

Publications of Alexander Soifer

PUBLICATIONS IN FILM STUDIES

A Heavenly Art of Animation, *Incontri Internazionali del Cinema d'Animazione, Matita Film Festival 2000*, 49-55.

Film di Yuri Norstein (A Filmography), *Incontri Internazionali del Cinema d'Animazione, Matita Film Festival 2000*, 56.

Reivew of "The Knot" (Aleksandr Solzhenitsyn), a film written and directed by Aleksandr Sokurov, *The American Historical Review* 105(2), 2000, 656-657.

Review of "The Long Way Home", an Oscar winning film by Mark Jonathan Harris, *American Historical Review*, October 1998, 1378-1379.

PUBLICATIONS IN ANTHROPOLOGY

Fernandez, J.W., *The Art of the Fang Peoples from Alexander Soifer Collection*, University of Colorado Colorado Springs, Colorado Springs, 2011.

I led all steps of creating this catalog: selection of theme, selection of artifacts; inviting the leading anthropologist Professor James W. Fernandez from the University of Chicago, photography (most with Tom Kimmell and some by myself), search and selection of old rare photographic material, graphic layout (with Jeff Foster), photo editing (with Jeff Foster) copy editing of the entire book, cover design, correcting printer's proofs.

I have also written two out of three articles, comprising most pages of the catalog (listed separately below).

Why African Art? Why the Fang People? In Fernandez, J.W., *The Art of the Fang Peoples from Alexander Soifer Collection*, University of Colorado Colorado Springs, Colorado Springs, 2011.

Catalog: Ethnographic description of 98 artifacts. In Fernandez, J.W., *The Art of the Fang Peoples from Alexander Soifer Collection*, University of Colorado Colorado Springs, Colorado Springs, 2011.

PUBLICATIONS IN MATHEMATICS

Books in Progress

COLORADO MATHEMATICAL OLYMPIAD AND FURTHER EXPLORATIONS: THE THIRD DECADE (2004-2013).

GEOMETRIC GRAPHS, a chapter in the book *TOPICS IN CHROMATIC GRAPH THEORY*,

Lowell Beineke and Robin J. Wilson (ed.), Cambridge University Press. Under contract, submitted, to appear in 2014.

MEMORY IN FLASHBACK: A MATHEMATICIAN'S ADVENTURES ON BOTH SIDES OF THE ATLANTIC. The title says it all, estimated volume 400 pp. Under contract. To appear in *Springer* in 2016.

PROBLEMS OF P.G.O.M. ERDŐS. A book of open problems of Paul Erdős. Jointly with Paul Erdős . This book, written jointly with Paul Erdős (1913-1996), will present his favorite problems with their motivation, history, partial results, conjectures, and bibliography. It will also be a homage to the great mathematician Paul Erdős . Under contract. To appear in *Springer* in 2015.

LIFE & FATE: IN SEARCH OF VAN DER WAERDEN. For the first time ever, a comprehensive, historically rigorous, book-length view of the life of the great XX century Dutch mathematician Bartel Leendert van der Waerden, controversial due to his serving the entire Nazi time in Germany, and consequently being denied a professorship by the Queen Wilhelmina of Holland in 1945-1946. This biography allows the author an opportunity to raise important moral professional issues, such as a proper behavior of a scientist in tyranny. Under contract. To appear in *Birkhäuser Springer* in 2014.

Books Published

COLORADO MATHEMATICAL OLYMPIAD AND FURTHER EXPLORATIONS: FROM THE MOUNTAINS OF COLORADO TO THE PEAKS OF MATHEMATICS, Springer, New York, 2011.

A book, covering all problems, solutions (sometimes several solutions) and the detailed history of the Colorado Mathematical Olympiad, 1984-2003. Furthermore, it includes 20 original essays, introducing and inviting the reader to do mathematical research. Each essay builds a “bridge” from problems of mathematical Olympiads to problems of mathematical research. Also included are evaluations of the Olympiad’s worth through its impact on several winners; this part is written by winners themselves. It is a unique book that stops discrimination of young high school and college mathematicians based on their young age, and offers them a chance to work on unsolved problems of mathematics.

RAMSEY THEORY YESTERDAY, TODAY AND TOMORROW, convening editor, author of two prefaces (and author of two papers and a problem set, listed below), “Progress in Mathematics” series Birkhäuser, Springer, New York, 2011.

A most prestigious in mathematics series dedicated to monographs presenting the forefront of mathematical research. I was contracted by Springer to convene this volume of important papers. And so I invited the best researchers in the field of Ramsey Theory to write especially for this volume, arranged for refereeing of each paper, wrote a preface and an introduction. Then the three editors of “Progress in Mathematics,” including Hyman Bass, sent the book for the second round of refereeing by Terrence Tao (Fields Medalist) and Richard Stanley. My two essays listed below, amount to c. 35% of this volume.

GEOMETRIC ETUDES IN COMBINATORIAL MATHEMATICS, 2nd expanded edition. Springer, New York, 2010.

This book brings up the original text to the forefront of mathematics by adding c. 50% of a new text and research results, and even some new topics of combinatorial and discrete geometry.

HOW DOES ONE CUT A TRIANGLE? 2nd expanded edition, Springer, New York, 2009.

This book brings up the original text to the forefront of mathematics by adding c. 50% of a new text and results in combinatorial and discrete geometry.

MATHEMATICS AS PROBLEM SOLVING, 2nd expanded edition, Springer, New York, 2009.

This book contains new chapter building bridges between mathematics of the Olympiads and such sophisticated fields as Ramsey Theory and Finite Affine Geometry; c. 20% of a new text and results.

THE MATHEMATICAL COLORING BOOK: MATHEMATICS OF COLORING AND THE COLORFUL LIFE OF ITS CREATORS, Springer, New York, 2009.

A book on Combinatorial and Discrete Geometry and Ramsey Theory, which also includes certain areas of Number Theory, Graph Theory, Topology, Measure Theory, Set Theory, Mathematical Logic, Philosophy of Mathematics, History of Mathematics, Psychology of Discovery, and Aesthetics. It includes new results of the author in mathematics and in the history of mathematics, discussions of psychology of invention and philosophy of the foundations of mathematics. This book, 18 years in researching and writing, has simply been the goal of life.

VAN DER WAERDEN: RAZMYSHLENJA O ZHIZNI I SUD'BE (Van der Waerden: Pondering on Life and Fate), MZCMO (Moscow Center of Continuing Mathematical Education), November, 2008 (Russian),

LES MATHEMATIQUES PAR LA RESOLUTION DE PROBLEMES, Editions du Choix, Argenteuil, France, 1995 (French translation of 1st edition of *MATHEMATICS AS PROBLEM SOLVING*).

COLORADO MATHEMATICAL OLYMPIAD: THE FIRST TEN YEARS AND FURTHER EXPLORATIONS, Center for Excellence in Mathematical Education, Colorado Springs, CO, 1994.

GEOMETRIC ETUDES IN COMBINATORIAL MATHEMATICS, jointly with Vladimir Boltyanski (Russia), Center for Excellence in Mathematical Education, Colorado Springs, CO, 1991.

HOW DOES ONE CUT A TRIANGLE? Center for Excellence in Mathematical Education, Colorado Springs, CO, 1990.

MATHEMATICS AS PROBLEM SOLVING, Center for Excellence in Mathematical Education, Colorado Springs, CO, 1987.

MATHEMATIKA, by Edward Lozansky, Kiev, 1976. Second part (Geometry) was written jointly by Edward Lozansky and Alexander Soifer.

Articles Submitted

Problems of pgom Erdős, submitted to *Congressus Numerantium*, April 2013.

Combinatorial Geometry Offers Gifted Students a Field for Doing Research: Concerto in Four Movements, submitted to *Mathematics Competitions* (Australia).

Some of My Favorite Problems of Combinatorial Geometry, Solved and Unsolved: What Can Be Offered in Classroom and How, submitted to *Mathematics Competitions* (Australia).

What “Problem Solving” Ought to Mean and How Combinatorial Geometry Answers this Question: Divertimento in Nine Movements, submitted to *Mathematics Competitions* (Australia).

Creating Problems for the Colorado Mathematical Olympiad: An Etude in Four Movements, submitted to *Mathematics Competitions* (Australia).

Articles Accepted

Articles Published

Paul Erdős at 100 and His Problem Book: An Essay in Six Parts, *Geombinatorics* XXII(4), 2013, 140-156.

The Goal of Mathematics Education, Including Competitions, Is to Let Student Touch “Real” Mathematics: We Ought to Build that Bridge, *Mathematics Competitions* 25(2), 2012, 47-67 (Journal of the World Federation of National Mathematics Competitions).

Van der Waerden and Heisenberg: The story of one friendship in seventeen sketches, *Congressus Numernatium* 213 (2012), 65-79.

A Proof from The Book: A Lower Bound for the Polychromatic Number of the Plane, *Congressus Mathematicorum* 213 (2012), 197-201 (second, corrected publication).

Mathematical Olympiads for Secondary Students, What is their effect on successful contestants? A Conversation in Five Parts, *Mathematics Competitions* 25(1), 2012, 13-24 (Australia).

Mathematical Olympiads for Secondary Students, What is their effect on successful contestants? A Conversation in Five Parts, *Mathematical Creativity and Giftedness*, 2012,

issue 2, 10-16 (invited paper).

Van der Waerden and Heisenberg: The Story of One Friendship in Seventeen Sketches, *Geombinatorics* XXI(4), 2012, 138-156.

The Birth of a Problem, *Geombinatorics* XXII(1), 2012, 24-38.

Between the Line and the Plane: Chromatic Étude in 6 Movements, *Proceedings of the 6th Congress of the World Federation of National Mathematics Competitions*, Riga, Latvia, 2011, 40-53. (The text of the plenary talk at the Congress given in Riga in 2010.)

Problems by Alexander Soifer, *The Problem Book*, The 6th Congress of the World Federation of National Mathematics Competitions, Riga, Latvia, 2011, 42-45.

A Proof from The Book: A Lower Bound for the Polychromatic Number of the Plane, *Congressus Mathematicorum* (Canada) 209 (2011), 27-31.

“In Order to Form a More Perfect Union...”, *Mathematics Competitions* 24(1), 2011, 28-32, a journal of the World Federation of National Mathematics Competitions, Canberra, Australia.

“Because Germany Needs Me,” A Review of David C. Cassidy’s book “Beynd Uncertainty, Heisenberg, Quantum Physics, and the Bomb,” *Geombinatorics* XXI(1), 2011, 34-36.

Between the Line and the Plane: Chromatic Étude in 6 Movements, *Mathematics Competitions* 23(2), 2010, 30-45, a journal of the World Federation of National Mathematics Competitions, Canberra, Australia.

Which Comes First: Research or Its Conclusions? A Review of Rüdiger Thiele’s book “Van der Waerden in Leipzig”, *Geombinatorics* XX(3), 2011, 117-123.

Sensationalist Journalism vs. Exposition of Mathematics, A Review of George G. Szpiro’s book “A Mathematical Medley: Fifty Easy Pieces on Mathematics”, *Geombinatorics* XX(3), 2011, 124-127.

To Save and Harass, A Review by Alexander Soifer of Alexander Stephan’s book “‘Communazis’: FBI Surveillance of German Emigré Writers”, *Geombinatorics* XX(3), 2011, 128-132.

Un problema de Teoría de Grafos, de Colorado (Traducción por el editor del original en inglés), *Revista Escolar de la OIM*, vol. 39, August 2010, 3pp.

The Man behind the Theory, Frank Plumpton Ramsey: An Essay in Six Parts, *Congressus Numerantium* 204 (2010), 113-127.

Ramsey Theory before Ramsey, Prehistory and Early History: An Essay in 13 Parts, in the monograph *Ramsey Theory Yesterday, Today and Tomorrow*, by A. Soifer (ed.), “Progress in Mathematics” series, Birkhäuser, Springer, New York, 2010, 1-26.

Chromatic Number of the Plane & Its Relatives, History, Problems and Results: An Essay in 11 Parts, in the monograph *Ramsey Theory Yesterday, Today and Tomorrow*, by A. Soifer (ed.), "Progress in Mathematics" series, Birkhäuser, Springer, New York, 2010, 121-162.

Problems on Chromatic Number of the Plane and Its Relatives, in the monograph *Ramsey Theory Yesterday, Today and Tomorrow*, by A. Soifer (ed.) "Progress in Mathematics" series, Birkhäuser, Springer, New York, 2010, 189.

A Raw Graph Theory Text, A Review of Xiong Bin and Zheng Zhongyi's textbook Graph Theory ("Mathematical Olympiad" Ser., Vol. 3), *Geombinatorics* XX(2), 2010, 77-79.

Passing the Flaming Torch! A Review of Isaak M. Yaglom's book "Geometric Transformations IV", *Geombinatorics* XX(2), 2010, 80-84.

Building a Bridge III: From Problems of Mathematical Olympiads to Open Problems of Mathematics, Mathematics Competitions 23(1), 2010, 27-38.

A Quarter a Century of Discovering & Inspiring Young Gifted Mathematicians: All the Best from the Colorado Mathematical Olympiad, Mathematics Competitions, 23(1), 2010, 39-50.

Escape of the Mathematical Kind, a Review of Reinhard Siegmund-Schultze's monograph "Mathematicians Fleeing from Nazi Germany", *Geombinatorics* XX(1), 2010, 31-37.

Issai Schur, the first giant of Ramsey theory: an essay in seven parts, *Congressus Numerantium* 195 (2009), 205-220.

The Great Geometer is 80, *Geombinatorics* XIX(2), 2009, 37-41.

Building a Bridge II: From Problems of Mathematical Olympiads to Open Problems of Mathematics, Mathematics Competitions 22(1), 2009, 59-66.

A Quarter a Century of Discovering and Inspiring Young Gifted Mathematicians: All the Best from Colorado Mathematical Olympiad, *J. Korea Soc. Math. Education* 12(4) 2008, 271-281 (Actually published on June 9, 2009).

Encyclopedia of Graph Coloring and the Story of Its Creation: An Essay in Five Parts, a Review of G. Chartrand and P. Zhang's book "Chromatic Graph Theory", *Geombinatorics* XVIII(3), 2009.

The Tragedy of Bartel Leendert van der Waerden, *Congressus Numerantium* 192 (2008), 53-63.

Building a Bridge I: From Problems of Mathematical Olympiads to Open Problems of Mathematics, Mathematics Competitions 21, No. 2, 2008, pp. 11-20.

The Man of Choice, A Review of “Ernst Zermelo: An Approach to His Life and Work” by Heinz-Dieter Ebbinghaus, *Geombinatorics* XVII(4), 2008, 172-174.

Victor Klee as a Referee, *Geombinatorics* XVII(3), 2008, 111-112.

Ramsey Theory before Ramsey, *Congressus Numerantium* 184 (2007), 33-44.

Distance Graphs Whose Chromatic Numbers are Affected by the Underlying Set Theory, *Congressus Numerantium* 185 (2007), 19-22 (jointly with D. Karabash, an undergraduate student at Columbia University).

Chromatic Number of the Plane Theorem in Solovay’s Set Theory, *Geombinatorics* XVII(2), 2007, 85-87.

Soup Opera & Dirty Laundry: The Early Years of the Institute for Advanced Study; A Review of Steve Batterson’s *Pursuit of Genius: Flexner, Einstein, and the Early Faculty at the Institute for Advanced Study*, *Geombinatorics* XVII(1), 2007, 41-44.

Catalogue Raisonné of the International Mathematical Olympiads; A Review of D. Djukic et al’s *The IMO Compendium: A Collection of Problems Suggested for The International Mathematical Olympiads: 1959-2004*, *Geombinatorics* XVII(1), 2007, 45-46.

On Shelah-Soifer Class of Graphs, *Geombinatorics* XVI(4), 2007, 363-366 (jointly with Dmytro Karabash, Columbia University undergraduate).

In Search of Van der Waerden: The Early Years, *Geombinatorics* XVI(3), 2007, 305-342.

The Case of Dr. Danut Marcu: Serial Plagiarism and Signing of False Statements, *Geombinatorics* XVI(3), 2007, 293-298.

Imagining the Real, Realizing the Imaginary: The Choice in Mathematics, *Mathematics Competitions* 19(2), 2006, 8-29. (Journal of the World Federation of National Mathematics Competitions, Australia).

Teacher, Dedicated to Paul Erdős, *Mathematics Competitions* 19(2), 2006, 30.

New Results on Covering of Triangles with Triangles and Squares with Squares, *Congressus Numerantium* 183 (2006), 77-82.

The Axiom of Choice, Must It Be True? *Integral* 9(5), 2006, 18-27 (a journal of the Yerevan University, Armenia).

The Passions of Brouwer. A Review of Dirk van Dalen’s 2-vol. monograph *Mystic, Geometer, and Intuitionist: The Life of L. E. J. Brouwer*, *Geombinatorics* XVI(2), 2006, 277- 283.

A Sharper Upper Bound for Cover-Up Squared, *Geombinatorics* XVI(3), 2006, 219-226; jointly with Dmytro Karabash of Columbia University.

Playing Games with Martin Gardner. A Review of *Martin Gardner's Mathematical Games: The Entire Collection of His Scientific American Column*, *Geombinatorics* XV(4), 2006, 285-286.

The Failed Tests: A Review of M. Shifman's, editor's *You Failed You Math Test, Conrade Einstein: Adventures and Misadventures of Young Mathematicians*, *Geombinatorics* XV(4), 2006, 191-195.

The Book is now a Book. A Review of P. Brass, W. Moser, and J. Pach's *Research Problems in Discrete Geometry*, *Geombinatorics* XV(4), 2006, 196-201.

Covering a Square of Side $n + \varepsilon$ with Unit Squares, *Journal of Combinatorial Theory, Series A*, 113(2), 2006, 416-419.

On Covering Trigons, *Geombinatorics*, XV(1), 2005, 13-17, jointly with Dmytro Karabash of Columbia University.

Cover-Up Squared II, *Geombinatorics* XV(1), 2005, 28-31.

Cover-Up Squared, *Geombinatorics* XIV(4), 2005, 221-226.

Two New Problems on Covering Triangles with Triangles and Squares with Squares, *Congressus Numerantium* 175 (2005), 183-188.

Axiom of Choice and Chromatic Number of R^n , *Journal of Combinatorial Theory, Series A*, 110(1), 2005, 169-173.

Covering a Triangle with Triangles, *American Mathematical Monthly* 112(1), 2005, 78, jointly with John H. Conway, Princeton University.

In Search of Van der Waerden. Leipzig and Amsterdam, 1931-1951. Part III: Amsterdam, 1946-1951, *Geombinatorics* XIV(3), 2005, 124-161.

Money in Service of Mathematics: A Review of Reinhard Siegmund-Schultze's *Rockefeller and the Internationalization of Mathematics Between the Two World Wars*, *Geombinatorics* XIV(3), 2005, 162-165.

A Geometer's Bible: A Review of J. E. Goodman & [J. O'Rourke](#), editors' *Handbook of Discrete and Computational Geometry*, *Geombinatorics* XIV(3), 2005, 166-169.

What is a Mathematician's Idea of Fun? A Review of Peter Winkler's *Mathematical Puzzles: A Connoisseur's Collection*, *Geombinatorics* XIV(3), 2005, 170-171.

How the Axiom of Choice Can Affect the Chromatic Number of Distance Graphs: Three

Examples on the Plane, *Congressus Numerantium* 166 (2004), 5-9; jointly with Saharon Shelah of Hebrew University, Jerusalem.

A Journey from Ramsey Theory to Mathematical Olympiad to Finite Projective Planes, *Mathematics Competitions* 17(2), 2004, 8-16. (Journal of the World Federation of National Mathematics Competitions, Australia).

Na Zgadky pro Pola Erdosha: Nashi Spil'ni Sadazi z Kombinatornoi Geometrii, parts 1 and 2, *U Svite Matematiki (In the World of Mathematics)* 10(2), 2004, 6-9, Journal of Kiev University, Ukraine. (A translation of "In Memory of Paul Erdős: Our Joint Problems in Combinatorial Geometry I", *Geombinatorics* VI(4), 1997, 156-157; and "In Memory of Paul Erdős: Our Joint Problems in Combinatorial Geometry II", *Geombinatorics* VII(1), 1997, 25-28.)

Na Zgadky pro Pola Erdosha: Nashi Spil'ni Sadazi z Kombinatornoi Geometrii, parts 3 and 4, to appear in *U Svite Matematiki (In the World of Mathematics)* 10(3), 2004, 22-25, Journal of Kiev University, Ukraine. (A translation of "In Memory of Paul Erdős: Our Joint Problems in Combinatorial Geometry III", *Geombinatorics* VII(2), 1997, 66-69; and "In Memory of Paul Erdős: Our Joint Problems in Combinatorial Geometry IV", *Geombinatorics* VII(3), 1998, 107-110.)

In Search of Van der Waerden. Leipzig and Amsterdam, 1931-1951. Part II: Amsterdam, 1945, *Geombinatorics* XIV(2), 2004, 72-102.

Cover-Up, *Geombinatorics* XIV(1), 2004, 8-9, jointly with John H. Conway of Princeton University.

In Search of Van der Waerden. Leipzig and Amsterdam, 1931-1951. Part I: Leipzig, *Geombinatorics* XIV(1), 2004, 21-40.

To Leave, To Die, or To Compromise? A Review of *Constantin Carathéodory: Mathematics and Politics in Turbulent Times* by Georgiadou, Maria, *Geombinatorics* XIV(1), July 2004, 41-46.

Examples on the Plane and R^n , *Geombinatorics* XIII(4), April 2004, 186-192, joint with Saharon Shelah.

Public Life of Mathematicians under the Nazis: A Review of *Mathematicians under the Nazis* by Sanford L. Segal, *Geombinatorics* XIII(4), April 2004, 197-202.

Axiom of Choice and Chromatic Number: Examples on the Plane, *Journal of Combinatorial Theory, Series A* 105(2), 2004, 359-364 (jointly with Saharon Shelah, The Hebrew University).

Khromaticheskoe Chislo Ploskosti: Ego Proshloye, Nastoyashchee I Budushchee (Chromatic Number of the Plane: Its Past, Present and Future); *Matematicheskoye Prosveshchenie (Mathematical Enlightenment)*, Ser. 3, issue 8 (2004), 186-221 (Russian).

Dvenadzat' Let "Geombinatoriki" (Dozen Years of "Geombinatorics"), *Matematicheskoye Prosveshchenie (Mathematical Enlightenment)*, Ser. 3, issue 8 (2004), 132-135 (Russian).

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Terror and Exile: Persecution and Expulsion of Mathematicians from Berlin between 1933 and 1945; by Brüning, Jochen; Ferus, Dirk; and Siegmund-Schultze, Reinhard; [Berlin]: Deutsche Mathematiker-Vereinigung, 1998, A Book Review, *Geombinatorics* XIII(3), 2004, 153-157

Chromatic Number of the Plane: Its Past and Future, *Congressus Numerantium* 160 (2003), 69-82.

50th Anniversary of One Problem: Chromatic Number of the Plane & Its Relatives, *Mathematics Competitions* 16(1), 2003, 9-41. (Journal of the World Federation of National Mathematics Competitions, Australia).

Axiom of Choice and Chromatic Number of the Plane, *Journal of Combinatorial Theory, Series A* [103\(2\)](#), 2003, 387-391 (jointly with Saharon Shelah).

Mathematical Coloring That Defies Intuition; Proceedings of the Third International Conference "Creativity in Mathematics Education and the Education of Gifted Students", Rouse, Bulgaria; V-Publications, Athens, Greece, 2003, 37 - 43.

Mathematical Instruction: What is Its Purpose?; Proceedings of the Third International Conference "Creativity in Mathematics Education and the Education of Gifted Students", Rouse, Bulgaria; V-Publications, Athens, Greece, 2003, 280 - 288.

Chromatic Number of the Plane & Its Relatives, Part III: Its Future, *Geombinatorics* XIII(1), 2003, 41-46 (this part only is a joint work with Saharon Shelah, Israel).

Chromatic Number of the Plane & Its Relatives, Part II: Polychromatic Number & 6-Coloring, *Geombinatorics* XII(4), 2003, 191-216.

Chromatic Number of the Plane & Its Relatives. Part I: The Problem & Its History, *Geombinatorics* XII(3), 2003, 131-148.

A Stone Age Entertainment; in "Geometry and Mathematics Competitions" in 2 vol's, ed. by

Ali Rejali, Isfashan University of Technology, Iran, vol. 2, 2002, 219-226.

Ten Years of Geombinatorics, *Mathematics Competitions* (Journal of the World Federation of National Mathematics Competitions, Australia) 15(1), 2002, 44-49.

A Geometric Interpretation for a Game with Evolving Rules, *Geombinatorics* XII(1), 2002, 31-37.

SYMMETRY by Hans Walser Translated from the original German by Peter Hilton, with the assistance of Jean Pedersen, A Book Review, *Geombinatorics* XII(1), 2002, 38-39.

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One More Biography of Paul Erdős: A Review of the Book by Bruce Schechter "My Brain is Open: The Mathematical Journeys of Paul Erdős, *Geombinatorics* X(4), 2001, 179-182.

From Squares in a Square to Triangles in a Triangle: A Ride on a Mathematical Train of Thought, *Mathematics Competitions* (Journal of the World Federation of National Mathematics Competitions, Australia) vol. 13(2), 2000, 16-33.

From Problems of Mathematical Olympiads to Open Problems of Mathematics, *Congressus Numerantium* (Canada), 145 (2000), 121-127.

S'stezania, Matematika, Zhivot, *Matematika Plus* 4 (1999) 11-19 (Bulgarian)..Expanded by the author translation of "Mathematics, Competitions, Life", *Mathematics Competitions* (Journal of the World Federation of National Mathematics Competitions, Australia) vol. 11(2), 1999, 20-41.

Politics Colored by Mathematics, *Geombinatorics* IX(4), 2000, 208-214.

Problem 4 for USA Mathematical Olympiad. It was published, with my solution, in several publications.

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Another Roof, Another Proof, A Review of the book "*The Man Who Loved Only Numbers: The Story of Paul Erdős and Search for Mathematical Truth*" by Paul Hoffman, *Geombinatorics* VIII(2), 1998, 61-64.

Packing Clones in Convex Figures, *Geombinatorics* VIII(1), 1998, 166-168.

Discs in a Disc, *Geombinatorics* VII(4), 1998, 139-140.

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Map Colouring in Victorian Age: Problems, History, Results, *Mathematics Competitions* (Journal of the World Federation of National Mathematics Competitions), vol. 10 (1), 1997, 20-31.

In Memory of Paul Erdős: Our Joint Problems in Combinatorial Geometry III, *Geombinatorics* VII(2), 1997, 66-69.

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On the Border of Two Years: An Interview with Paul Erdős, *Geombinatorics* VI(3), 1997, 99-110.

Dekil'ka Narisiv pro Matematichni Rozfarbuvannya (A few Brushstrokes of mathematical Coloring), *U Sviti Matematiki* vol. 2, issue 4, Kiev, Ukraine, 62-68. A Ukrainian translation of the article from *Mathematics*, Australia.

Another Six-Coloring of the Plane, *Discrete Mathematics* (Netherlands) 150 (1996) 427-429, (Jointly with I. Hoffman).

The Baudet-Schur Conjecture on Monochromatic Arithmetic Progressions: An Historical Investigation, *Congressus Numerantium* 117(1996) 207-216 (Canada).

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Squares in a Square II, *Geombinatorics*, V(3), 1996, 121.

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