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Chapter 14. The Biodiversity Question: How Many Species of Terrestrial Arthropods Are There? Insect Zoos as Windows into Forest Canopies; Chapter 15. Physical Transport, Heterogeneity, and Interactions Involving Canopy Anoles; The Color of Poison: Flamboyant Frogs in the Rainforest Canopy; Chapter 16. Ecology and Conservation of Canopy Mammals; Body Mass of Gliding Mammals: An Energetic Approach; Vertical Stratification of Small Mammals in Lowland Rainforest of the Australian Wet Tropics; Orangutans: The Largest Canopy Dwellers; Part III: Ecological Processes in Forest Canopies; Introduction Chapter 17. Photosynthesis in Forest Canopies Chapter 18. Insect Herbivory in Tropical Forests; Measuring Forest Herbivory Levels Using Canopy Cranes; Chapter 19. Nutrient Cycling; Chapter 20. Reproductive Biology and Genetics of Tropical Trees from a Canopy Perspective; DNA Sequences and Orchid Classification; Chapter 21. Decomposition in Forest Canopies; Chapter 22. Survival Strategies: A Matter of Life and Death; Part IV: Conservation and Forest Canopies; Introduction; Chapter 23. Tarzan or Jane? A Short History of Canopy Biology; Canopy Walkways: Highways in the Sky International Canopy Crane Network

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Sommario/riassunto

The treetops of the world's forests are where discovery and opportunity abound, however they have been relatively inaccessible until recently. This book represents an authoritative synthesis of data, anecdotes, case studies, observations, and recommendations from researchers and educators who have risked life and limb in their advocacy of the High Frontier. With innovative rope techniques, cranes, walkways, dirigibles, and towers, they finally gained access to the rich biodiversity that lives far above the forest floor and the emerging science of canopy ecology. In this new edition of Fo

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