

JAMES C. SHUMAN, Ed. D.
Associate Professor and Chair, Department of Education
St. Lawrence University, Canton, New York 13617

ACADEMIC PREPARATION

- Ed.D. West Virginia University, Curriculum and Instruction, 1983
- M.S. West Virginia University, Recreation and Parks (Environmental Education), 1978
- B.A. Carleton College, Astronomy, 1967

UNDERGRADUATE COURSES TAUGHT AT ST. LAWRENCE, 1989-present

- EDUC 203, Contemporary Issues in Education – 8 semesters
- EDUC 301, Principles of Teaching – 34 semesters
- EDUC 305, Educational Psychology – 8 semesters
- EDUC 348, Education In, About, and For the Environment – 1 semester
- EDUC 405, Seminar, Dynamics of School Teaching – 34 semesters
- EDUC 406, Supervised Student Teaching – 12 semesters
- EDUC 479-80, EDUC 489-90, Independent Studies in Education – 38 semesters

GRADUATE COURSES TAUGHT AT ST. LAWRENCE, 1989-present

- EDAD 599, Curriculum Development – 11 summers
- EDUC 566, Constructivist Design in Education – 9 summers
- EDUC 573, Teaching and Learning in Public Schools – 12 semesters
- EDUC 595, Internship in Education – 8 semesters
- EDUC 500, Research Project in Education (Culminating Project) – 15 semesters and 9 summers

PRIOR EXPERIENCE IN EDUCATION

- 1988-1989 Visiting Assistant Professor of Education/Director of Teacher Education
Middlebury College, Middlebury, VT
- 1987-1988 High School Science Teacher
Champlain Valley Union School District, Hineburg, VT
- 1986-1987 Assistant Professor of Education
California State University/San Bernardino, CA
- 1986, 1987 Director, National Youth Science Camp (summers)
Bartow, WV
- 1983-1988 Core Faculty in Science, Mathematics, and Computers
Goddard College, Plainfield, VT
- 1982-1983 Assistant Professor of Recreation
Northeastern University, Boston, MA
- 1979-1982 Visiting Assistant Professor/Co-Director of the Physical Science Program
West Virginia University, Morgantown, WV
- 1978-1979 Museum Educator/Director of Education
The Morton Arboretum, Lisle, IL
- 1977, 1978 Assistant Director, National Youth Science Camp (summers)
Bartow, WV
- 1976-1978 Adjunct Instructor of Science Education
West Virginia University, Morgantown, WV
- 1972-1975 Museum Educator/Director of Education
Marin Museum of Science, San Rafael, CA
- 1969-1971 High School Math and Science Teacher
Sir Francis Drake High School, San Anselmo, CA
- 1968-1969 High School Math Teacher
Edmondson High School, Baltimore, MD
- 1968-1969 Adjunct Instructor of Astronomy
University of Maryland/Baltimore Campus, Baltimore, MD

ADVISING

St. Lawrence University 1989 – present

Annual advising load of approx. 40-50 masters level students in education.

Annual supervision of approximately 10 M.Ed. Research Projects

Annual supervision of approximately 4 graduate-level research projects in school administration

Served as external reviewer for two Ph. D. committees (Univ. of Ottawa, Antioch New England)

Goddard College 1983-1989

Annual advising load of approx. 12 masters level students in physical sciences, technology, environmental studies, and education

Annual supervision of approximately 5 Masters Theses

Served as external reviewer for one Ph. D. committee (University of Vermont)

SCHOLARLY ACTIVITY IN EDUCATION

Refereed Publications

Jones, J., and Jones, K., (with editorial assistance from J. Shuman, St. Lawrence University), "Applying the ENGAGING Framework in Constructivist Classrooms: Interviews with Master Educators - Part II," Journal of Practical Application of Constructivist Theory in Education, Learner Centered Resource Collaborative, Spring 2009.

Shuman, James C., and Flynn, Patrick, "The Constructivist Design Model for Professional Development," Journal of Practical Application of Constructivist Theory in Education, Learner Centered Resource Collaborative, Fall, 2007

Paul J. Vermette, and James C. Shuman, "Applying Constructivist Theory to 'Redefine' Teaching and Teacher Education: Two Universities' Perspectives," Journal of Practical Application of Constructivist Theory in Education, Learner Centered Resource Collaborative, Winter, 2006

Shuman, James C., "The Broad Picture in New York State: Issues for the Professionalization of Teaching in America," Journal of NYACTE, New York Association of Colleges of Teacher Education, Spring, 1999

Shuman, James C., "A University Supervisor's Response," (Special Section on Cooperative Learning), Social Science Record, New York State Council for Social Studies, Fall, 1994

Arno, Kevin S., Howard W. Smith, and James C. Shuman, "The New Compact for Learning: Change through Collaboration," The Council Journal, New York State Council of School Superintendents, April, 1994

Shuman, James C., and Betsy Atkins Hutchison, "Summer, Science, and Seniors," The Science Teacher, March 1989

Shuman, James C., "Mt. St. Helens – Road to Recovery," film review, Journal of College Science Teaching, June, 1987

Goldberg, Fred, and James Shuman, "Using Guided Design to Help Student Learn about the Energy Crisis," Journal of College Science Teaching, November, 1984

Goldberg, Fred, and James Shuman, "Understanding Exponential Growth: As Simple as a Drop in the Bucket," The Physics Teacher, October, 1984

Refereed Publications, cont.

Goldberg, Fred, and James Shuman, "Using Guided Design in a Physical Science Course," Journal of College Science Teaching, March 1984

Invited Publications

Shuman, James C., "Educational Leadership in Northern New York: An Environmental Scan of Current Issues and the Role of St. Lawrence University's Graduate Program in Educational Leadership," whitepaper used by St. Lawrence University to further educational leadership in the region, Canton, NY, March, 2004

Shuman, James C., "Public Education in Northern New York: An Environmental Scan of Current Issues and the Role of Higher Education," whitepaper used by St. Lawrence University to design the Ellen C. Burt '42 Endowment for North Country Education, Canton, NY, January, 2001

Shuman, James C., "Regents at Cross-Purposes," Op-Ed essay, Watertown Times, April 19, 1999

Shuman, James C., "Independent Colleges Face New Challenges in Teacher Education," TECB News, Teacher Education Conference Board, Albany, NY, May, 1996

Shuman, James C., "Focus on Today's Students: Some Thoughts about Lecturing," Teaching and Learning, Associated Colleges of the St. Lawrence Valley, Sept, 1991

Shuman, James C., Cuong Do, Bill Hilton, Jr., Joseph Hutchison, Alyson Jones, and Ronald Pearson, National Youth Science Foundation's Current and Proposed Programs for Outstanding Students and Teachers, National Youth Science Foundation, Charleston, WV, May, 1991

Shuman, James C., Cuong Do, Joseph Hutchison, and Ronald Pearson, National Youth Science Foundation's Proposed Expansion Programs and Its Contributions to Science Education, National Youth Science Foundation, Charleston, WV, March, 1991

Shuman, James C., Validation of the National Youth Science Foundation's Expansion Program Concepts: Summary of Expert Reviewers' Responses, National Youth Science Foundation, Charleston, WV, January, 1991

Shuman, James C., "National Youth Science Camp," in "Taking Note, Andrew Trotter, ed., The Science Teacher, March, 1987

Editing

Co-Editor, Journal for the Practical Application of Constructivist Theory in Education (JPACTe), e-journal available through http://learnercentered.org/JPact/Home_page/index.html, Learner Centered Resource Collaborative, St. Lawrence University, Canton, NY (First issue published March 2006; two issues published annually since then.)

Editor and Contributing Author, NYSATE Forum, quarterly publication of the New York State Association of Teacher Educators, July, 1996 – June, 1998 (8 volumes)

Editorial Board, Teaching and Learning, Associated Colleges of the St. Lawrence Valley, 1991-1994

Editing, cont.

Co-Editor with Bill Hilton, Jr., "Reflections on Time and Learning: The Hearing of the U.S. Educational Commission on Time and Learning with the 1993 Delegates of the National Youth Science Camp, National Youth Science Foundation, September, 1993. Cited in It's about Time: Report of the US Educational Commission on Time and Learning, US Government Printing Office, Washington, DC, April, 1994

National Presentations

"Constructivist Teacher Education: Collaboration, Reflection and the Development of Powerful Dispositions and Understanding in New Teachers," Pre-Conference Professional Clinic with Paul Vermette, Beth Konkoski-Bates, Chandra Foote, and Laurie Harper, Association of Teacher Educators National Conference, Chicago, IL, Feb. 12, 2005

"Defining Quality and Excellence in Teacher Preparation," panelist, Association of Teacher Educators (ATE) national meeting, Dallas, TX, February, 2004

"TEAC's Emerging Role in Accreditation of Teacher Education," panelist, Teacher Education Accreditation Council Annual Meeting, Washington, DC, February, 2002

"New Program Accreditation Options in TEAC," discussant w/ Frank Murray and Sue Fuhrman (TEAC), Association of American Colleges of Teacher Education National Meeting, Dallas, TX, February, 2001

"Using National Teacher Educator Standards for a State-level Awards Program in New York," co-presenter with Ralph Ware, Siena College, Association of Teacher Educators National Conference, Chicago, IL, February, 1999

"Reflections on the National Congress on Teacher Education," panelist, Leadership Clinic, Council of Unit Presidents, Association of Teacher Educators Annual Conference, St. Louis, MO, Feb, 1996

"The National Youth Science Camp's Expansion Initiative for the 21st Century," co-presenter with Bill Hilton, Jr., National Science Teachers Association National Convention, Los Angeles, CA, April, 1994

"Reflections on Learning about Science," co-presenter with Bill Hilton, Jr., National Youth Science Foundation, National Youth Science Camp, Bartow, WV, July, 1993

"Reflections on Science Education," moderator and discussant, US Educational Commission on Time and Learning, Washington, DC, July, 1993

"Synthesis of New Developments in Science Education," presenter, culminating session of the National Youth Science Camp, Charleston, WV, July, 1987

"A View Toward the Future," presenter, US Senate Honors Banquet for the National Youth Science Camp, Washington, DC, July, 1987

"Environmental Education for Secondary Curricula," presenter, Inland Empire Environmental Empire Science Training, Riverside, CA, March, 1987

"The Scientist as Interpreter," presenter, culminating session of the National Youth Science Camp, Charleston, WV, July, 1986

National Presentations, continued

“Perspectives on Science Education,” presenter, US Senate Honors Banquet for the National Youth Science Camp, July, 1986

“Using the Sciences to Illuminate Social and Environmental Issues,” presenter, National Science Teachers Association Annual Meeting, Boston, MA, April, 1984

“Required Science and Technology for the Fully Educated Person,” co-presenter with Gershon Vincow, Syracuse University, American Association of Colleges Annual Meeting, Washington, DC, January 1983

State-level Presentations

“Accreditation Issues – NCATE, TEAC, and RATE,” round-table panelist with Mark LaCelle Peterson, Houghton College (TEAC President-elect), New York State Association of Teacher Educators/New York Association of Colleges of Teacher Education Annual Joint Meeting, Saratoga Springs, NY, April 24, 2009.

“Applying Constructivist Practices in Professional Development and Teacher Education: The Work of the Learner Centered Resource Collaborative,” with Wannie Wang, St. Lawrence University, Cathy LeoGrande, LeMoyne College, and Paul Vermette, Niagara University, New York State Association of Teacher Educators/New York Association of Colleges of Teacher Education Annual Joint Meeting, Albany, NY, October 23, 2008.

“The R. Neal Appleby Award for Outstanding Teacher Educators,” introductory historical remarks and 2008 presentation to Annette Digby, president-elect of the national Association of Teacher Educators, NYSATE-NYACTE Annual Joint Meeting, Saratoga Springs, NY, April 17, 2008

"The Professional Development Resource Collaborative" Constructivist Design Conference, Niagara University, Niagara Falls, NY, July 23, 2007

“Armstrong’s *The Best Schools*: Implications for Teacher Education,” with Paul Vermette, Niagara University, Barbara Inanarelli, Niagara University, and Gary DeBolt, Roberts Wesleyan University, New York State Association of Teacher Educators/New York Association of Colleges of Teacher Education Annual Joint Meeting, Saratoga Springs, NY, April 26, 2007

“Reflections on NYSATE’s First Fifty Years,” panel discussion former NYSATE Presidents, New York State Association of Teacher Educators/New York Association of Colleges of Teacher Education Annual Joint Meeting, Saratoga Springs, NY, April 26, 2007

“Integrating LiveText into Outcomes Assessment for Accreditation,” New York State LiveText Users Group Meeting, Saratoga Springs, NY, April 25, 2007

“NYSED – Trends, Issues, and Policies – A Look into 2004-2005,” discussant and facilitator with NYSED’s Robert Bentley and Joseph Porter, NYSATE/NYACTE Annual Fall Conference, Albany, NY, Oct. 29, 2004

“A Call for Leadership in the Teacher Education Profession,” acceptance speech for the Charles C. Mackey, Jr. Award for Service Leadership in Education, New York Association of Colleges of Teacher Education, Fall Conference, Albany, NY, Oct. 30, 2003

State Level Presentations, continued

"Accreditation: NCATE, TEAC, and the Regents Option," breakout session leader, New York State Association of Teacher Educators/New York Association of Colleges of Teacher Education Annual Joint Meeting, Albany, NY, April, 2002

"Meeting Pre-Service Mandates Through Mutual Needs: Creating a Regional Professional Development Collaborative," co-presenter with Esther Oey, SLU, and Charles Mlynarczyk, SUNY Potsdam, New York State Association of Teacher Educators/New York Association of Colleges of Teacher Education Annual Joint Meeting, Albany, NY, April, 2001

"Accreditation: NCATE, TEAC, and the Regents Option," co-presenter with Geoff Coward (Wagner College) and Gerald Mager (Syracuse University), New York State Association of Teacher Educators/New York Association of Colleges of Teacher Education Annual Joint Meeting, Albany, NY, April, 2001

"The Institute for Learning Centered Education," with Carol Amberg (Gouverneur CSD), Beth Konkoski (Lisbon CSD), Don Mesibov (ILCE), Paul Vermette (Niagara University), and Jim Waterson (SLU), New York State Association of Teacher Educators/New York Association of Colleges of Teacher Education Annual Joint Meeting, Albany, NY, April, 2001

"NY Regional Forum on Teacher Preparation Standards," Forum Organizer and Co-Presenter with Dr. Linda Biemer, SUNY Binghamton, Syracuse, NY, January, 1999

"A Conversation with the Commissioner," moderator and discussant, New York State Association of Teacher Educators/New York Association of Colleges of Teacher Education Annual Joint Meeting, Albany, NY, April, 1999

"What are the REAL Challenges We All Face in Teacher Education," discussant, New York State Association of Teacher Educators/New York Association of Colleges of Teacher Education Annual Joint Policy Conference, Albany, NY, Oct., 1999

"The Broad Picture in New York State: Identifying the Challenges in Light of the Adoption of the Report on the Regents Task Force on Teaching," co-presenter, New York State Association of

Teacher Educators/New York Association of Colleges of Teacher Education Annual Joint Policy Conference, Albany, NY, Sept., 1998

"A Conversation with the Commissioner," moderator and discussant, New York State Association of Teacher Educators/New York Association of Colleges of Teacher Education Annual Joint Meeting, April, 1998

"Emerging Directions for the Education of Teachers in New York State," moderator and discussant with Commissioner Richard Mills, Regent Saul Cohen, and others, New York State Association of Teacher Educators Fall Conference, Albany, NY, September, 1995

"Working with Student Teachers in a Restructured Mathematics Classroom: Joys and Challenges for Teacher Educators," co-presenter with Gerald Peters, Gouverneur High School, New York State Association of Teacher Educators Annual Meeting, Syracuse, New York, April, 1995

"Meeting Pre-service Mandates through Mutual Needs: Creating a Regional Professional Development Collaborative in St. Lawrence County," co-presenter with Esther Oey, St. Lawrence University and Charles Mlynarczyk, SUNY Potsdam, New York State Association of Teacher Educators Annual Meeting, Albany, NY, April, 2001

State Level Presentations, continued

“Standards and Assessments: Present Shock, Future Promise?” discussant, New York State Association of Teacher Educators Fall Conference, Albany, NY, Sept., 1994

“One Piece of the Collaborative Puzzle: How Practicing Teachers Can Teach Our Methods Courses,” co-presenter with Susan Burwell, Sandra Hildreth, Peter Ladd, and Joy Navan, New York State Association of Teacher Educators Annual Meeting, Syracuse, NY, April, 1994

“The Future of Teacher Education in New York State,” keynote panelist, New York State Association of Teacher Educators Annual Meeting, Syracuse, NY, April, 1993

“North Country Odyssey, 1991: A Case Study of Liberal Arts Based Program Modification at St. Lawrence University,” presenter, New York State Association of Teacher Educators Annual Meeting, Syracuse, NY, April, 1991

“New Directions for Science Curriculum Supervision,” keynote presenter, New York State Science Supervisors Association Annual Meeting, Canton, NY, August, 1990

“Teacher Certification Regulations and Vermont’s College Teacher Education Programs,” discussant, VT Commissioner’s Roundtable on Teacher Education for College Presidents and Deans, Waterbury, VT, January, 1989

“The Role of Honors Programs as Incentives in Secondary Science Education,” presenter, NY Commissioner’s Advisory Committee on Equity and Excellence in Science and Mathematics Education, Albany, NY, Sept., 1986

Regional and Local Presentations

“The Learning Centered Resource Collaborative,” (with Julie Ludwig, Jefferson-Lewis BOCES), Constructivist Design Conference, St. Lawrence University, Canton, NY, July 24, 2009

Welcome and Opening Remarks, Inaugural Ellen C. Burt ’42 Symposium on Education, Environment, and Economic Vitality, St. Lawrence University, Canton, NY, April 6, 2009

“The North Country Symposium – Opportunities for Local Economic Development,” with Ben Dixon, Clarkson University School of Business, Oct. 20, 2008

“St. Lawrence University’s Outstanding Student Teacher and Cooperating Teacher,” Award ceremony, Phi Delta Kappa St. Lawrence Valley Chapter, Canton, NY, May 8, 2008

Welcome and Opening Remarks, Inaugural Ellen C. Burt ’42 Symposium on Education, Environment, and Economic Vitality, St. Lawrence University, Canton, NY, April 24, 2008

“St. Lawrence University’s Outstanding Student Teacher and Cooperating Teacher,” Award ceremony, Phi Delta Kappa St. Lawrence Valley Chapter, Canton, NY, May 6, 2007

Welcome and Opening Remarks, Inaugural Ellen C. Burt ’42 Symposium on Education, Environment, and Economic Vitality, St. Lawrence University, Canton, NY, April 9, 2007

Welcome and Opening Remarks, Constructivist Design Conference, St. Lawrence University, Canton, NY, July 17, 2006

Regional and Local Presentations, continued

“Opportunities for Locally-based Faculty/Student Research,” with Benjamin Dixon, May Faculty College workshop, St. Lawrence University, Canton, NY, May 26, 2007

Welcome and Opening Remarks, Inaugural Ellen C. Burt '42 Symposium on Education, Environment, and Economic Vitality, St. Lawrence University, Canton, NY, April 20, 2006

Welcome and Opening Remarks, Inaugural TAUNY Summer Institute on Local Resources for Curriculum, St. Lawrence University, July 9, 2005

Remarks: “Supporting Professional Standards for Teaching,” Award ceremony, Phi Delta Kappa St. Lawrence Valley Chapter, Potsdam, NY, May 4, 2005

Welcome and Opening Remarks, Inaugural Ellen C. Burt '42 Symposium on Education, Environment, and Economic Vitality, St. Lawrence University, Canton, NY April 7, 2005

“St. Lawrence University’s Outstanding Student Teacher and Cooperating Teacher,” Award ceremony, Phi Delta Kappa St. Lawrence Valley Chapter, Potsdam, NY, May 4, 2004

Welcome and Opening Remarks, Inaugural East Asia Conference, Northern New York K-16 Consortium for Asian Studies, St. Lawrence University, June 30, 2004

Welcome and Opening Remarks, Inaugural Ellen C. Burt '42 Symposium on Education, Environment, and Economic Vitality, St. Lawrence University, Canton, NY March 25, 2004

"So, what *is* a Professional Development Resource Collaborative, Anyway?" Constructivist Design Conference, St. Lawrence University, Canton, NY, July 27, 2004
(Session repeated July 26 & July 29, 2005 at the 2005 Conference)

“A Call for Leadership in the Teacher Education Profession,” acceptance speech for the Charles C. Mackey, Jr. Award for Service Leadership in Education, New York Association of Colleges of Teacher Education, Fall Conference, Albany, NY, Oct. 30, 2003

Welcome and Opening Remarks, Inaugural Ellen C. Burt '42 Symposium on Education, Environment, and Economic Vitality, St. Lawrence University, Canton, NY May 6, 2003

“What gaps must be filled in the ways that teachers serve today’s students, especially in New York’s North Country, and how should teacher preparation and/or teacher professional development be modified to close the gaps?,” co-presenter with Annemarie FitzRandolph, Scott Giles, and John Burt, Alumni Reunion 2002 Forum on North Country Education, St. Lawrence University, Canton, NY, June, 2002 (Session repeated with Annemarie FitzRandolph, Phi Delta Kappa meeting, Canton, NY, September, 2002)

"Using 'Backward Planning' in Curriculum Development," Constructivist Design Conference, St. Lawrence University, Canton, NY, July, 2002

“Student Teaching Videos: Using Technology for Performance-based Evaluation in Education,” SLU Technology for Teaching 'Town Meeting,' presenter, St. Lawrence University, Canton, NY, January, 2002.

Regional and Local Presentations, continued

Regional and Local Presentations, continued

"Progress Report on the Regional Professional Development Collaborative," co-presenter with Linda Seramur (SUNY Potsdam), St. Lawrence-Lewis BOCES Chief Administrators' Summer Conference, Minnowbrook Conference Center, Blue Mountain Lake, NY, August, 2001

"The Educational Leadership Academy of Northern New York," co-presenter with Dine Kennedy, ELANNY Director, Phi Delta Kappa St. Lawrence international meeting, Canton, NY, September, 2001.

"Using 'Backward Planning' in Curriculum Development," presenter, Constructivist Design Conference, St. Lawrence University, Canton, NY, August, 2001

"Developing Rubrics for Evaluation of Performance," Constructivist Design Conference, St. Lawrence University, Canton, NY, August, 2001

"Overview of Teacher Preparation in New York State -- from Pre-service through Certification and Beyond," St. Lawrence-Lewis BOCES Chief Administrators' Summer Conference, Minnowbrook Conference Center, Blue Mountain Lake, NY, August, 2000

"Issues in Administrative Certification," St. Lawrence-Lewis BOCES Chief Administrators' Summer Conference, Minnowbrook Conference Center, Blue Mountain Lake, NY, August, 2000

"Learning Styles," discussant of presentation by Robert Sternberg at Dean's Lecture Series, St. Lawrence University, Canton, NY, September, 1999

"Peer Evaluation Summary," presenter, Canton Central School District Inservice Workshop, May, 1996

"Peer Evaluation," presenter, Canton Central School District Inservice Workshop, November, 1995

"Ideas for Implementing the New York State Framework for English Language Arts, co-presenter, ELA Framework Conference, Canton, NY, November, 1995

"Ethics in Science and Engineering," discussant, North Country School Study Council Annual Meeting, Potsdam, NY, March, 1994

"The Role of Teacher Education in School Reform," co-presenter with Kevin Arno, SUNY Potsdam, Business, Education, and Communities Regional Conference on School Reform, Potsdam, NY, April, 1993

"Middle School Concepts, 1991," co-presenter with Judy Liscum and Joan Staples, Canton Central School District Inservice Day, Canton, NY, October, 1991

"Library Resources for Learning about Teaching and Curriculum Development," co-presenter with Joan Larson and Margaret Guccione, Canton, NY, July, 1991

"Professionalization in Teacher Education: A Sociological Perspective," Vermont Council of Teacher Educators, June, 1989, Middlebury, VT

Grants and Grant Applications

Collaborator and Co-Director with Victoria Rue, “Literacy and Theater Project,” Verizon Corporation, Syracuse, NY. \$15,000 to develop theater projects with college and high school students on the topic of literacy, AY 2002-2003. [Funded, July, 2002]

Co-Principal Investigator with Bill Hilton, Jr., “Operation Rubythroat,” NSF-GLOBE (Global Learning and Observations to Benefit the Environment) Program, Washington, DC. (Supports organizations to direct research projects involving local schools throughout the world to gather and report environmental data for a searchable database on environmental quality). \$180,000 to implement a 38-state, 10-nation educational partnership program to engage school-age students and their teachers in research on rubythroated hummingbird migration and phenology throughout North America, 2002-2006. [Funded, March, 2002]

Note: As President of the Board of Trustees for the Hilton Pond Center for Piedmont Natural History in York, SC, I am named as NSF Co-PI with Center Director Bill Hilton, Jr., who manages all aspects of the center’s research and education agendas. My role is to assist in connecting Operation Rubythroat with schools in New York State. To date, over 10 different districts cooperate with the project. The Center and Operation Rubythroat are also funded by the National Fish and Wildlife Foundation, the Christensen Fund, Agilent Technologies, the Phillips 66 Foundation, the Foundation for the Carolinas, and many individuals and local businesses.

Co-Principal Investigator with Esther Oey, “Teaching Scholar Partnership Program,” Independent Colleges Office/NSF, Washington, DC. \$30,000 to coordinate a partnership program between college science/math majors, their faculty mentors, and public school teachers, 2001-2003. [Funded, May, 2001]

Co-Principal Investigator with Bill Hilton, Jr., “The National Science Teaching Institute: An Innovative Enhancement Program for Cross-Disciplinary Teams,” National Science Foundation, Washington, DC. \$4,900,000 from 1995-2000. [Not Funded, April, 1995]

Note: My lifelong colleague and collaborator, Bill Hilton, Jr., served as Director of the Office of Program Research at the National Youth Science Foundation in Charleston, WV from 1987 to 1994, before he established the Hilton Pond Center for Piedmont Natural History in York, SC. I have known and worked with Bill since we first met at the National Youth Science Camp in 1964.

Principal Investigator, “Planning Grant for a National Science Teaching Institute,” National Science Foundation, Washington, DC. \$39,000 for a planning grant to re-develop the proposal for the institute. [Funded, December, 1993]

Co-Principal Investigator with Ronald Pearson, National Youth Science Foundation, “NYSF Office of Program Research,” US Department of Agriculture, Washington, DC. \$36,000 to support on-going research on US science education incentive programs. [Funded, September, 1991]

Co-Principal Investigator with Ronald Pearson, National Youth Science Foundation, “Preliminary Proposal for an innovative National Science Teaching Institute administered by the National Youth Science Foundation,” National Science Foundation, Washington, DC. \$4,100,000 over 1992-1997. [Not Funded, September, 1991, but a planning grant was encouraged.]

Grants and Grant Applications, continued

Principal Investigator, “An Institute for Public School District Science Supervisors in New York at St. Lawrence University,” Title II Eisenhower Fund for Improvement of Mathematics and Science Education, New York State Education Department. \$66,700 for a four-day institute at St. Lawrence University in August, 1990. [Not Funded]

Co-Principal Investigator with Ronald Pearson, National Youth Science Foundation, “A Youth Science Education Initiative Expanding on the West Virginia National Youth Science Camp Model,” US Department of Agriculture/US Office of Education (Federal Appropriation). \$150,000 for a two-year feasibility study. [Funded, January, 1990]

Consulting

Curriculum and Accreditation Consultant, St. Lawrence University, 1998-present

Produced St. Lawrence University’s application for national accreditation by the Teacher Education Accreditation Council (TEAC). This work involves the collaborative development of the University’s philosophy and claims regarding its teacher education programs on the undergraduate and graduate levels, development and validation of an internal auditing system to measure outcomes, preparation of a scholarly “Inquiry Brief” documenting outcomes, facilitating an “institutional audit” (site visit) by a TEAC team in 2006, and representing the University at a TEAC Accreditation Committee meeting in 2007. St. Lawrence University received full national accreditation in teacher education by TEAC on June 29, 2007.

Produced the University’s successful application for re-registration of its teacher education programs by the New York State Board of Regents in April, 2001. Development of the 83-page application required over 2 years of collaborative work with the Dean’s Office, the Registrar’s Office, academic departments throughout the University, and public school personnel throughout St. Lawrence County. The application was approved in September, 2001.

Helped to produce the University’s application for registration by the New York State Board of Regents for two new Certificate of Advanced Study (CAS) programs in Educational Leadership. Development of the 66-page application required over 2 years of collaborative work with the Dean’s Office, the Registrar’s Office, academic departments throughout the University, and public school personnel throughout St. Lawrence County.

Produced “Routes to Accreditation,” a whitepaper for St. Lawrence University in September, 1997. This provided an analysis and set of recommendations to SLU’s administration and trustees regarding the new Regents Standards in Teacher Education and how to select a national accreditor in teacher education.

Member, External Evaluation Team, LeMoyne College Teacher Education Programs, 1995

Peer Evaluation Consultant, Canton Central School District, 1995-1996

Planned, implemented, evaluated, and disseminated research results on a new peer evaluation system for Canton Central School District personnel with Dr. Howard Smith, CCSD Superintendent.

Consulting, cont.

Professional Development Consultant, Canton Central School District, 1991-1992

Planned, implemented, evaluated, and disseminated research results on professional development and its relation to curriculum development with Kevin Arno, SUNY Potsdam and Howard Smith, CCSD Superintendent.

Serving on Morristown Central School District's Professional Development Team, advising the district regarding professional development planning for teachers, administrators, teachers' aides, and staff members as a part of the district's Professional Development Plan process.

Planning Consultant, National Youth Science Foundation, Charleston, WV, 1988-1994

Planned, implemented, published, and disseminated research for long-range planning for the foundation that sponsors the National Youth Science Camp and its associated international, national, and state-level programs in science education. Co-Principal Investigator for two separate research and planning grants for the foundation from 1990-1994.

Director, National Youth Science Camp, Bartow, WV, 1986 and 1987

Associate Director, National Youth Science Camp, Bartow, WV, 1977 and 1978

Administered program development, personnel, finances, and long-range planning for an annual one-month camp held in the Potomac Highlands of West Virginia. The camp is one of the most prominent honors programs and incentives for science education in the US. It annually honors two of the top high school science graduates from each state in the nation. (see www.nysc.org)

Note: The National Youth Science Camp was initiated in 1963 by the State of West Virginia as a means of celebrating its Centennial. Originally intended as a one-time-only program, it enjoyed such success that it has continued now for forty years as one of the nation's pre-eminent honors programs for high school science graduates. At the inaugural camp in 1963, I was one of the two honorees from the State of Iowa to the camp and was subsequently elected as President of the Alumni Association. Throughout the years since then, I have served on the camp staff for a total of 15 years, rising to become the Associate Director in 1977 and later the Director in 1987. This combined experience has afforded me a remarkable opportunity to work with government and education officials in all 50 states and with the federal government in Washington, DC. In 1976 I moved to West Virginia to pursue my graduate degrees, primarily due to the influence of the camp on my life.

Executive Board Member, National Youth Science Foundation, Charleston, WV, 1983 – 1994

Vice President, 1992 – 1994

In 1983 I helped to establish the National Youth Science Foundation in Charleston, WV as a mechanism to support the camp through private and public contributions through grants sponsoring research in informal science education (see www.nysf.com). In 1989 I helped to found the NYSF Office of Program Research, and I then consulted with the Office to help develop proposals for new NYSF programs, including an international camp, a West Virginia state camp, and the National Science Teaching Institute. In 1994, when I became Education Department Chair at St. Lawrence, I reduced my work with the NYSF to a minimum.

Consulting, cont.

Consulting, cont.

Clearly, the National Youth Science Camp and its funding organization, the National Youth Science Foundation have been a major emphasis in my personal and professional life for 45 years. They have provided me with multiple opportunities for teaching, research, and service, and they have opened doorways most people only dream of – a chance to meet some of the most prominent scientists of the 20th century, travel throughout United States and the state capitals, conversations with US presidents, members of Congress, and governors, welcome in government offices, research labs, and scientific installations, and, perhaps above all, opportunities to meet and nurture some of the nation's most promising and gifted young people.

Curriculum Consultant, One Spirit Interfaith Seminary, New York, New York, 2000 – present

Note: Following 3 years of weekend and summer intensive study at The New Seminary in New York City, I was ordained as an interfaith minister in June 2000. Since then, I have performed weddings, baptisms, funerals, and other religious functions for couples and groups in need of interfaith services. At St. Lawrence, I have assisted St. Lawrence University's Chaplain Kathleen Buckley with interfaith services on campus. In June, 2004, I attended the annual Spirituality & Education Conference held at Naropa University's Shambala Center in Red Feather Lakes, CO.

In 1999 – 2000, I served at the New Seminary's curriculum consultant. In 2001, I joined the deans of the New Seminary when they left to create the One Spirit Learning Alliance and a new interfaith seminary. I continue to serve as an educational consultant to the One Spirit Interfaith Seminary as it develops its graduate-level offerings for professional development in the interfaith ministry. (see www.onespiritinterfaith.org)

SERVICE TO ST. LAWRENCE UNIVERSITY

Departmental and Program Leadership

Chair, SLU Department of Education, 1994 – present

Note: As department chair, I manage the activity of the undergraduate Teacher Education Program and the graduate programs in General Studies in Education, Human Development and Counseling, and Educational Administration, providing supervision and evaluation of personnel (6 full-time faculty, 24 part-time faculty, and 2 staff members), budgeting, curriculum planning and scheduling, and other services to the department and the University. I also serve as liaison with the New York State Education Department, assuring compliance with NYSED regulations regarding certification and program quality assurance. I coordinate the University's offerings in education during undergraduate and graduate summer school sessions, and I work closely with Rod Cook at the St. Regis Mohawk Tribal Offices to coordinate the University's satellite program in education on the reservation. Finally, I work with full-time and adjunct professors, both in education and in the disciplines, to develop new courses on the undergraduate and graduate levels.

Chair, SLU Teacher Education Advisory Committee, 1991 – 2008 (co-Chair with Esther Oey, 2002 – 2006)

Departmental and Program Leadership, cont.

Member, SLU Academic Advising Committee, 2007 – present

The SLU Teacher Education Advisory Committee was merged into the SLU Academic Advising Committee, effective in the 2007-2008 academic year. I now serve on that committee to represent the needs for teacher education at SLU.

Coordinator, SLU Re-Registration of Teacher Education Programs, 1990, 1993, 2000;

Collaborator, SLU Re-registration of Counseling Education Programs, 2004;
SLU Re-registration of Educational Leadership Programs, 2006.

SLU representative, Teacher Education Accreditation Council (TEAC), 1999 – present

Member, SLU Search Committees, 1997, 1998, 2000, 2001, 2002, 2004, 2005, 2006

Collaborator, Institute for Learning Centered Education, 1999 – present

Note: St. Lawrence University hosts an annual [Constructivist Design Conference](#) implemented by the Institute for Learning Centered Education for the Learner Centered Resource Collaborative. This one-week conference brings up to 250 school teachers, administrators, and parents to work in teams on projects initiated in their own school district. The Institute provides expertise to work with each of the individual district teams throughout the week, it provides workshops on constructivist (learning-centered) approaches to education, and it provides opportunities for SLU graduate students to learn first-hand about curriculum development and related topics in school administration. As a benefit, the conference showcases the University to all of these educators, who carry the message back to their schools throughout New York State and the Northeast.

Collaborator, Learning Centered Resource Collaborative, 2003-present

Note: In 2003, the SLU's Department of Education completed an affiliation agreement with the Institute for Learning Centered Education, Niagara University, the St. Lawrence Valley Teachers Learning Center, and the Questar III BOCES (Albany) to establish the "Learning Centered Resource Collaborative." Members of the collaborative provide resources for ongoing work in professional development for school districts and teacher education programs, and they engage in research and publication on constructivist approaches to education. The collaborative has already recruited new members throughout New York State and other US states, and it sponsors its own e-journal, [Journal for the Practical Application of Constructivist Theory in Education \(JPACT-e\)](#), first published in March, 2006. I serve as co-editor with Prof. R. Michael Smith of Niagara University. Together we manage the affairs of the journal's editorial board and review policies.

Since 2004, the Learning Centered Resource Collaborative has jointly sponsored the week-long summer Constructivist Design Conference, now held annually on the St. Lawrence Campus. The conference brings teams of educators

University-wide Committee Work

SLU Academic Advising Committee, 2007 – present
SLU Classroom Stewards Committee, 2003 – 2007
SLU Asian Studies Committee, 2003 – present
SLU Summer Term Advisory Committee, 2000 – 2003
SLU Library Committee, 1990 – 1991
SLU Advisory Committee for the Reading Tutor Program, 1997 – present
 Chair, 1999 – present
SLU Faculty Governance Task Force, 1995
SLU Faculty Council, 1993 – 1995
SLU Faculty Representative, Physical Plant Study Committee, 1993
SLU Outdoor Education Study Group, 1992 – 1994 (precursor to Outdoor Studies minor)
SLU Search Committees in Admissions, 1991, 1992, 1993, 1994
SLU Search Committees in Career Planning, 1996, 1997, 1998
SLU Middle States Task Force on University Relations, 1996
SLU Curriculum Inventory Study Group, 1996
Consultant to SLU Associate Dean's Office on Faculty Development, 1992 – 1996, 1998 – 2000

SLU Coordinator, Ellen C. Burt '42 Endowment for North Country Education

- Annual North Country Symposium on Education,, Environment, and Economic Vitality
- North Country Educator Scholarship Program
- Science/Environmental Education Partnership Programs
- Educational Leadership Academy of Northern New York

Note: The 1st Ellen C. Burt '42 Annual Symposium, *Going Local: Capitalizing on our Resources in St. Lawrence County*, was held on May 6-7, 2003 at St. Lawrence. Over 150 participants from commerce, government, and education in St. Lawrence County attended the symposium and helped to establish 10 different action/research teams devoted to strengthening the county's economy using "going local" principles featured at the symposium. As Chair of the Steering Committee, I was instrumental in developing and implementing this new program for the University. The 7th Annual North Country Symposium was held on April 6-7, 2009. The Symposium continues to serve the North Country region to enhance its economic, environmental, and educational vitality.

SERVICE TO THE PROFESSIONAL EDUCATION COMMUNITY

Accreditation Panel Member, Teacher Education Accreditation Council (TEAC), Washington, DC, 2007 – 2010 (three-year term)

Steering Committee Member, Regional Professional Development Collaborative, St. Lawrence County Public Schools and Colleges, 2000 – present

Note: Emerging out of the interest of the St. Lawrence County Superintendents Association as well as the Associated Colleges of the St. Lawrence Valley, the Regional Professional Development Collaborative was established to develop effective approaches to teacher education with practicing teachers as well as prospective teachers. As a charter member of the collaborative, I have helped to create the overall structure and vision for its future activities as well as create many of the policies and procedures required for effective operation. The work will be ongoing for years.

Member, NY Regional School Support Center Advisory Board, 2000 – 2006

Member, St. Lawrence Valley Teachers Learning Center Policy Board, 1989 – present

SERVICE TO THE PROFESSIONAL EDUCATION COMMUNITY, cont.

- Member, Phi Delta Kappa, St. Lawrence Valley Chapter, 1991 – present
PDK Awards Committee, 1991 – present
- Member, Liberty Partnership Program Advisory Board, St. Law./Jeff. Co., 1990 – 2002
- President, Board of Directors, Hilton Pond Center for Piedmont Natural History, York, SC, 2000 – present
- Member, Association of Teacher Educators, 1990 – present
Delegate to ATE National Assembly, 1995 – 1998
Executive Committee, ATE Council of Unit Presidents, 1995 – 1997
Candidate for ATE National Executive Board, 1998
Nominations and Elections Committee, 1993 – 1995
Teacher Educator Standards Committee, 1995 – 1997
- Member, New York State Association of Teacher Educators, 1990 – present
Board of Directors, 1990 – 1999
President Elect, 1995 – 1996
President, 1996 – 1998
Immediate Past President, 1998 – 1999
- Representative, New York Association of Colleges of Teacher Education, 1994 – present
Member, Executive Board, 2004 – 2006
- Steering Committee Member, Educ. Leadership Academy of Northern New York, 2000 – 2004
Note: ELANNY was established as an initiative to merge the resources of the Associated Colleges of the St. Lawrence Valley to strengthen and sustain the development of educational leadership, not only in the region's public schools but also in its institutions of higher education. By 2004, the academy had developed continuing programs for practicing administrators and a joint program between St. Lawrence University's M. Ed. program in Educational Administration and Clarkson University's M.B.A. program to prepare educational leaders and school business officers. ELANNY also investigated the possibility of the a doctoral program in educational leadership through the combined programs of Clarkson University and St. Lawrence University; this initiative was shelved in May, 2004.
- NY Commissioner's Advisory Council on Teacher Education, 1996 – 1998
- NY Representative, National Congress on Teacher Education, 1995
(cited as a contributing facilitator in the proceedings, Teachers for a New Millennium, Corwin Press, 1996)
- Member, VT Council of Teacher Educators, 1985 – 1989
Vice President, 1988 – 1989

Note: My association with all of the above-mentioned national and state-level organizations in teacher education has continued since I entered the profession in the 1980's. Included in this work is the development of national policy in teacher education, establishment of new national standards for teacher educators in 1997, new standards and regulations for teacher education programs in New York State in 1998, and establishment of the New York State Standards and Practices Board for Teaching.

In October, 2003, I was honored by the New York Association of Colleges for Teacher Education as the second recipient of the **Charles C. Mackey, Jr. Award for Service Leadership in Education**, a state-wide recognition of leadership in the field of teacher education in New York State. In June, 2005, I was honored by the St. Lawrence Valley Chapter of Phi Delta Kappa, the international honorary in education, as a recipient of the chapter's **Service Key in Education** in recognition of work to promote and strengthen the education profession in the region.