The Wayback Machine - http://web.archive.org/web/20160304223526/http://www.kknop.com/math/MG15bo…

\<Канон\>[1] от Мартина Гарднера

1. Mathematical Puzzles and Diversions (1959)

Математические головоломки и развлечения, главы 1-15

2. More Mathematical Puzzles and Diversions (1962)

Математические головоломки и развлечения, главы 16-34

- The Five Platonic Solids
- Tetraflexagons
- Henry Ernest Dudeney: England's Greatest Puzzlist
- Digital Roots
- Nine Problems
- The Soma Cube
- Recreational Topology
- Phi: The Golden Ratio
- The Monkey and the Coconuts
- Mazes
- Recreational Logic
- Magic Squares
- James Hugh Riley Shows, Inc.
- Nine More Problems
- Eleusis: The Induction Game
- Origami
- Squaring the Square
- Mechanical Puzzles
- Probability and Ambiguity
- References for Further Reading

3. New Mathematical Diversions from Scientific American (1966)

Математические головоломки и развлечения, гл. 35-46
Математические досуги, гл. 1-7

Новые математические развлечения - АСТ, 2008

- The Binary System
- Group Theory and Braids
- Eight Problems
- The Games and Puzzles of Lewis Carroll
- Paper Cutting
- Board Games
- Packing Spheres
- The Transcendental Number Pi
- Victor Eigen: Mathemagician
- The Four-Color Map Problem
- Mr. Apollinax Visits New York
- Nine Problems
- Polyominoes and Fault-Free Rectangles
- Euler's Spoilers: The Discovery of an Order-10 Graeco-Latin Square
- The Ellipse
- The 24 Color Squares and the 30 Color Cubes
- H.S.M. Coxeter
- Bridg-it and Other Games
- Nine More Problems
- The Calculus of Finite Differences

4. The Numerology of Dr. Matrix (columns 1-7, 1967; expanded 1976 with columns 8-18 as *The Incredible Dr. Matrix*; expanded 1985 with columns 19-22 as *The Magic Numbers of Dr. Matrix*)

Нумерология доктора Матрикса. *Не переведена.*

5. *The Unexpected Hanging* (1969; UK *Further Mathematical Diversions*)

Математические досуги, гл. 8-25

- The Paradox of the Unexpected Hanging
- Knots and Borromean Rings
- The Transcendental Number *e*
- Geometric Dissections
- Scarne on Gambling
- The Church of the Fourth Dimension
- Eight Problems
- A Matchbox Game-Learning Machine
- Spirals
- Rotations and Reflections
- Peg Solitaire
- Flatlands
- Chicago Magic Conventions
- Tests of Divisibility
- Nine Problems
- The Eight Queens and Other Chessboard Diversions
- A Loop of String
- Curves of Constant Width
- Rep-Tiles: Replicating Figures on the Plane
- Thirty-Seven Catch Questions (в русском издании 26)
- Bibliography

6. Martin Gardner's Sixth Book of Mathematical Diversions from Scientific American (1971)

Математические досуги, гл. 26-37
Математические новеллы, гл. 1-6

- The Helix

- Klein Bottles and Other Surfaces
- Combinatorial Theory
- Bouncing Balls in Polygons and Polyhedrons
- Four Unusual Board Games
- The Rigid Square and Eight Other Problems
- Sliding-Block Puzzles
- Parity Checks
- Patterns and Primes
- Graph Theory
- The Ternary System
- The Trip around the Moon and Seven Other Problems
- The Cycloid: Helen of Geometry
- Mathematical Magic Trick
- Word Play
- The Pythagorean Theorem
- Limits of Infinite Series - МН гл. 1
- Polyiamonds - МН гл. 2
- Tetrahedrons - МН гл. 3
- Coleridge's Apples and Eight Other Problems - МН гл. 4
- The Lattice of Integers - МН гл 5
- Infinite Regress
- O'Gara, the Mathematical Mailman - МН, гл. 6
- Op Art
- Extraterrestrial Communication

7 Mathematical Carnival (1977)

Математические новеллы *(отдельные главы)*
Нескучная математика - АСТ, 2009

- Sprouts and Brussels Sprouts - <u>МН гл 23</u>
- Penny Puzzles - <u>МН гл 9</u>
- Aleph-Null and Aleph-One - <u>МН гл 10</u>
- Hypercubes - <u>МН гл 16</u>
- Magic Stars and Polyhedrons -
- Calculating Prodigies - <u>МН гл. 20</u>
- Tricks of Lightning Calculators - <u>МН гл. 21</u>
- The Art of M.C. Escher - <u>МН гл 11</u>
- The Red-Faced Cube and Other Problems -
- Card Shuffles -
- Mrs Perkins' Quilt and Other Square-Packing Problems - <u>МН гл 15</u>
- The Numerology of Dr. Fliess -
- Random Numbers -
- The Rising Hourglass and Other Physics Puzzles - <u>МН гл 14</u>
- Pascal's Triangle - <u>МН гл 17</u>
- Jam, Hot and Other Games -
- Cooks and Quibble-Cooks - <u>МН гл. 12</u>
- Piet Hein's Superellipse -
- How to Trisect an Angle - <u>МН гл 13</u>
- Bibliography

8. Mathematical Magic Show (1977)
Математические новеллы *(отдельные главы)*

1000 развивающих головоломок, математических загадок и ребусов для детей и взрослых - АСТ, 2009

- Nothing
- More Ado About Nothing
- Game Theory, Guess It, Foxholes - <u>MH гл. 26</u>
- Factorial Oddities
- The Cocktail Cherry and Other Problems - <u>MH гл 25</u>
- Double Acrostics
- Playing Cards
- Finger Arithmetic - <u>MH гл 30</u>
- Mobius Bands
- Ridiculous Questions - <u>MH гл. 29</u>
- Polyhexes and Polyaboloes - <u>MH гл. 22</u>
- Perfect, Amicable, Sociable - <u>MH гл. 28</u>
- Polyominoes and Rectification
- Knights of the Square Table - <u>MH гл. 24</u>
- The Dragon Curve and Other Problems - <u>MH гл. 15</u>
- Colored Triangles and Cubes
- Trees - <u>MH гл. 27</u>
- Dice
- Everything
- Bibliography

9. *Mathematical Circus* (1979)

Математические новеллы *(отдельные главы)*

Лучшие математические игры и головоломки - АСТ, 2008

- Optical Illusions
- Matches
- Spheres and Hyperspheres
- Patterns of Induction
- Elegant Triangles
- Random Walks and Gambling
- Random Walks on the Plane and in Space
- Boolean Algebra - МН гл. 31
- Can Machines Think?
- Cyclic Numbers
- Eccentric Chess and Other Problems
- Dominoes - МН гл. 36
- Fibonacci and Lucas Numbers - МН гл 32
- Simplicity
- The Rotating Round Table and Other Problems - МН гл. 34
- Solar System Oddities
- Mascheroni Constructions - МН гл. 35
- The Abacus
- Palindromes: Words and Numbers
- Dollar Bills
- Bibliography

10. *Wheels, Life and Other Mathematical Amusements* (1983)

Крестики-нолики

- Wheels
- Diophantine Analysis and Fermat's Last Theorem
- The Knotted Molecule and Other Problems
- Alephs and Supertasks
- Nontransitive Dice and Other Probability Paradoxes
- Geometrical Fallacies
- The Combinatorics of Paper Folding
- A Set of Quickies
- Ticktacktoe Games
- Plaiting Polyhedrons
- The Game of Halma
- Advertising Premiums
- Salmon on Austin's Dog
- Nim and Hackenbush
- Golomb's Graceful Graphs
- Charles Addams' Skier and Other Problems
- Chess Tasks
- Slither, 3X+1, and Other Curious Questions
- Mathematical Tricks with Cards
- The Game of Life, Part I
- The Game of Life, Part II
- The Game of Life, Part III

11. *Knotted Doughnuts and Other Mathematical Entertainments* (1986)

Плетёнки и Другие Математические Развлечения. *Не переведена*

- Coincidence

- The Binary Gray Code
- Polycubes
- Bacon's Cipher
- Doughnuts: Linked and Knotted
- The Tour of the Arrows and Other Problems
- Napier's Bones
- Napier's Abacus
- Sim, Chomp and Racetrack
- Elevators
- Crossing Numbers
- Point Sets on the Sphere
- Newcomb's Paradox
- Reflections on Newcomb's Paradox
- Reverse the Fish and Other Problems
- Look-See Proofs
- Worm Paths
- Waring's Problems
- Cram, Bynum and Quadraphage
- The *I Ching*
- The Laffer Curve

12. *Time Travel and Other Mathematical Bewilderments* (1988)

Путешествие во времени

- Time Travel
- Hexes and Stars
- Tangrams, Part 1
- Tangrams, Part 2

- Nontransitive Paradoxes
- Combinatorial Card Problems
- Melody-Making Machines
- Anamorphic Art
- The Rubber Rope and Other Problems
- Six Sensational Discoveries
- The Csaszar Polyhedron
- Dodgem and Other Simple Games
- Tiling with Convex Polygons
- Tiling with Polyominoes, Polyiamonds, and Polyhexes
- Curious Maps
- The Sixth Symbol and Other Problems
- Magic Squares and Cubes
- Block Packing
- Induction and Probability
- Catalan Numbers
- Fun with a Pocket Calculator
- Tree-Plant Problems

13. *Penrose Tiles to Trapdoor Ciphers* (1989)

От мозаик Пенроуза к надежным шифрам

- Penrose Tiling
- Penrose Tiling II
- Mandelbrot's Fractals
- Conway's Surreal Numbers
- Back from the Klondike and Other Problems
- The Oulipo
- The Oulipo II

- Wythoff's Nim
- Pool-Ball Triangles and Other Problems
- Mathematical Induction and Colored Hats
- Negative Numbers
- Cutting Shapes into N Congruent Parts
- Trapdoor Ciphers
- Trapdoor Ciphers II
- Hyperbolas
- The New Eleusis
- Ramsey Theory
- From Burrs to Berrocal
- Sicherman Dice, the Kruskal Count and Other Curiosities
- Raymond Smullyan's Logic Puzzles
- The Return of Dr. Matrix

14. *Fractal Music, Hypercards and More* (1992)

Музыка фракталов. *Не переведена*

- White, Brown and Fractal Music
- The Tinkly Temple Bells
- Mathematical Zoo
- Charles Sanders Peirce
- Twisted Prismatic Rings
- The Thirty Color Cubes
- Egyptian Fractions
- Minimal Sculpture
- Minimal Sculpture II
- Tangent Circles
- The Rotating Table and Other Problems

- Does Time Ever Stop? Can the Past Be Altered?
- Generalized Ticktacktoe
- Psychic Wonders and Probability
- Mathematical Chess Problems
- Douglas Hofstader's *Godel, Escher, Bach*
- Imaginary Numbers
- Pi and Poetry: Some Accidental Patterns
- More on Poetry
- Packing Squares
- Chaitin's Omega

15. *The Last Recreations* (1997)

Последние занимательные задачи. *Не переведена*

- The Wonders of a Planiverse
- Bulgarian Solitaire and Other Seemingly Endless Tasks
- Fun with Eggs, Part I
- Fun with Eggs, Part II
- The Topology of Knots
- M-Pire Maps
- Directed Graphs and Cannibals
- Dinner Guests, Schoolgirls, and Handcuffed Prisoners
- The Monster and Other Sporadic Groups
- Taxicab Geometry
- The Power of the Pigeonhole
- Strong Laws of Small Primes
- Checker Recreations, Part I

- Checker Recreations, Part II
- Modulo Arithmetic and Hummer's Wicked Witch
- Lavinia Seeks a Room and Other Problems
- The Symmetry Creations of Scott Kim
- Parabolas
- Non-Euclidean Geometry
- Voting Mathematics
- A Toroidal Paradox and Other Problems
- Minimal Steiner Trees
- Trivalent Graphs, Snarks, and Boojums

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[1] Такую характеристику для 15 книг Гарднера, содержащих его колонки из Scientific American, дал Дональд Кнут.