

CURRICULUM VITA

RANDALL J. SOUVINEY

University of California, San Diego
Education Studies
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DEGREES AND CREDENTIALS

- Ph.D. in Education (Mathematics), Arizona State University, Tempe, AZ, August 1977
- M.A.T. in Mathematics, San Diego State University, San Diego, CA, June 1971
- B.A. in Mathematics, University of Maine, Orono, ME, June 1968
- California Standard Services Credential – K-12 with Principalship, 1974.
- Standard California Elementary Credential – K-12, 1968.
- Standard California Secondary Credential – Mathematics and English, 1968.
- California Community College Instructors Credential – Mathematics, 1972.
- Private Pilot License, 1974; Instrument Rating, 1992.

PROFESSIONAL HISTORY

- Senior Lecturer Emeritus, Education Studies, January 2008.
- Director, Education Studies (Academic Administrator VII, Step 8), University of California, San Diego – Education Studies offers a Master of Education degree coordinated with the California Multiple and Single Subject Credentials; a Master of Arts in Teaching and Learning: Curriculum Design and Bilingual Education (ASL-English); a Doctor of Education in Teaching & Learning and a Doctor of Education in Educational Leadership (in collaboration with SDSU and CSUSM); a Minor in Education Studies that include service-learning courses in the Partner @ Learning Program. The Director's responsibilities include academic personnel, budget oversight, supervision of student admissions and advising, academic program development, relations with schools, liaison with the State agencies and UCOP, and overall program administration, 1999-present.
- Co-Director, Teacher Education Program, University of California, San Diego, 1997-1998.
- Senior Lecturer with Security of Employment – Teaching interests include mathematics education, computer and network applications in education, research methods and curriculum design, 1992-present (on leave 1992-93 and 2005-06).
- Visiting Scholar – University of Auckland and Oxford University, 1992-93.
- Lecturer & Associate Coordinator, Teacher Education Program, University of California, San Diego, 1981-1996.
- Director – Indigenous Mathematics Project, Papua New Guinea (UNESCO), 1979-81.
- Supervisor and Lecturer – Teacher Education Program, University of California, San Diego. Taught mathematics and science methods courses for preprofessional teacher candidates and supervised field experience, 1973-81 (on leave 1979-81).
- Director – Gifted and Talented Program, Santee School District, California, 1973-74.
- Teacher – (Elementary & Secondary) Santee School district, Santee, California, 1968-73.
- Teacher – (Elementary & Secondary) Whitefield School, Whitefield, Maine, 1966-68.

OTHER PROFESSIONAL ACTIVITIES

- Member – Advisory Committee for California State Superintendent Jack O’Connell, 2007-08.
- Member – Western Association of School Accreditation (WASC), Doctoral Review Committee, 2006-08.
- Member – Task Force on Personnel Processes for Non-Senate Academic Employees, a committee established to review current policy on academic coordinators and administrators, and other non-senate academic personnel and make recommendations to the SVCAA on more effective and efficient academic review procedures for these titles, 2005-06.
- Chair – Science and Mathematics Initiative (SMI) Task Force Credential Committee, an Office of the President faculty group that advises Provost Greenwood on the development of an undergraduate program designed to recruit 1000 UC STEM graduates into K-12 teaching, 2005-06.
- Member – California Institute for Educational Leadership (CIEL) Advisory Committee, a UC Systemwide committee that advises CIEL Director Rod Ogawa and UCOP on the establishment of a yearly research conference for joint Doctor of Education in Educational Leadership students and Statewide K-12 education leaders, 2004-06.
- Co-Principal Investigator – Performance Assessment for California Teachers Project (PACT), a joint UC/Stanford University effort to develop a standardized performance assessment for licensure purposes in California, 2002-present.
- Member – UCSD Academic Senate Committee on Admissions, 2002-2005.
- Acting Director – the Center for Research on Educational Equity, Assessment and Teaching Excellence (CREATE), Spring quarter, 2004.
- Member – Building Advisory Committee for the proposed Educational Technology Building that will house Education Studies, 2004.
- Member – UCSD Academic Administrator Review Panel, 1995-present.
- Member – Executive Committee for the Center for Research on Educational Equity, Assessment and Teaching Excellence (CREATE), 1999-present.
- Member – OASIS Faculty Advisory Committee, 1999-present.
- Chair – Commission on Teacher Credentialing Institution Accreditation Team, Stanford University, 2002.
- Co-Chair – Teacher Education and Professional Development Advisory Committee (TEPDAC) of the UCSD Center for Research on Educational Equity, Assessment and Teaching Excellence (CREATE). 1998-present.
- Member – UCSD Academic Senate Committee on Academic Information Technology, 1999-2002.
- Co-Chair – Committee on Accreditation, California Commission on Teacher Credentialing, 1998-2000.
- Member – UCOP Governor’s Education Initiatives Advisory Committee. 1999-2000
- Member – Vice Chancellor: Student Affairs Academic Enrichment Program Review Committee, 1998-99.
- Member – UCSD Preuss School Director (Principal) Search Committee, 1998-99
- Member – UCSD Preuss School Building Advisory Committee, 1998-2000
- Member – UCSD Principal’s Executive Program Advisory Board, 1999-2000
- Member – Committee on Accreditation, California Commission on Teacher Credentialing, 1997-1998.

- Member – K-12 Planning Action Team: Teacher Education and Professional Development Subcommittee, 1997.
- Member – UCSD Academic Senate Committee on Computing, 1995-1998.
- Member – UCSD K-12 Partnership Committee, 1996-1998
- Member – UCSD Associate Vice-Chancellor's Multimedia Steering Committee, 1994-present.
- Member – Modular Chemistry Consortium Project Advisory Committee, Chemistry Department, UCSD, 1996-present.
- Member – University of California Systemwide Teacher Education Subcommittee, 1995-present.
- Member – UCSD Charter School Planning Committee, 1995-present.
- Member, Chancellor's Advisory Committee on the Feasibility of the UCSD Charter School, 1996.
- Chair – TEP committee to develop an experimental American Sign Language (ASL) Bilingual (BCLAD) credential program and new Bilingual Education option for our M..A. in Teaching and Learning. This experimental ASL/BCLAD program is the first of its kind in the nation, combining bilingual and special education standards into an entry level program for teachers of the deaf. The experimental credential was approved by CTC in March, 1996 and MA options by the Graduate Counsel in June, 1996 and implemented in 1998.
- Network Systems Analyst – Serve as Education Studies systems analyst; maintain network integrity, liaison with campus network services and academic computing, evaluate and purchase system hardware and software updates, service file, mail and www servers, facilitate on-line data access for student services and instruction (1981-present).
- Chair – University of California Systemwide Teacher Education Subcommittee, 1989-91 and 1993-94.
- Consultant – Reviewed the UC Santa Cruz Teacher Education Program administrative structure and made suggestions for improving its quality of service and efficiency, 1996.
- Member – Advisory Committee for the California Center for Teacher Development at UC Santa Cruz, an Eisenhower Professional Development project that will develop a model for teacher preparation to serve culturally and linguistically diverse students, 1996-99.
- Consultant – San Diego Unified School District Advisory Committee to the Urban Systemic Initiative, a five year, \$15,000,000 NSF grant to improve mathematics and science education in the District, 1995-2001.
- Member – Committee on Accreditation's Board of Institutional Reviewers, Commission on Teacher Credentialing, 1996-present.
- Team Leader – Commission for Teacher Credentialing Professional Preparation Program Review Panel, 1986-96.
- Member – Program Review Committee for Mathematics Subject Matter Preparation Programs, Commission on Teacher Credentialing, 1994-96.
- Member – Commission for Teacher Credentialing Professional Preparation Program Review Panel, 1985.
- Member – Fleet-Family Fellowship Review Committee, Reuben H. Fleet Space Theater and Science Center, 1995- present.
- Member – Education Advisory Committee, Reuben H. Fleet Space Theater and Science Center, 1986-present.
- Co-founder – InterLearn Inc. An education software development company which produces interactive writing software for K-12 students published by Encyclopaedia Britannica Corporation and Looking Glass Learning Products, Inc.
- Reviewer – *Journal for Research in Mathematics Education*, 1983-present.

- Reviewer – *American Educational Research Journal, Mathematics Education Information Report, and School Science and Mathematics*, 1983-95.
- Member – Executive Board, Greater San Diego Mathematics Council, 1982-84.
- Editor – Indigenous Mathematics Project Research Series, 1979-81.
- Director – Electronic Media Learning Programs, *The Whole Classroom*, 1978-79.
- Consultant – *Learning Magazine*, 1977-78.
- Consultant – Rand McNally Publishing Company, 1976-79.
- Chairman – Local Arrangements, National Council of Teachers of Mathematics Annual Meeting, 1978.
- General Chairman – Greater San Diego Mathematics Council Annual Conference, 1976.
- President – Greater San Diego Mathematics Council, 1974-76.
- Member – Advisory Committee to the Arithmetic Teacher Editorial Panel, 1974-75.
- Consultant – Title III Tele – Read Project, Department of Education San Diego county, 1973-74.
- Treasurer – Greater San Diego Mathematics Council, 1972-74.
- Lecturer – University Extension, University of California, San Diego, 1971-73.
- Instructor – Grossmont College, El Cajon, California, 1972-73.
- Consultant – Miller Mathematics Improvement Project, California State Department of Education, 1971-73.
- Editor – *The Exponent*, Greater San Diego Mathematics Council, 1970-72.
- Psychiatric Aide – State Mental Hospital, Augusta, ME, 1965-66.

AWARDS AND HONORS

- Greater San Diego Mathematics Council *Outstanding Classroom Mathematics Teacher Award: Postsecondary Level*, 2001.
- Elected to the California Committee on Accreditation, Commission for Teacher Credentialing, 1997-2000. The COA establishes policy on teacher education standards and accredits teacher education programs for the State of California.
- Thurgood Marshall College (Third College) – Excellence in Service Award, 1990.
- National Aeronautics and Space Administration – Lyndon B. Johnson Space Center *Group Achievement Award* for significant contributions to the inaugural KidSat Mission Operations Center Team at the University of California, San Diego, 1996.

GRANTS

- Principal Investigator – California Mathematics and Science Initiative (CMST). A program designed to support undergraduate mathematics and science majors tutoring and mentoring experience with public school students, and introduction to teaching as a career. University of California Office of the President (\$75,000), 2005-06.
- Co-Principal Investigator – Joint Doctor of Education in Educational Studies Implementation Grant (with San Diego State University and California State University, San Marcos). Joint UC/CSU Board (\$540,000), 2004-06.
- Principal Investigator – California Mathematics and Science Initiative (CMST). A program designed to support undergraduate mathematics and science majors tutoring and mentoring experience with public school students, and introduction to teaching as a career. University of California Office of the President (\$190,000), 2004-05.

- Co-Principal Investigator – Performance Assessment for California Teachers Grant (PACT). A multi-campus research and development project to develop a valid and reliable instrument to assess preservice teacher candidates for licensure purposes. University of California Office of the President (\$130,000), 2002-03.
- Co-Principal Investigator – Performance Assessment for California Teachers Grant (PACT) Embedded Assessment Project. A multi-campus research and development project to identify embedded formative assessment tasks to assess preservice teacher candidates at twelve partner institutions. University of California Office of the President/UC Riverside (\$10,000), 2002-03.
- Principal Investigator – *California Teaching Fellowship in Mathematics and Science Project (CTFMS)*. A multi-year academic and public service program designed to train UCSD mathematics, science and engineering undergraduates to tutor in local secondary schools (\$385,000 yearly), 1999-2002.
- Principal Investigator – Joint Education Doctorate Development Grant. A Joint CSU/UC Graduate Board grant to facilitate the development of a joint Ed.D. in Education Leadership at CSUSM, SDSU, and UCSD (\$200,000), 2002-03.
- Principal Investigator – Joint Education Doctorate Planning Grant. A Joint CSU/UC Graduate Board grant to facilitate the development of a joint Ed.D. in Education Leadership at CSUSM, SDSU, and UCSD (\$30,000), 2002-03.
- Principal Investigator – Subject Matter Preparation Program Policy Study for California's Title II Teacher Quality Enhancement Grant. A UC Systemwide grant to update the UCSD CTC Approved Subject Matter Preparation Programs for credential students (\$50,000), 2002-03.
- Institutional Director – Governor's Teacher Scholar Support grant. UCOP funded grant to support the activities of students selected as Governor's Teacher Scholars in the Teacher Education Program at UCSD (\$41,666 annually), 2000-2003.
- UCSD Director – San Diego City Schools Internship Regional Support Network Grant. A Commission on Teacher Credentialing grant to support collaboration among UCSD and four local districts who hire TEP Intern teachers (\$30,000), 2001-02 and (\$39,654), 2002-03.
- Principal Investigator – Early Adopter of the 2042 Credential Standards Grant. A Commission on Teacher Credentialing grant to facilitate the development a multiple and single subject credential program that meets the new California credential standards (\$30,000), 2001-02.
- Principal Investigator – Education Doctorate Planning Grant. A UCOP grant to facilitate the development of an Ed.D. in Teaching and Learning at UCSD (\$60,000), 2001-02.
- Principal Investigator – *Advancing Student Achievement Through Collaborative Professional Development*. A UC Presidential Grant in Education designed to improve the quality of the tutoring experience for both UCSD undergraduates and K-12 tutees by providing enhanced professional development for cooperating teachers, with Caren Holtzman (\$28,000), 2000-2001.
- Co-Principal Investigator – *Algebraic Thinking Institute*. A professional development grant designed to help middle school teachers develop their mathematics content knowledge and pedagogical skills to teach algebra to grade 8 students, with Jeff Rabin and Alfred Manaster (\$160,000/year), 1999-2002.
- Principal Investigator – *Partners at Learning – America Reads Service-Learning Grant* (C. Holtzman, Director) that provided instructional materials for undergraduate reading tutors in local schools, Service-Learning Research & Development Center grant, UCB (\$3600), 1998-1999.
- Recipient - UCSD Instructional Improvement Grant, "TEP 132ABC - America Reads", that provided development support for a new public service course (\$7200), 1998-1999.
- Co-Principal Investigator - *Visualizing Earth Project*. A three year NSF Grant to study the visualization of graphic representations of complex data and the educational potential of emerging technologies and data sources for geographic visualization, with Dan Barstow, Eric Frost, Lynn Liben, and Sally Ride (\$1,800,000), 1995-1999.

- Recipient - One of fourteen programs at UCSD to receive an Intel Corporation "Technology for Education 2000" gift of equipment and software for research and development activities in the Keck Technology Laboratory at TEP (\$20,000), 1997-2000.
- Director - *CAMP Inclusion in Community Teaching Fellowship Project*. Funded NSF-funded fellowships for qualified undergraduates majoring in mathematics, science or engineering who are interested in pursuing a career in teaching after they graduate (\$10,000), 1995-1999.
- Co-Director – *Community Teaching Fellowship Program*, University of California, San Diego. A project funded by UC-Systemwide to support mathematics majors as tutors in the local public schools. Approximately 45 tutors are placed each year in elementary and secondary schools throughout the county (\$30,000-\$260 000), 1987-1999.
- Principal Investigator – *W. M. Keck Interactive Technology Laboratory*. A facility housed in the Teacher Education Program funded by the W. M. Keck Foundation to establish a research laboratory for multimedia curriculum design and a classroom for technology education (\$200 000), 1992-96.
- Principal Investigator – *Towards Universal Access to Math and Science Resources: Phase I of a National Testbed*. A three year subcontract with Bolt Beranek and Newman, Inc., funded by the National Science Foundation, to study the effects of using telecommunications to assist with supervision and communication with practicing intern teachers. Thirty interns in more than a dozen schools participate in this project (\$90 000), 1992-95.
- Principal Investigator – *Community of Explorers*. A three year subcontract with Bolt Beranek and Newman, Inc., funded by the National Science Foundation, to study the effects of simulated science laboratories in classrooms connected via telecommunications on teacher planning and lesson implementation. Five high school sites in San Diego County participate in this study of teacher interaction and instructional computer use (\$165 000), 1992-95.
- Co-Director – *Mathematics Teacher Institute*, University of California, San Diego. A year-long institute funded by the Powell Foundation designed to provide practicing teachers with differing academic backgrounds in mathematics with intensive content and pedagogical instruction to improve mathematics instruction in high schools in San Diego and Imperial Counties. Approximately 65 teachers participate each year (\$1 500 000), 1988-1993.
- University Facilitator – *California Project 2061 Collaborative*, San Diego Unified School District. A project funded by NSF and CPEC to develop a restructured model of science education in the K-12 schools. University facilitator coordinated UCSD faculty who provided technical support to the team of 25 SDUSD teachers over the three year project period (\$45 000), 1988-94.
- Principal Investigator – *California Mathematics Project*, University of California, San Diego. A study which documented the activities of the San Diego State University CMP Institute and its effects on the teaching practices of selected participants. Project personnel also surveyed the professional backgrounds and teaching assignments of secondary mathematics teachers in San Diego and Imperial Counties in preparation for future retraining and recruitment efforts. Responsibilities included supervision of two Research Associates and Secretary, report preparation and budget (\$55 000), 1983–84.
- Principal Investigator – *Exemplary Classroom Computer Use Project*, University of California, San Diego. A study commissioned by the Teacher Education and Computer Center, Department of Education, San Diego, to describe exemplary uses of computers in San Diego public schools and make recommendations regarding actions the Policy Board should consider in its effort to provide appropriate computer skills for students, teachers and administrators. Responsibilities included liaison with the TEC Center, field observations, report preparation and budget (\$10 000), 1983.
- Principal Investigator – *Indigenous Mathematics Project*, Papua New Guinea. A project jointly funded by the Government of Papua New Guinea and the United Nations, the goal of which was to assess the feasibility of utilizing complementary aspects of indigenous and Western mathematics as a basis for developing culturally relevant instructional materials. Responsibility included research design, curriculum development, administration of local staff, analysis, report

preparation, recruiting visiting Research Associates and editing series of 22 IMP research papers and budget (\$300 000), 1979-81.

- Director – National Science Foundation Pre–College Teacher Development in Science Program, *Elementary Mathematics Teaching and the Learning Environment*. Responsibilities included staff selection and hiring, curriculum development, arranging for housing of participants, budget, administration and evaluation. The NSF Elementary Mathematics Institute provided four weeks of intensive training for 32 elementary teachers in the areas of mathematics, problem solving and computer programming. Follow–up sessions provided added support for curriculum implementation throughout the academic year. A teachers' handbook on mathematical problem solving was produced (\$45 000), 1979-80.
- Principal Investigator – Chancellor's Advisory Committee Instructional Improvement Program Grants, *Meeting Individual Needs in Teacher Education*, University of California, San Diego (\$2500), 1977-79.
- Participant – National Science Foundation Study Grant, *Uses of Computers in the Classroom*, San Diego State University, San Diego, California (\$800), 1972-73.
- Director – *Staff Development in Metrification*, Department of Education, San Diego County, Pilot Project Grant (\$1000), 1974.
- Co–Director – *Elementary Science Study Laboratory*, National Defense Education Act Grant, Santee School District (\$3000), 1973.
- Participant – *Miller Mathematics Improvement Project*, California State Department of Education Study Grant (\$1500), 1970-71.

AREAS OF RESEARCH AND TEACHING SPECIALIZATION

- Mathematics education and applications of technology for teaching and learning.

PROFESSIONAL ORGANIZATION MEMBERSHIP

- American Education Research Association (SIG/RME & EFS)
- Mathematical Association of America
- California Council for the Education of Teachers
- Greater San Diego Mathematics Council
- International Group for Psychology of Mathematics Instruction
- National Council of Teachers of Mathematics

PUBLISHED WORK

- | | |
|---|---------------------|
| (1) R. Souviney: <i>Problem Sets: Measurement with Metrics</i> , Tele–Read Project. San Diego County Office of Education, 1973. (149 pages) | TECHNICAL
MANUAL |
| (2) R. Souviney: A Commitment to Developmental Learning. <i>Learning Magazine</i> , 35–41, March, 1975. (5 pages) | RESEARCH
ARTICLE |
| (3) R. Souviney: Using the Appropriate Concrete Models. <i>Learning Magazine</i> , 91–92, September, 1976. (2 pages) | RESEARCH
ARTICLE |
| (4) R. Souviney: Developing the Concept of Number. <i>Learning Magazine</i> , 72–73, October, 1976. (2 pages) | RESEARCH
ARTICLE |
| (5) R. Souviney: Putting Together, Taking Away. <i>Learning Magazine</i> , 60–61, November, 1976. (2 pages) | RESEARCH
ARTICLE |
| (6) R. Souviney: Probability and Statistics. <i>Learning Magazine</i> , 51–52, December, 1976. (2 pages) | RESEARCH
ARTICLE |
| (7) R. Souviney: Array for Multiplication. <i>Learning Magazine</i> , 63–64, | RESEARCH |

- January, 1977. (2 pages) ARTICLE
- (8) R. Souviney: Giving Division Some Meaning. *Learning Magazine*, 68–69, February, 1977. (2 pages) RESEARCH ARTICLE
- (9) R. Souviney: Seeing Through Fractions. *Learning Magazine*, 66–67, March, 1977. (2 pages) RESEARCH ARTICLE
- (10) R. Souviney: How Old Are You In Metrics, *Learning Magazine*, 56–57, April, 1977. (2 pages) RESEARCH ARTICLE
- (11) R. Souviney: Recreational Mathematics. *Learning Magazine*, 55–56, May, 1977. (2 pages) RESEARCH ARTICLE
- (12) R. Souviney: Quantifying Chance. *Arithmetic Teacher*, 24–26, December, 1977. (3 pages) RESEARCH ARTICLE
- (13) R. Souviney, T. Keyser and A. Sarver: *Mathmatters: Developing Computational Skills With Developmental Activity Sequences*. Glenview, IL: Scott, Foresman and Company, 1978. (303 pages) BOOK
- (14) R. Souviney: If It Moves, Graph It. *The Whole Classroom*, 31–34, September, 1978. (4 pages) RESEARCH ARTICLE
- (15) R. Souviney: Bottle Graphs, *Learning Magazine*, p.44, October, 1978. (1 page) RESEARCH ARTICLE
- (16) R. Souviney: Instant Graphs. *Learning Magazine*, 73–74, December, 1978. (2 pages) RESEARCH ARTICLE
- (17) R. Souviney and T. Keyser: *Measurement and the Child's Environment*. Glenview, IL: Scott, Foresman and Company, 1979. (146 pages) BOOK
- (18) R. Souviney and G. Fimbres: *Mathmatters: Spanish Supplement*. Glenview, Illinois: Scott, Foresman and Company, 1979. (63 pages) BOOK
- (19) R. Souviney: Maths Problems – Life Problems. *Teacher Magazine*, 49–51, February, 1979. (3 pages) RESEARCH ARTICLE
- (20) R. Souviney: The Spanish Mis–Connection. *Learning Today*, 51–54, Winter, 1979. (4 pages) RESEARCH ARTICLE
- (21) R. Souviney: The Classroom Weather Station. *Teacher Magazine*, 104–108, September, 1979. (5 pages) RESEARCH ARTICLE
- (22) R. Souviney: Number Crunching With Hand Held Calculators, *The Whole Classroom*, 41–44, December, 1979. (4 pages) RESEARCH ARTICLE
- (23) R. Souviney: Learning to Compute. *Indigenous Mathematics Project Working Paper Series*, No. 1, ED 229 258, January, 1980. (48 pages) WORKING PAPER
- (24) R. Souviney: There's a Microcomputer in Your Future. *Teacher Magazine*, 53–58. February, 1980. (6 pages) RESEARCH ARTICLE
- (25) R. Souviney: Strategies for Mathematical Problem Solving. *Indigenous Mathematics Project Working Paper Series*, No. 2, ED 229 259, March, 1980. (71 pages) WORKING PAPER
- (26) R. Souviney: Assessment Administration Guide. *Indigenous Mathematics Project Working Paper Series*, No. 3, ED 229 260, April, 1980. (109 pages) WORKING PAPER
- (27) R. Souviney: Cognitive Competence and Mathematical Development. *Journal for Research in Mathematics Education*, 11(3), 215–224. May, 1980. (10 pages) RESEARCH ARTICLE
- (28) P. Levin, M. Gearhart and R. Souviney: Field Guide for Studying WORKING

- Classroom Events and Their Cultural Context. *Indigenous Mathematics Project Working Paper Series*, No. 4, ED 229 261, June, 1980. (32 pages) PAPER
- (29) R. Souviney: Indigenous Mathematics Project. *Indigenous Mathematics Project Working Paper Series*. No. 5, ED 229 262, August, 1980. (43 pages) WORKING PAPER
- (30) R. Souviney: Indigenous Maths Project Trialling. *Papua New Guinea Education Gazette*, 174–176, August, 1980. (3 pages) RESEARCH ARTICLE
- (31) R. Souviney: Teachers' Notes and Student Worksheets – Grade 2. *Indigenous Mathematics Project. Working Paper Series*, No. 11, 1980. (88 pages) WORKING PAPER
- (32) R. Souviney: Teachers' Notes and Student Worksheets – Grade 4. *Indigenous Mathematics Project Working Paper Series*, No. 12, 1980. (35 pages) WORKING PAPER
- (33) R. Souviney: Teacher and Student Text – Grade 6. *Indigenous Mathematics Project Working Paper Series*, No. 13, 1980. (81 pages) WORKING PAPER
- (34) R. Souviney: *Solving Problems Kids Care About*. Glenview, IL: Scott, Foresman and Company, 1981. (136 pages) BOOK
- (35) R. Souviney: Community School Mathematics Teaching and Curriculum Innovation in Papua New Guinea. In *Research in Mathematics Education in Papua New Guinea*, P. Clarkson (Ed.) 167–195. Lae, Papua New Guinea. May, 1981. (28 pages) RESEARCH ARTICLE
- (36) R. Souviney and IMP Staff: Classroom Maths Games. *Indigenous Mathematics Project Working Paper Series*, No. 19, June, 1981. (43 pages) WORKING PAPER
- (37) R. Souviney: Teaching and Learning Mathematics in the Community Schools of Papua New Guinea. *Indigenous Mathematics Project Working Paper Series*, No. 20, ED 229 273, August, 1981. (161 pages) WORKING PAPER
- (38) R. Souviney: The Successful Learner. In *The Right To Learn*. B. Anderson (Ed.). Papua New Guinea: Department of Education, 68–77, 1981. (10 pages) RESEARCH ARTICLE
- (39) D. Lancy, R. Souviney and V. Kada: Intra-cultural Variation of Cognitive Development – Conservation Length Among the Imbonggu. *International Journal for Behavioral Development*, 4: 455–468, 1981. (14 pages) RESEARCH ARTICLE
- (40) R. Souviney: Mathematics Achievement, Language and Cognition: Classroom Practices in Papua New Guinea. *Educational Studies in Mathematics*, 14: 183–212, 1983. (30 pages) RESEARCH ARTICLE
- (41) R. Souviney: Constant Width Curves. *The Exponent*. Greater San Diego Mathematics Council, 22(2): 3, February, 1983. (1 page) RESEARCH ARTICLE
- (42) Levin and R. Souviney: Computers and Literacy: A Time for Tools. *The Quarterly Newsletter of the Laboratory of Comparative Human Cognition*, 5(2): 45–46, July, 1983. (2 pages) RESEARCH ARTICLE
- (43) M. Cohen, J. Levin, H. Mehan and R. Souviney: Exemplary Classroom Computer Use: A Time for Tools. Teacher Education and Computer Center, Department of Education, San Diego County, ED 311 868, 1983. (99 pages) TECHNICAL REPORT
- (44) M. Riel, R. Souviney, B. Rowe and J. Levin: *The Writer's Assistant* TECHNICAL

- Users Guide*. Cardiff, CA: InterLearn, Inc. 1984. (57 pages) MANUAL
- (45) R. Souviney, L. Martin and S. Black: Secondary Mathematics Education in San Diego and Imperial Counties. *Interactive Technology Laboratory*, University of California, San Diego, ED 309 025, 1984. (112 pages) RESEARCH REPORT
- (46) H. Mehan and R. Souviney (Eds.): The Write Help: A Handbook for Computers in Classrooms. *Interactive Technology Laboratory*, University of California, San Diego, ED 310381, 1984. (136 pages) RESEARCH REPORT
- (47) R. Souviney, B. Miller–Souviney, K. Whooley and B. Liner: Language Arts Activities. In *The Write Help*, H. Mehan and R. Souviney (Eds.). Interactive Technology Laboratory, University of California, San Diego, 56–101, ED 310381, 1984. (45 pages) RESEARCH ARTICLE
- (48) C. Bolster and R. Souviney: *Invitation to Mathematics: Problem Solving Sourcebook, Grade 6*. Glenview, IL: Scott, Foresman and Company, 1984. (36 pages) BOOK
- (49) R. Souviney: Working Story Problems. In *Studies in Mathematics Education*, R. Morris (Ed.). Paris: UNESCO, 3: 145–151, 1984. (7 pages) RESEARCH ARTICLE
- (50) R. Souviney: Review of *Capitol-izing on Computers in Education: Proceedings of the 1984 Association of Educational Data Systems Annual Convention*. D. Martin & R. Heller (Eds). *Arithmetic Teacher*, April, 1985. (1 page) REVIEW ARTICLE
- (51) R. Souviney, L. Martin and S. Black: Teacher Qualifications and Secondary Instruction: Retraining and Recruitment Needs in San Diego, California. University of California, San Diego, ED 325 403, 1985. (11 pages) RESEARCH ARTICLE
- (52) H. Mehan, B. Miller–Souviney, M. Riel, R. Souviney, K. Whooley and B. Liner: *The Write Help: A Handbook for Computers in Classrooms*. Glenview, IL: Scott, Foresman and Company, 1986. (136 pages) BOOK
- (53) R. Souviney: Problem Solving Tips for Teachers. *Arithmetic Teacher*. February, 1986. (2 pages) RESEARCH ARTICLE
- (54) Levin, S., B. Miller–Souviney & B. Rowe: *Interactive Writing Tools*. R. Souviney (Ed.), Chicago, IL: Encyclopaedia Britannica Educational Corporation, 1986. (40 pages) TECHNICAL MANUAL
- (55) R. Souviney and B. Miller–Souviney: Integrating Computers and the Writing Process. *Claremont Reading Conference 50th Yearbook: Reading: The Quest for Meaning*. Claremont Graduate School, Claremont, CA: : The Claremont Reading Conference Center for Developmental Studies, 1986. (18 pages) RESEARCH ARTICLE
- (56) M. Cohen, J. Levin and R. Souviney: Exemplary Educational Computer Use: Coping With Rapid Changes in Technology. *Interactive Technology Laboratory*, University of California, San Diego, ED 311 875, 1986. (20 pages) TECHNICAL REPORT
- (57) B. Miller–Souviney and R. Souviney: A Classroom Word Processing Guide. *Interactive Technology Laboratory*. University of California, San Diego, ED 307 628, 1987. (15 pages) RESEARCH ARTICLE

- (58) B. Miller–Souviney and R. Souviney: Recognition: The Engine That Drives the Writing Process. *Interactive Technology Laboratory*, University of California, San Diego, ED 307 627, 1987. (12 pages) RESEARCH ARTICLE
- (59) R. Souviney: Review of Mathematics Classrooms in Japan, Taiwan and the United States. *Investigations in Mathematics Education*, ERIC Clearinghouse for Science, Mathematics and Environmental Education, 1988. (6 pages) REVIEW ARTICLE
- (60) R. Souviney (Ed.): *The Write Tools Teachers Guide*. Looking Glass Learning Products, Park Ridge: IL, 1988. (30 pages) TECHNICAL MANUAL
- (61) R. Souviney: *Learning to Teach Mathematics*. Columbus, Ohio: Merrill Publishing Company, 1989. (607 pages) BOOK
- (62) M. Gamoran & R. Souviney: *Instructors' Resource Manual: Learning to Teach Mathematics*. Columbus, Ohio: Merrill Publishing Company, 1989. (190 pages) TECHNICAL MANUAL
- (63) R. Souviney: The Indigenous Mathematics Project: Mathematics Instruction in Papua New Guinea. In *Mathematics, Education and Society*, UNESCO, 1989. (4 pages) RESEARCH ARTICLE
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E: RESEARCH PRESENTATIONS

- (1) “Implications of the Use of Manipulative Materials.” Workshop presented at California Mathematics Council: Southern Section Conference, San Diego, CA, 1971.
- (2) “Pool Room Math.” Paper presented at National Council of Teachers of Mathematics, San Diego, CA, 1972.
- (3) “More Pool Room Math.” Paper presented at California Mathematics Council: Southern Section Conference, Anaheim, CA, 1973.
- (4) “Manipulative Models for Functions.” Workshop presented at the National Council for Teachers of Mathematics Annual Meeting, Houston, TX, 1973.
- (5) “Developmentally Consistent Instruction.” Paper presented with Hugh Mehan at the California Mathematics Council State Conference, San Diego, CA, 1974.
- (6) “Concrete Experiences for Older Children.” Paper presented at the National Council of Teachers of Mathematics, Honolulu, HI, 1975.
- (7) “Measurement With Metrics.” Paper presented at the National Council of Teachers of Mathematics Annual Meeting, Atlanta, GA, 1976.
- (8) “Developing Computational Skills with Developmental Activity Sequences.” Paper presented at the National Council of Teachers of Mathematics, Phoenix, AZ, 1977.

- (9) "Solving Problems Kids Care About." Paper presented at the Greater San Diego Mathematics Council Conference, San Diego, CA, 1979.
- (10) "Indigenous Mathematics Project." Paper presented at the Fourth International Congress on Mathematical Education, Berkeley, CA, 1980.
- (11) "Community School Mathematics Teaching and Curriculum Innovation in Papua New Guinea." Paper presented at Mathematics Education Center Conference in Lae, Papua New Guinea, 1981.
- (12) "Helping Children Solve Problems." Paper presented at the Greater San Diego Mathematics Council Annual Conference, San Diego CA, 1982.
- (13) "School Maths in Papua New Guinea." Paper presented at the American Educational Research Association Meeting, New York, NY, 1982.
- (14) "Computers and Mathematics Learning: Instructional Software and Cognitive Principles." Discussant for symposium, American Educational Research Association Meeting, Montreal, Canada, 1983.
- (15) "Computer Supported Writing Environment." Paper presented at the Third Annual Spring Conference of Computer-Using Educators, San Diego, CA, 1983.
- (16) "California Mathematics Project Report: A Need for More Teachers." Paper presented at the NCTM Western Regional Conference, San Diego, CA, 1985.
- (17) "Computer-Supported Problem Solving and Writing Environments." Paper presented (with B. Miller-Souviney) at the NCTM Western Regional Conference, San Diego, CA, 1985.
- (18) "Microcomputer-Supported Problem-Solving Environments." Paper presented at the NCTM National Conference, San Antonio, TX, 1985.
- (19) "Solving Problems Kids Care About: Non-Routine Math Problems." Paper presented at 24th Northwest Mathematics Conference, Richmond, British Columbia, Canada, 1985.
- (20) "Software for Your Classroom Computer." Paper presented (with B. Miller-Souviney) at the 53rd Claremont Reading Conference, Claremont Graduate School, Claremont, CA, March, 1986.
- (21) "Writing With Computers: Research Into the Broader Educational Contexts." Paper presented with M. Cohen, J. Levin, B. Miller-Souviney, N. Miyake and M. Riel at the Conference on Computers and Writing, University of Pittsburgh. May, 1986.
- (22) "Interactive Writing Tools." Paper and demonstration presented at the National Educational Computing Conference, San Diego, CA. June, 1986.
- (23) "Teaching Specific Forms of Writing with Computer Writing Tools." Paper and demonstration presented with Margaret Riel at the Spring CUE Conference, Orange County, CA. May 1987.
- (24) "Software Tools for Mathematics Instruction." Paper presented at the Greater San Diego Mathematics Council Conference, San Diego, CA. February, 1987.
- (25) "Integrating Computers Into Mathematics Lessons." Paper presented at the Greater San Diego Mathematics Council Conference, San Diego, CA. February, 1988.
- (26) "Implementing AB 1681: Technology in Teacher Education." Panel presentation at the Fall CUE Conference, San Jose, CA, 1988.
- (27) "The Indigenous Mathematics Project: Mathematics Instruction in Papua New Guinea." Paper presented at the Sixth International Congress on Mathematics Education, Budapest, Hungary. August 1988.
- (28) "UCSD Mathematics Teacher Institute." Presentation at the Greater San Diego Mathematics Conference, February 1990.
- (29) "Situational Lessons in Mathematics." Presentation (with Daryl Stermon) at the Greater San Diego Mathematics Conference, February 1991.

- (30) "Teacher Preparation." Invited presentation at the Linguistic Minority Research Project Conference, Teacher Preparation and Enhancement in Teaching Language Minority Students: Practice, Policy, and Research, San Diego, CA, 1992.
- (31) "Teaching Mathematics." Discussant for Walter Secada's presentation on mathematics education of linguistic minority youth at the Linguistic Minority Research Project Conference, Teacher Preparation and Enhancement in Teaching Language Minority Students: Practice, Policy, and Research, San Diego, CA, 1992.
- (32) "Computer Network Resources for Science Teachers." Presentation to principals, teachers and university administrators on Internet resources for education, Auckland University, Auckland, New Zealand, 1993.
- (33) "Situated Lessons in Mathematics: Maps and Navigation." Presentation at the California Mathematics Council: Southern Section Conference, Palm Springs, CA, 1994.
- (34) "Building a Network Community Among Science Teachers and Interns." Presentation at the Third International Symposium on Telecommunications in Education, Albuquerque, NM, 1994.
- (35) "Technology and Teacher Education" and "What are Teachers Learning? Differing Views from the National School Network Testbed." Presentations at the Fourth International Symposium on Telecommunications in Education, Fort Lauderdale, FL, 1995.
- (36) Program Committee and Session Leader for the "Visualizing Earth from Space" session with Eric Frost and Holly Dodson for "Awkward Conversations: Teaching Inquiry and Inquiring into Teaching", California Council for the Education of Teachers Fall Conference, 1996.
- (37) "Community Relations" session with Cecil Lytle at the University of California, San Diego Management Retreat, Change Leadership: The University of the Future, December 1996.
- (38) "California Alliance for Minority Participation" session at the National Science Foundation AMT-Teacher Education Conference, Puerto Rico, 13 March 1997
- (39) "All-University Conference on Teaching and Learning Technologies." Invitational meeting at the Anderson Graduate School of Management, UCLA, 25-26 March 1997.
- (40) "Bilingual Deaf Education Program at UCSD." Presentation with Tom Humphries to the Social Science Dean Advisory Counsel, UCSD Faculty Club, 16 February 1998.
- (41) "Leveraging Resources to Support Change." Presentation with Jim Richmond and Marie Schrup at the California Commission on Teacher Credentialing Title II Conference, Transitioning to the New Standards, New Roles, New Assessments, 10 & 17 August 2001.
- (42) "Does Teacher Education Work?", Social Science Supper Club talk with Guershon Harel at the UCSD Faculty Club, 13 March 2002.