affecting the Whole of Ecology VI. Conclusions and Prospects Chapter 9: Ecological Understanding and the Public; I. Overview; II. Scientific versus Public Concepts of Theory; III. Certainty and Belief in Science; IV. Judging Science in the Public Sphere; V. The State of Public Knowledge of Ecology; VI. Rights and Responsibilities in Ecological Understanding; VII. What It All Means; LITERATURE CITED; INDEX

Sommario/riassunto

This widely anticipated revision of the groundbreaking book, *Ecological Understanding*, updates this crucial sourcebook of contemporary philosophical insights for practicing ecologists and graduate students in ecology and environmental studies. The second edition contains new ecological examples, an expanded array of conceptual diagrams and illustrations, new text boxes summarizing important points or defining key terms, and new reference to philosophical issues and controversies. Although the first edition was recognized for its clarity, this revision takes the opportunity to make the exposi
