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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Historical Perspective on Experimental Research in Biological Anthropology -- Experimental Comparative Anatomy in Physical Anthropology: The Contributions of Dr. William L. Hylander to Studies of Skull Form and Function -- In Vivo Research into Masticatory Function -- A Nonprimate Model for the Fused Symphysis: In Vivo Studies in the Pig -- Symphyseal Fusion in Selenodont Artiodactyls: New Insights from~In Vivo and Comparative Data -- Does the Primate Face Torque? -- Motor Control of Masticatory Movements in the Southern Hairy-Nosed Wombat (Lasiorhinus latifrons) -- Specialization of the Superficial Anterior Temporalis in Baboons for Mastication of Hard Foods -- Modeling Masticatory Apparatus Function -- Effects of Dental Alveoli on the Biomechanical Behavior of the Mandibular Corpus -- Surface Strain on Bone and Sutures in a Monkey Facial Skeleton: An In Vitro Approach and its Relevance to Finite Element Analysis -- Craniofacial Strain Patterns During Premolar Loading: Implications for Human Evolution -- Jaw-Muscle Architecture -- Scaling of Reduced

Physiologic Cross-Sectional Area in Primate Muscles of Mastication -- Scaling of the Chewing Muscles in Prosimians -- The Relationship Between Jaw-Muscle Architecture and Feeding Behavior in Primates: Tree-Gouging and Nongouging Gummivorous Callitrichids as a Natural Experiment -- Bone and Dental Morphology -- Relationship Between Three-Dimensional Microstructure and Elastic Properties of Cortical Bone in the Human Mandible and Femur -- Adaptive Plasticity in the Mammalian Masticatory Complex: You AreWhat, and How, You Eat -- Mandibular Corpus Form and Its Functional Significance: Evidence from Marsupials -- Putting Shape to Work: Making Functional Interpretations of~Masticatory Apparatus Shapes in Primates -- Food Physical Properties and Their Relationship to Morphology: The Curious Case of kily -- Convergence and Frontation in Fayum Anthropoid Orbits -- What Else Is the Tall Mandibular Ramus of the Robust Australopiths Good For? -- Framing the Question: Diet and Evolution in Early Homo.

Sommario/riassunto

Primates have unusual heads among mammals. Their big brains, relatively short faces and forward-facing eyes are part of a unique combination of traits that have captured the interest of biological anthropologists for decades. Describing the patterns of primate craniofacial evolution as well as sorting out the functional consequences of this evolutionary history has been fundamental in developing our current understanding of primates. Primate Craniofacial Function and Biology surveys current research on primate heads emphasizing the recent progress and diversity of functional studies into primate and mammalian craniofacial form. Much of the work included in this volume was inspired by William L. Hylander and his life-long contribution to research on primate craniofacial form and function.