

Box List: Peter Braunfeld and Family Papers
Liberal Arts and Sciences, UIUC
ID: 15/14/40

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Arrangement:
Series 1: Correspondence and Subject Files
Series 2: Courses
Series 3: Publications

Complete Finding Aid:
<http://archives.library.illinois.edu/archon/index.php?p=accessions/accession&id=382>
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University Archives
University of Illinois Urbana-Champaign
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Series 1: Correspondence and Subject Files, 1957-1996

Consists of Peter Braunfeld's professional correspondence, awards, conference materials and talks, UIUC Department of Mathematics *Math Tattler* newsletters, committee reports, and children's books written by Belgian mathematician Frédérique Papy-Lenger, arranged alphabetically by title.

Box 1

1. Addition, subtraction, and division logical background notes, undated
2. Administrative (National Science Foundation assignment agreement), 1992-1994
3. Correspondence, 1957-1958
4. Correspondence, 1959-1960
5. Correspondence, 1961
6. Correspondence, 1962
7. Correspondence, 1963
8. Correspondence, 1964
9. Correspondence, January-May 1965
10. Correspondence, June 1965-July 1967
11. Correspondence, September 1967-November 1968
12. Correspondence, 1969-1970
13. Correspondence, January 1971-June 1972
14. Correspondence, July 1972-May 1973
15. Correspondence, June 1973-June 1974
16. Correspondence, July 1974-March 1975
17. Correspondence, 1976-1977
18. Correspondence, January-June 1984
19. Correspondence, August 1984-July 1985
20. Correspondence, August 1985-April 1986
21. Correspondence, 1987
22. Correspondence, 1990-July 1991
23. Correspondence, August-December 1991
24. Correspondence, 1993
25. Director of Math and Computer Education Proposal Appointment letter, 1988
26. "Elementary School Teachers Learn Computer Instruction Techniques" article on Braunfeld, undated
27. Excellence in Extramural Teaching Award, 1992
28. Frédérique Papy-Lenger "81 Roses" and "Dancing Friends" math books, 1974
29. Frédérique Papy-Lenger "Don't Be Unhappy" and "the Happy Puppet" math books, 1974

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Series 1: Correspondence and Subject Files

Box 1

30. Frédérique Papy-Lenger "Hidden Treasure" and "I am Not my Name" math books, 1974
31. Frédérique Papy-Lenger "Little Donkey" and "Little Dreamer" math books, 1974
32. Frédérique Papy-Lenger "Living Lines" and "Magic Box" math books, 1974
33. Frédérique Papy-Lenger "New playground" and "One out of Seven" math books, 1974
34. Frédérique Papy-Lenger "Singing Friends" math book, 1974

Box 2

1. Math Tattler (UIUC Department of math newsletters), 1985-1989
2. Gold Form, 1986-1987, 1987-1988
3. Gold Form, 1988-1989
4. Gold Form, 1989-1990
5. Gold Form, 1990-1991
6. Gold Form, 1991-1992
7. Illinois Council of Teachers of Mathematics talk, 1990
8. Interview with Kaufman, Haag, and Smith, Science Education News, 1972
9. "Lincoln as Surveyor," 1994
10. Math Tattler (UIUC Department of Mathematics newsletters), 1985-1989
11. National Council of Teachers of Mathematics Central Regional Conference talk, 1996
12. Panels, spring 1993
13. Report of the Math118 committee, 1995
14. Second International Congress on Mathematical Education Program, 1972
15. Second CSMP International conference on the Teaching of Mathematics at the Pre-college Level, 1970
16. University of Illinois Committee on School Mathematics, 1972
17. Urbana Schools 10th Annual Midwinter Conference talk, 1987

Series 2: Courses, 1957-1991

Consists of courses, summer programs, and workshops taught by Peter Braunfeld including courses on calculus, algebra, linear transformations and matrices, the Calculus for Teachers Summer Institute, and the Rockford Calculus for Teachers Project, arranged alphabetically by title.

Box 2

18. Calculus for Teachers Summer Institute and Workshop, 1990-1991 (1 of 3)
19. Calculus for Teachers Summer Institute and Workshop, 1990-1991 (1 of 3)
20. Calculus for Teachers Summer Institute and Workshop, 1990-1991 (1 of 3)
21. Computers for Elementary Teachers workshop, spring 1989
22. Computers for Elementary Teachers workshop, spring 1990
23. Course brochures, 1986-1990
24. Math120 Calculus exams, Fall 1986-Spring 1988 (1 of 2)
25. Math210 Calculus exams, Fall 1988-Spring 1989 (2 of 2)
26. Math305, spring 1991
27. Math313 Final Exam, fall 1991
28. Math315: Linear Transformations and Matrices, summer 1995
29. Math315: Linear Transformations and Matrices videotape courses ca. 1995
30. Math315 Rockford Calculus for Teachers Project, spring 1991 (1 of 2)
31. Math315 Rockford Calculus for Teachers Project, spring 1991 (1 of 2)
32. Math318 exams and homework, 1962-1974
33. Photographs – AYI and summer institute, 1957-1972
34. Student final projects (5 ¼ inch floppy disks), 1988-1990
35. Summer program budgets and executive committee, 1990-1991

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Series 2: Courses, 1957-1991

Box 2

36. Summer program, 1991

Series 3: Publications, 1956-2004

Consists of books, journal articles, reports, conference proceedings, and textbooks authored and co-authored by Peter G. Braunfeld, arranged chronologically.

Box 3

1. (With L. Fosdick and J. Snyder). "A Third Report on the Experiments with Programs for the Simulation of Large Scale Automata on a Digital Computer." CSL Technical Report R-82, University of Illinois, June 1956
2. "A "Natural" Definition of Addition for the Whole Numbers," ca. 1960s
3. (With D. Bitzer and W. Lichtenberger). "PLATO: An Automatic Teaching Device." Report I-103, University of Illinois Coordinated Science Laboratory, June 1961
4. (With D. Bitzer and W. Lichtenberger). "PLATO: a Multiple-Student, Computer-Controlled, Automatic Teaching Device." Report I-109, University of Illinois Coordinated Science Laboratory, October 1961
5. (With D. Bitzer). "PLATO: An Automatic Teaching Device. *I.R.E.*" *Transactions on Education*. E-4, 4: 157-161, December 1961
6. (With D. Bitzer). "Computer Teaching Machine Project: PLATO on Illiac." *Computers and Automation*. 11, 2:16-18, Feb. 1962
7. (With L. Fosdick). "The Use of an Automatic Computer System in Teaching." Report I-109, University of Illinois Coordinated Science Laboratory, September 1962
8. (With D. Bitzer). "Description and Use of a Computer Controlled Teaching System I" *Proceedings of the National Electronics Conference*, 787-792, October, 1962
9. "Fractions for Low Achievers." *The Arithmetic Teacher*, 13, 9: 647-655, December 1966
10. (With C. Dilley and W. Rucker). "A New UICSM Approach to Fractions for the Junior High." *The Mathematics Teacher* (National Council of Teachers of Mathematics). 60, 3: 215-221, March 1967
11. (With C. Dilley and W. Rucker). "Ein neuer Zugang zur Bruchrechnung," March 1967.
12. "Ein Neuer Zugang zur Bruchrechnung vom Standpunkt der Operatoren." *Beiträge zum Mathematikunterricht* (Schroedel) 209-217, 1968
13. *Stretchers and Shrinkers Book 1: the Theory of Stretching Machines*. (Teacher's edition) Harper and Row, 1968
14. *Stretchers and Shrinkers Book 2: Advanced Topics in Stretching and Shrinking*. (Teacher's edition) Harper and Row, 1968
15. *Stretchers and Shrinkers Book 3: Theory of Fractions*. (Teacher's edition) Harper and Row, 1968
16. *Stretchers and Shrinkers Book 4: Decimals*. (Teacher's edition) Harper and Row, 1968
17. "Mathematical Basis for Stretchers and Shrinkers," ca. 1968
18. Review of "Students, Scholars and Parents" by Stephan White in *The Educational Forum*. 17, 2: 244-245, January 1968
19. "Streck-und stauchmaschinen 2. Sugz: Projekt des Kultusministers am hibs." University of Illinois, 1969
20. "The Role of Algebra in a Modern K-12 Curriculum (including a description of the CSMP Algebra Program)." Proceedings of The Third CSMP International Conference on the Teaching of Algebra at the Pre-College Level Volume 1, November 21-27, 1970
21. (with V. Haag and B. Kaufman) "The CSMP Approach to Curriculum Improvement." CEMREL, Comprehensive School Mathematics Program, 1972

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Series 3: Publications, 1956-2004
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22. "Mathematics Education: A Humanist Viewpoint." *International Journal of Mathematical Education in Science and Technology*, 3, 3: 287-289, July/September 1972
23. "Chapter 1: Operational Systems." *Elements of Mathematics Series Book 0: Intuitive Background*. Carbondale, IL: Comprehensive School Mathematics Program, 1973
24. "Chapter 2: The Integers." *Elements of Mathematics Series Book 0: Intuitive Background*. Carbondale, IL: Comprehensive School Mathematics Program, 1973
25. "Chapter 3: Sets, Subsets and Operations with Sets." *Elements of Mathematics Series Book 0: Intuitive Background*. Carbondale, IL: Comprehensive School Mathematics Program, 1973
26. "Chapter 4: Ordered n-Tuples." *Elements of Mathematics Series Book 0: Intuitive Background*. Carbondale, IL: Comprehensive School Mathematics Program, 1973.
27. "Chapter 5: Mappings." *Elements of Mathematics Series Book 0: Intuitive Background*. Carbondale, IL: Comprehensive School Mathematics Program, 1973.
28. "Chapter 6: The Rational Numbers." *Elements of Mathematics Series Book 0: Intuitive Background*. Carbondale, IL: Comprehensive School Mathematics Program, 1973.
29. "Chapter 7: Decimals and an Application of the Rational Numbers." *Elements of Mathematics Series Book 0: Intuitive Background*. Carbondale, IL: Comprehensive School Mathematics Program, 1973
30. "Chapter 8: An Introduction to Probability." *Elements of Mathematics Series Book 0: Intuitive Background*. Carbondale, IL: Comprehensive School Mathematics Program, 1973
31. "Chapter 9: An Introduction to Number Theory." *Elements of Mathematics Series Book 0: Intuitive Background*. Carbondale, IL: Comprehensive School Mathematics Program, 1973
32. "Chapter 10: Algebra in Operational Systems." *Elements of Mathematics Series Book 0: Intuitive Background*. Carbondale, IL: Comprehensive School Mathematics Program, 1973
33. "Chapter 11: Geometry: Incidence and Isometries." *Elements of Mathematics Series Book 0: Intuitive Background*. Carbondale, IL: Comprehensive School Mathematics Program, 1973
34. "Chapter 12: Topics in Probability and Statistics." *Elements of Mathematics Series Book 0: Intuitive Background*. Carbondale, IL: Comprehensive School Mathematics Program, 1973
35. "Chapter 13: Algebra of Real Functions." *Elements of Mathematics Series Book 0: Intuitive Background*. Carbondale, IL: Comprehensive School Mathematics Program, 1973
36. "Chapter 14: Geometry: Similitudes, Coordinates, and Trigonometry." *Elements of Mathematics Series Book 0: Intuitive Background*. Carbondale, IL: Comprehensive School Mathematics Program, 1973
37. "Chapter 15: Topics in Number Theory." *Elements of Mathematics Series Book 0: Intuitive Background*. Carbondale, IL: Comprehensive School Mathematics Program, 1973
38. "Chapter 16: Introduction to Computer Programming." *Elements of Mathematics Series Book 0: Intuitive Background*. Carbondale, IL: Comprehensive School Mathematics Program, 1973

Box 4

1. "Mathematics Education: A Humanist Viewpoint." *Educational Technology*, 13, 11: 43-49, Nov. 1973
2. "The Mini-Computer: A Didactical Analysis." Proceedings of the Second International Congress on Mathematical Education, August 29-September 1, 1973
3. "Prologue." *An Introduction to Mathematics of Grades K-2 a Manual for Teachers of the CSMP Elementary curriculum K-2*. CEMREL: Comprehensive School Mathematics Program, 1973

Series 3: Publications, 1956-2004

Box 4

4. "The Role of Algebra in Modern K-12 Curriculum (Including a Description of the CSMP Algebra Program." *International Journal of Math, Education, Science and Technology*, 4, 175-185, 1973
5. "Some Thoughts on Algorithms and Computers." *Cape Ann, MA Conference on Junior High School Mathematics*, 135-142, Sept. 9-12, 1973
6. (With W. Zaring). *Report on the 1973-1974 Leadership Development Project at the University of Illinois, Urbana-Champaign*, ca. 1973-1974
7. "Basic Skills in Mathematics." *The National Institute of Education (NIE) Conference on Basic Mathematical Skills and Learning, Volume 1: Contributed Position Papers*, p23-32, October 4-6, 1975
8. "Basic Skills in Mathematics." *The National Institute of Education (NIE) Conference on Basic Mathematical Skills and Learning, Volume 2: Working Group Reports*, October 4-6, 1975
9. "Editor's preface and the Role of Algebra in the CSMP K-12 Curriculum," *Teaching of Algebra at the Pre-College Level Proceedings of the Third CSMP International Conference*, CERMEL, Vii-x and 37-59, 1975
10. *Mathematics for Junior High School: Chapters 1-7* (pilot edition). Boston University Mathematics Project, 1975
11. *Mathematics for Junior High School: Chapters 8-9* (pilot edition). Boston University Mathematics Project, 1975. And *Mathematics for Junior High School: Chapter 10* (pilot edition). Boston University Mathematics Project, 1975
12. *Mathematics for Junior High School Second Course: Chapters 1-2* (Pilot edition). Boston University Mathematics Project, 1975. And *Mathematics for Junior High School Second Course: Chapters 5-6* (pilot edition). Boston University Mathematics Project, 1975
13. (With W. Zaring). Summary Report of the University of Illinois AYI Programs 1957-1973, 1976
14. "Report on an Experimental Mathematics Course for the Undergraduate Teaching Training Curriculum." University of Illinois, April 1977
15. *Calculus I Exam File*, (Donald G. Newman, ed.) Engineering Press, 1986
16. *Calculus II Exam File*, (Donald G. Newman, ed.) Engineering Press, 1986
17. *Calculus III Exam File*, (Donald G. Newman, ed.) Engineering Press, 1986
18. "Chapter 1: Introduction to List Processing." *Elements of Mathematics Book S: List Processing and Recursion*, 1987
19. *Linear Algebra Exam File*, (Donald G. Newman, ed.) Engineering Press, 1989
20. "Making Math Fun," letter to the editor, *Chicago Sun-Times*, February 13, 1989
21. (With J. Butsch and B. Gardner). *Computers for Elementary School Teachers Summer, 1990*. University of Illinois Computer Institute, 1990
22. "Calculus for High School Teachers." *Issues in Mathematics Education v.3: Mathematicians and Education Reform 1990-1991* (Fisher, Keynes, and Wagreich, eds.), pp39-49, 1991
23. "Calculus for High School Teachers: Content, History, Pedagogy." University of Illinois at Urbana-Champaign, 1992
24. "A Note to the Editor." *School Science and Mathematics* (School Science and Mathletics Association) 93, 5: 233, May/June 1993
25. "Mathematicians, Teachers and Students Work Together." *Synergy Directorate for Education and Human Resources*. National Science Foundation: Spring 1994
26. "Einige Gedanken ueber die Rolle Der Technologie im Mathematikunterricht," 2004

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Processing Notes:

The following materials were weeded from the Braunfeld's papers: duplicates, student grade books and materials, financial records, and travel expenses with social security information; duplicate publication materials were returned to the family. Loose materials, materials in hanging folders or binders were re-folded and labeled; [] indicate added titles. All other titles are original titles.