

1. Record Nr.	UNINA9910807630403321
Titolo	The evolution of phylogenetic systematics // edited by Andrew Hamilton
Pubbl/distr/stampa	Berkeley : , : University of California Press, , [2014] ©2014
ISBN	0-520-95675-3
Descrizione fisica	1 online resource (320 p.)
Collana	Species and systematics ; ; volume 5
Altri autori (Persone)	HamiltonAndrew <1972->
Disciplina	578.01/2
Soggetti	Biology - Classification - Philosophy Cladistic analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Frontmatter -- Contents -- List Of Contributors -- 1. Reflections On The History Of Systematics -- 2. Willi Hennig'S Part In The History Of Systematics -- 3. Homology As A Bridge Between Evolutionary Morphology, Developmental Evolution, And Phylogenetic Systematics -- 4. Historical And Conceptual Perspectives On Modern Systematics: Groups, Ranks, And The Phylogenetic Turn -- 5. The Early Cladogenesis Of Cladistics -- 6. Cladistics At An Earlier Time -- 7. Patterson'S Curse, Molecular Homology, And The Data Matrix -- 8. History And Theory In The Development Of Phylogenetics In Botany -- 9. Well-Structured Biology: Numerical Taxonomy'S Epistemic Vision For Systematics -- 10. A Comparison Of Alternative Form-Characterization: Approaches To The Automated Identification Of Biological Species -- 11. The New Systematics, The New Taxonomy, And The Future Of Biodiversity Studies -- Index -- About The Editor -- Species And Systematics
Sommario/riassunto	The Evolution of Phylogenetic Systematics aims to make sense of the rise of phylogenetic systematics-its methods, its objects of study, and its theoretical foundations-with contributions from historians, philosophers, and biologists. This volume articulates an intellectual agenda for the study of systematics and taxonomy in a way that connects classification with larger historical themes in the biological sciences, including morphology, experimental and observational

approaches, evolution, biogeography, debates over form and function, character transformation, development, and biodiversity. It aims to provide frameworks for answering the question: how did systematics become phylogenetic?
