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Nota di contenuto	Golf Balls, Boomerangs and Asteroids; Table of Contents; Word Finder; Chapter 1 Why do Golf Balls have Dimples?; 1.1 Warning: Golf Balls are Potentially Lethal!; 1.2 Featheries, Gutties, and Composite Balls; 1.3 Bouncing Balls and Leaping Athletes; 1.4 Golf Balls with Perfect Centres of Gravity; 1.5 What turns an Innocent Dimpled White Ball into a Lethal Missile?; 1.6 Golf Ball Dynamics: Impulsive Deformation and a Lift from Dr . Magnus; 1.7 The Scientific Study of Dimples; 1.8 Floating Golf Balls and Aggressive Crocodiles; 1.9 Golf Balls in the 21St Century; References Chapter 2 The Science of Bows and Arrows2.1 Using Potential Energy to Launch a Missile; 2.2 Working at Storing Potential Energy in a Bow; 2.3 Graphical Illustration of the Energy Stored in a Shielded Bow; 2.4 Vane Strategies; 2.5 The Composite Bow; 2.6 The Crossbow and William Tell; 2.7 How Big should an Arrow Be?; 2.8 The Bow and Arrow in Military History; 2.9 Pulleys for Bows; 2.10 Metaphorical Missiles and Metamorphosed Bows; References; Chapter 3 Racketeering Missiles; 3.1 Love and Tennis; 3.2 Tennis Balls - Flannel Wrap and Gas!; 3.3

Vibrations, Sweet Spots, and Space Age Rackets

3.4 Serving the Ball; 3.5 How Do They Measure the Velocity of those Speeding Balls?; 3.6 Slow Down, You Move Too Fast; 3.7 Carbon Feathers and Plastic Skirts for Battered Birds; 3.8 Are You Being Served? (The Robot is Here); References; Chapter 4 Bolas, Boomerangs and Bouncing Bombs; 4.1 Gauchos, Bolas, and Spinning Tops; 4.2 Boxcar Integrators and Lasers; 4.3 Some Circumspect Vocabulary; 4.4 Killing Giants and Catching Fish; 4.5 Dancing Aborigines and Skipping Stones; 4.6 Deadly Missiles of Cricket and Baseball; 4.7 Keep Your Eye Away from the Ball?; References

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8.2 The Dynamics of Asteroid Collisions on the Surface of the Earth

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Sommario/riassunto

Exciting reading for anyone with a curious mind! 'Walking one day by a golf course in Wisconsin, I was startled to hear a sharp bang as a golf ball narrowly missed my head and hit a tree. My companion cheerfully remarked, 'That could have killed you, you know.' I picked up the innocent looking little white ball and looked at it with new respect.' Prompted by this perilous experience, Brian Kaye has written a delightful and informative book on the design and behavior of different kinds of missiles from golf balls, arrows, and slingshots to comets and rockets to outer space. You'll

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