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Nota di contenuto	[Pt.] I. Geometry. The asymmetric propeller / Martin Gardner -- The asymmetric propeller revisited / Gillian Saenz, Christopher Jackson, and Ryan Crumley -- Bracing regular polygons as we race into the future / Greg W. Frederickson -- A platonic sextet for strings / Karl Schaffer -- Prince Rupert's rectangles / Richard P. Jerrard and John E. Wetzel -- [pt.] II. Number theory and graph theory. Transcendentals and early birds / Martin Gardner -- Squaring, cubing, and cube rooting / Arthur T. Benjamin -- Carryless arithmetic mod 10 / David Applegate, Marc LeBrun, and N.J.A. Sloane -- Mad tea party cyclic partitions / Robert Bekes, Jean Pedersen, and Bin Sha -- The continuing saga of snarks / sarah-marie belcastro -- The map-coloring game / Tomasz Bartnicki [and others] -- [pt.] III. Flexagons and Catalan numbers. It's okay to be square if you're a flexagon / Ethan J. Berkove and Jeffrey P. Dumont -- The V-flex, triangle orientation, and Catalan numbers in hexaflexagons / Ionut E. Iacob, T. Bruce McLean, and Hua Wang -- From hexaflexagons to edge flexagons to point flexagons / Les Pook -- Flexagons lead to a Catalan number identity / David Callan -- Convergence of a Catalan series / Thomas Koshy and Z. Gao -- [pt.] IV. Making things fit. L-tromino tiling of mutilated chessboards / Martin Gardner -- Polyomino dissections / Tiina Hohn and Andy Liu -- Squaring the plane / Frederick V. Henle and James M. Henle -- Magic knight's tours / John Beasley -- Some new results on magic hexagrams / Martin Gardner -- Finding all solutions to the magic hexagram / Alexander Karabegov and Jason Holland -- Triangular numbers,

Gaussian integers, and KenKen / John J. Watkins -- [pt.] V. Further puzzles and games. Cups and downs / Ian Stewart -- 30 years of Bulgarian solitaire / Brian Hopkins -- Congo bongo / Hsin-Po Wang -- Sam Loyd's courier problem with Diophantus, Pythagoras, and Martin Gardner / Owen O'Shea -- Retrolife and the pawns neighbors / Yossi Elran -- RATWYT / Aviezri Fraenkel -- [pt.] VI. Cards and probability. Modeling mathematics with playing cards / Martin Gardner -- The probability an amazing card trick is dull / Christopher N. Swanson -- The Monty Hall problem, reconsidered / Stephen Lucas, Jason Rosenhouse, and Andrew Schepler -- The secretary problem from the applicant's point of view / Darren Glass -- Lake Wobegon dice / Jorge Moraleda and David G. Stork -- Martin Gardner's mistake / Tanya Khovanova -- [pt.] VII. Other aspects of Martin Gardner. Against the odds / Martin Gardner -- A modular miracle / John Stillwell -- The golden ratio : a contrary viewpoint / Clement Falbo -- Review of The mysterious Mr. Ammann by Marjorie Senechal / Philip Straffin -- Review of PopCo by Scarlett Thomas / Martin Gardner -- Superstrings and Thelma / Martin Gardner.

Sommario/riassunto

Martin Gardner enormously expanded the field of recreational mathematics with the Mathematical Games columns he wrote for Scientific American for over 25 years and the more than 70 books he published. He also had a long relationship with the Mathematical Association of America, publishing articles in MAA journals right up to his death in 2010. This book collects the articles Gardner wrote for the MAA in the twenty-first century, together with other articles the MAA published from 1999 to 2012 that spring from and comment on his work.
