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Chapter One. Notes on the Geology of the Shawangunk Ridge on the Mohonk Preserve and Environs -- Chapter Two. Level-bottom Brachiopod Communities in the Middle Devonian of New York -- Chapter Three. Brachiopods of the Onondaga Limestone in Central and Southeastern New York -- Chapter Four. Chonetacean Brachiopods of the "Pink Hallinetes" Zone, Onondaga Limestone (Devonian, Eifelian), Central New York -- Chapter Five. Brachiopods of the Onondaga Formation, Moorehouse Member (Devonian, Eifelian), in the Genesee Valley, Western New York -- Chapter Six. Paleoecology and Morphologic Variation of a Paleocene Terebratulid Brachiopod (*Oleneothyris harlani*) from the Hornerstown Formation of New Jersey -- Chapter Seven. Notes on and Description of *Oleneothyris fragilis* (Morton) 1828 (Brachiopoda, Terebratulidae) -- Chapter Eight. *Oleneothyris subfragilis* (d'Orbigny, 1850), a Replacement Name for the Brachiopod *Oleneothyris fragilis* (Morton, 1828) -- Chapter Nine. The Shawangunk and Martinsburg Formations Revisited: Sedimentology, Stratigraphy, Mineralogy, Geochemistry, Structure, and Paleontology -- Chapter Ten. Paleocommunities of the Onondaga Limestone (Middle Devonian) in Central New York State -- Chapter Eleven. Fossils and Facies of the Onondaga Limestone in Central New York -- Chapter Twelve. Paleogeography and Brachiopod Paleoecology of the Onondaga Limestone in Eastern New York -- Chapter Thirteen. Understanding the East Central Onondaga Formation (Middle Devonian): An Examination of the Facies and Brachiopod Communities of the Cherry Valley Section, and Mt. Tom, a Small Pinnacle Reef -- Appendix -- Index

Sommario/riassunto

The chapters in this book will cover the paleontology and geology of some important rock formations (Paleozoic and Paleogene) in the northeastern United States. The emphasis will be on brachiopod paleontology, specifically taxonomy, but will also include comments on morphologic variation and community analysis. The Martinsburg formation in the lower mid-Hudson Valley has been studied for many years but recently yielded numerous marine fossils that shed new light on the community ecology of the formation in the region. The Middle Silurian Shawangunk Formation near New Paltz, New York, is an important ridge-maker that extends toward the southwest into Pennsylvania. Recently discovered rare trace fossils in the Shawangunk will be discussed along with the depositional environment of the conglomerate. The Onondaga Limestone is a well-known formation that crops out from Port Jervis, northeast toward Albany and the westward to Buffalo. The brachiopods and community structure of the formation will be covered in some detail. The paleoecology of the Paleogene Hornerstown Formation of New Jersey will also be discussed, including a biostrome of large terebratulid brachiopods.
