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Nota di contenuto	PART I MY CONTRIBUTIONS TO INORGANIC CHEMISTRY 1. Exploratory Chemistry with a Multifunctional Model Borane, B10H14 2. Discovery of the Polyhedral Borane Anions [closo-B10H10]2 3. The Genesis and Evolution of Carborane Chemistry: Examples of Heteroatom-Substituted Borane Clusters 4. The Design and Synthesis of Hybrid Borane Clusters: Metallacarboranes and Metallaboranes 5. Probing New Reactions: Oxidative Addition to B-H Bonds, Reactions at Metal Vertices and Catalysis 6 The Search for "Clustered Clusters" 7. Unique Main Group, Lanthanide and Alkaline- Earth Metallacarboranes; Sandwiches, Baskets, and Self-Assembled Chains 8. Biomedical Applications of Borane Cluster Chemistry 9. Carborane-Supported Macrocyclic Lewis Acids: Novel Electrophilic Host Species 10. Molecular Frameworks Based upon Carborane Cages 11.Highly Alkylated Carborane Icosahedral [closo-B12H12]2- Derivatives ("Camouflaged Carboranes and Polyhedral Boranes) 12. Icosahedral Borane Dianion and Carborane Species with Hydroxylated Surfaces 13. Advances in [closo-B10H10]2- and Related [B20H18]2- /[B20H18]4 - Chemistry A FEW PHOTOGRAPHS FROM THE ALBUM PART II MY PERSONAL STORY 14. Early Life in Kansas and Missouri 15. WW II, High School and Chemistry 16. College Entry and Chemistry Mentor 17. Pomona College and Research 18. UCLA Graduate Work with Donald J. Cram, and Predoctoral Fellowship 19.

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	PhD Thesis 20. Postdoctoral Research with George Hammond at lowa State 21. Huntsville Research at Start of Career 22. Life With Explosives and Rockets 23. Creating A New Research Group Based Upon Sparsely Known Borane Chemistry 24. Success in New Fields of Propellant Chemistry 25. Moving on to New Concepts for Solid Propellant Rocket Fuel 26. Energetic Materials 27. Ralph Connor and Rohm and Haas Huntsville 28. Harvard Teaching 29. Laboratory Head at Rohm and Haas Philadelphia 30. Full Professor at UC Riverside and Flying 31. Metallacarboranes etc 32. Flying with Herb Brown, Nobel Laureate 33. Hank Herring 34. Industrial and Military Consulting 35. Boron Neutron Capture Therapy 36. UCLA Professor 1969 to 2006 37. Editorship of Inorganic Chemistry 38. Return to Missouri: The Founding Director for The International Institute of Nano and Molecular Medicine 39. Personal Experience with Head and Neck Cancer 40. BNCT Odyssey AFTER-WORDS BIBLIOGRAPHY AWARDS. HONORS AND LECTURESHIPS.
Sommario/riassunto	Tracing the life of a giant in inorganic chemistry and key trends in his science, Boranes and Beyond follows Hawthorne from his mid- American origins to the halls of Harvard and UCLA and back again. It naturally details the accomplishments in his lab. This book is a fascinating mixture of science and autobiography. Prof. Hawthorne won the Priestley Medal, the highest award of the American Chemical Society, for his pioneering work in elucidating the chemistry of boron. He has chronicled in this book the developments in his lab which ultimately led to this achievement. Not content to rest on his laurels, after retiring from UCLA Prof. Hawthorne explored the use of boron in biomedicine and directed the International Institute of Nano & Molecular Medicine at the University of Missouri-Columbia.