

**VITA, Dr. RICHARD G. BOEHM,
Jesse H. Jones Distinguished Chair in Geographic Education
(Texas State University Format)
September 2016**

I. Academic/Professional Background

A. Name: Richard G. Boehm Title: Professor and Jesse H. Jones Distinguished Chair in Geographic Education-Appointed by the Board of Regents, Texas State University System, May 1, 1998.

B. Educational Background

<i>Degree</i>	<i>Year</i>	<i>University</i>	<i>Major</i>
Ph.D. Dissertation Title:	1975	University of Texas at Austin "Structural Relationships between Texas Ports and Inland Supply Points for Export Cotton."	Geography
M.A.	1962	University of Missouri-Columbia	Geography
B.S.	1960	University of Missouri-Columbia	Social Studies Education

C. University Experience

<i>Position</i>	<i>University</i>	<i>Dates</i>
Jesse H. Jones Distinguished Chair in Geographic Education	Texas State University- San Marcos	1998-Present
Professor	Texas State University-San Marcos	1980-Present
Associate Professor	Texas State University-San Marcos	1977-1980
Instructor and Assistant Professor	University of Missouri-Columbia	1971-1977
Instructor and Assistant Professor	Texas State University-San Marcos	1963-1971

D. Relevant Professional Experience

<i>Position</i>	<i>Entity</i>	<i>Dates</i>
Adjunct Professor of Shanghai Geography Education and Teaching Research Base at East China Normal University. Shanghai, China.		2015- 2019
Co-Director, National Center for Research in Geography Education		2013-Present

Director, The Gilbert M. Grosvenor Center for Geographic Education, Texas State University, San Marcos, Texas	1997-present
Co-Coordinator, Texas Alliance for Geographic Education	1986-2010
Chairman, Department of Geography and Planning, Texas State University, San Marcos, Texas	1977-1994
Chairman, Department of Geography, University of Missouri-Columbia	1976-1977
Director, Institute for Corridor Studies, Texas State University, San Marcos, Texas	1983-1993

E. Other Professional Credentials (licensure, certification, etc.)

II. TEACHING

A. Teaching Honors and Awards:

Received the NCGE 2010 Distinguished Mentor Award at the Savannah national meeting.
(There were two mentor awards given in 2010).

Received the Distinguished Teaching Achievement Award from the National Council for
Geographic Education, Fall 1985.

B. Courses Taught:

Graduate:

Seminar in Geographic Curriculum
Teaching Methodologies in Geography
Advanced Seminar in Geographic Education
Advanced Geographic Research Design
Applied Economic Geography
History & Philosophy of Geographic Education
Dissertation

C. Graduate Theses/Dissertations or Exit Committees (if supervisor, please indicate):

Undergraduate Honors College Theses:
Mackenzie Carthart – 2016 (Supervisor)

Master's Graduates:

Cheryl Frazier (Supervisor)
Carmen Brysch (Supervisor)
Joann Zadrozny (Supervisor)

Ph.D. Graduates:

Christa Stutz Farano – 2016 (Supervisor)

Mary Curtis – 2015 (Supervisor)
Michael Scholz – 2014 (Supervisor)
Carmen Brysch – 2014 (Supervisor)
Andrew Sansom – 2013 (Supervisor)
Lee Stone – 2013 (Supervisor)
Frank Morales – 2011 (Supervisor)
Cathy Cooper – 2011 (Supervisor)
Christopher Murr – 2009 (Supervisor)
Audrey Mohan – 2009 (Supervisor)
Brian Earle – 2008 (Supervisor)
Zachary Moore – 2008 (Supervisor)
Cathryn Springer – 2007 (Supervisor)
Ellen Foster – 2006 (Supervisor)
Xiaomin Qui – 2006 (Supervisor)
David Rutherford – 2005 (Supervisor)

Current Ph.D. Students:

Melinda Casey (Supervisor)
Maribel Velez (Supervisor)
Cheryl Frazier (Supervisor)
Mark Rockeymoore (Supervisor)
Clovis Perry (Committee Member)
Angela Wranic (Committee Member)
Caroline McClure (Supervisor)
Joann Zadrozny (Supervisor)

D. Courses Prepared and Curriculum Development:

Graduate:

Seminar in Curriculum: Geographic Education
Seminar in Geographic Education (History and Philosophy)
Teaching Methodologies in Geography
Seminar in Standards and Assessment
Advanced Seminar in Geographic Education
Advanced Geographic Research Design
Applied Economic Geography

Undergraduate:

World Geography
Economic Geography

E. Funded External Teaching Grants and Contracts

Almost all of my externally funded projects involved teaching (see Section III, C-1, p.29).

F. Submitted, but not Funded, External Teaching Grants and Contracts:

See Section III, C-2, p.37.

G. Funded Internal Teaching Grants and Contracts:

See Section III, C-3, p.37

H. Submitted, but not Funded, Internal Teaching Grants and Contracts:

See Section III, C-4, p.37

I. Other:

III. SCHOLARLY/CREATIVE

A. Works in Print

1. Books, Monographs, and Special Publications

Discovering World Geography (2018). Columbus: Glencoe, McGraw-Hill.

Geography: The Human and Physical World (2018). Columbus: Glencoe, McGraw-Hill.

Muniz Solari, O., M. Solem, and R. G. Boehm, eds. (2017). *Learning Progressions in Geography Education: International Perspectives*. New York: Springer International Publishing

Geography: The Human and Physical World (2015). Columbus: Glencoe, McGraw-Hill.

Solem, M., N. T. Huynh, and R. G. Boehm, eds. (2014). *Learning Progressions for Maps, Geospatial Technology, and Spatial Thinking: A Research Handbook*. Washington, DC: Association of American Geographers.

Discovering World Geography (2014). Columbus: Glencoe, McGraw-Hill.

Discovering World Geography: Eastern Hemisphere (2014). Columbus: Glencoe, McGraw-Hill.

Discovering World Geography: Western Hemisphere (2014). Columbus: Glencoe, McGraw-Hill.

Geography: The Human and Physical World (2014). Columbus: Glencoe, McGraw-Hill.

Why Geography is Important (revised edition) 2013. Chaired the writing committee, Grosvenor Center for Geographic Education.

World Geography and Cultures (with National Geographic Society). (2012). Columbus: Glencoe McGraw-Hill

Geography and History of the World (2010) Columbus, OH: Glencoe/McGraw Hill.

Muniz-Solari, O., & R. G. Boehm, eds. (2009). *Geography Education: Pan American Perspectives*. San Marcos, TX: Grosvenor Center for Geographic Education.

Why Geography is Important. (2008) San Marcos: Grosvenor Center for Geographic Education.

World Geography and Cultures (with National Geographic Society). (2008) Columbus, New York: Glencoe/McGraw-Hill.

Exploring Our World: People, Places and Cultures (with others), (2008) Columbus, New York: Glencoe, McGraw-Hill.

The World and Its People (with others) (2005) New York: Glencoe/McGraw-Hill.

Basal Text Series, Grades K-6, Macmillan Social Studies (with others), (2005) New York: Glencoe/McGraw-Hill.

Our World Today: People, Places and Issues (with others), (2005) New York: Glencoe/McGraw-Hill.

Glencoe World Geography (with National Geographic Society), (2005) New York: Glencoe/McGraw-Hill.

The Best of Both Worlds: Merging History and Geography in the K-12 Curriculum (with D. Saxe and D. Rutherford). (2003) Washington, D.C.: Thomas B. Fordham Foundation.

Glencoe World Geography (with National Geographic Society), (2003) New York: Glencoe/McGraw-Hill.

Our World Today: People, Places and Issues (with others), (2003) New York: Glencoe/McGraw-Hill.

Building Geography Skills for Life (2003) New York: Glencoe/McGraw-Hill.

K-6 Basal Social Studies Series (with others), (2003) New York: Macmillan/McGraw-Hill School Publishers. Seven volumes.

Social Studies: A How To Skills Resource (including maps, reading, writing, charts, graphs, and test strategies) (with B. Webb). (2002) Columbus, Ohio: SRA, A Division of McGraw-Hill. Twelve volumes, including a text, teacher's guide, and skills book at each grade level.

Geography: The World and Its People (with others). (2002) New York: Glencoe/McGraw-Hill.

Geography: The World and Its People, Volume One and Two (with others). (2002) New York: Glencoe/McGraw-Hill.

Time and Space Convergence: A Joint History-Geography Curriculum (with D. Saxe and D. Rutherford). (2002) San Marcos, Texas: Grosvenor Center for Geographic Education.

Path Toward World Literacy: A Standards-Based Guide to K-12 Geography (with others) (Grosvenor Center for Geographic Education). (2001) Washington, D.C.: National Geographic Society.

Path Toward World Literacy: A Scope and Sequence in Geographic Education, K-12 (with others) (Grosvenor Center for Geographic Education). (2000) Washington, D.C.: National Geographic Society.

Glencoe World Geography (with National Geographic Society). (2000) New York: Glencoe/McGraw-Hill.

Geography: The World and Its People (with others). (2000) New York: Glencoe, Macmillan/McGraw-Hill, 780 pp.

"Geography of the United States" for Microsoft Encarta. (1999)

Harcourt-Brace Social Studies, learning program for grades K-6 (with others). (1998) Orlando, Florida: Harcourt-Brace School Publishers. Seven volumes.

The First Assessment: Research in Geographic Education (edited with J. Petersen). (1997) San Marcos, Texas: The Gilbert M. Grosvenor Center for Geographic Education, 304 pp.

World Geography: A Physical and Cultural Approach (with National Geographic Society). (1997) New York: Glencoe, Macmillan/McGraw-Hill, 785 pp.

Stories in Time, learning program for grades K-6 (with others). (1996) Orlando, Florida: Harcourt-Brace School Publishers.

Kindergarten	<u>All About Me</u>
Grade 1	<u>My World</u>
Grade 2	<u>Meeting Many People</u>
Grade 3	<u>Living in Our World</u>
Grade 4	<u>State and Regions</u>
Grade 4	<u>The Story of Texas</u>
Grade 5	<u>America's Story</u>
Grade 6	<u>Our World's Story</u>

Geography: The World and Its People (with others). (1996) New York: Glencoe, Macmillan/McGraw-Hill, 777 pp.

World Geography: A Physical and Cultural Approach. (1995) New York: Glencoe, Macmillan/McGraw-Hill, 786 pp.

Geography for Life, National Standards in Geography (with a writing team of seven). (1994) Published under a grant from the U.S. Department of Education under Goals 2000: Educate America Act. Washington, DC: National Council for Geographic Education and the National Geographic Society.

Careers in Geography. (1993) Washington, DC: National Geographic Society, 16 pp.

World Geography: A Physical and Cultural Approach (with J. Swanson). (1992) 3rd edition. Columbus, Ohio: Glencoe, Macmillan/McGraw-Hill, 672 pp.

World Geography: A Physical and Cultural Approach (with J. Swanson). (1989) 2nd edition. Mission Hills, California: Glencoe Publishing Co., 672 pp.

Guidelines for Geographic Education: Elementary and Secondary Schools (with others). (1984) Washington, DC: National Council for Geographic Education and the Association of American Geographers, 26 pp.

Latin America: Case Studies (edited with S. Visser). (1984) Dubuque, Iowa: Kendall-Hunt Publishers, 300 pp.

Transport Regulation in Missouri (with others). (1978) Jefferson City, Missouri: Missouri Public Service Commission, 224 pp.

Principal Interaction Fields of Missouri Regional Centers (with W. Wagner). (1976) Columbia, Missouri: University of Missouri-Columbia Extension Division, 38 pp.

Missouri's Transportation System: Condition, Capacity and Impediments to Efficiency (with others). (1976) Columbia, Missouri: Missouri Office of Administration, 351 pp.

Exporting Cotton in Texas: Relationships of Ports and Inland Supply Points. (1975) Austin, Texas: Bureau of Business Research, The University of Texas at Austin, 78 pp.

2. Articles

“Transformative Research in Geography Education: The Role of a Research Coordination Network”. (2017) With M. Solem *The Professional Geographer*. REFEREED

“Investigating grade level impact of the Advanced Placement human geography course and student interests in pursuing geography in higher education” (2017). With M. Scholz and R. Scholz. *Research in Geographic Education*. Vol 19(1): 67-81. REFEREED

“Integrating Geospatial Technology in Pre-Service Teacher Training Programs.” (2017). With Summers, E.J., Zadrozny, J., Van Overschelde, J. P., Huynh, N.T., Solem, M., and Boehm, R. G. *Research in Geographic Education*. Vol 19(1): 102-126. REFEREED

“The evolution of the modern era of geographic education through messages that established the foundation for K-12 educators.” (2016). With M. Patton and R. D. Blanchard. *Research in Geographic Education*. Vol 18(2): 10-25. REFEREED

“On Matters of Concern” (2015). *Research in Geographic Education*. Vol. 17(1): 15-19. INVITED

“Online Professional Development in Geography: The Learning Cluster Model and Teacher Leadership.” (2014). With C. Brysch. *European Journal of Geography*. Vol. 5(1): 62-69. REFEREED.

“STEM Corps: A Workforce Enhancement for At-Risk Students.” (2014) With J. Zadrozny, C Brysch, & F. Morales. *International Journal of Liberal Arts and Social Science*. Vol. 2 (3): 1-12. REFEREED.

“A New Pathway: Video-Based Teacher Professional Development in the Field of Geography in the United States.” (2013) With S. Gu and C. Brysch. *Global Education*. October (10). REFEREED.

“A New Pathway: Video-Based Professional Development in Geography”, with C. Brysch, A. Mohan, and A. Backler. 2012. *Journal of Geography*. Vol. 111, No. 2, March/April, pp. 41-53. REFEREED.

“Using Technology for Geography Teacher Education: Web-based Professional Development.” With C. Frazier. 2012. *Review of International Geographical Education Online*. Vol. 2, No. 1, pp.1-14. REFEREED.

“Factors Strengthening School Geography’s Curriculum Position in the Nineteenth Century.” With Z. Moore. (2011) *The Social Studies* Vol. 102, Issue 1, Jan/Feb 2011, p.p. 49-57. REFEREED.

“Geography Education and Early Career Professionals,” in *Geography Education: Pan American Perspectives*. With A. Mohan. (2009) San Marcos, TX: Grosvenor Center for Geographic Education. REFEREED.

“Geography Education in the United States,” in *Geography Education: Pan American Perspectives*. With A. Mohan. (2009) San Marcos, TX: Grosvenor Center for Geographic Education. REFEREED.

“Geospatial Technology: Curricular Keystone of Applied Geography.” With A. Mohan (2009) *International Journal of Applied Geospatial Research*, Volume 1, No. 1. REFEREED.

“Defining a Core Curriculum in Applied Geography” (article reprint), in *Applied Geography for the Entrepreneurial University*. With A. Mohan. (2008) Paris, France: Economica.

“Round Two: Standards Writing and Implementation in the Social Studies” With D. Rutherford. (2004) *The Social Studies*. 95.6, 231-238. REFEREED.

“Fostering Research in Geographic Education: The Gilbert M. Grosvenor Center for Geographic Education.” (2002) *International Research in Geographical and Environmental Education*, Vol. 11, No. 3, pp. 278-282. REFEREED.

“Under-representation in Geography: Why We Should and How We Can Do Better” With E. Foster. (2002) *International Research in Geographical and Environmental Education*, Vol. 11, No. 3, pp. 287-291. REFEREED.

“A Scope and Sequence in Geographic Education, Grades K-12.” (2002) *Journal of Geography*, Vol. 101, No. 2, March/April, pp. 86-88. REFEREED.

“Teaching and Learning the Location and Place Geography of Middle America” With J. Petersen and D. Rutherford. (2001) *The Pennsylvania Geography*, Vol. 39, No. 2, Fall/Winter, pp. 18-29. REFEREED.

“The Influence of Environmental Exploration on Geographic Performance Among Adolescents: A Gender and Cross-Cultural Analysis” With P. Wridt. (2001) *International Research in Geographical and Environmental Education*, Vol. 9, No. 3, pp. 211-222. REFEREED.

“A Rationale and Model for a Scope and Sequence in Geographic Education, Grades K-12” With S. Hume. (2001) *The Social Studies*, Vol. 92, No. 1, January/February, pp. 16-21. REFEREED.

"Environmental Issues in World Geography: A Problem-Solving Approach" With D. Blanchard Boehm. (2000) *The Social Studies Texan*, Vol. 16, No. 2, Fall/Winter. REFEREED by Editorial Board.

"American Ethnic Geography and the National Geography Standards" With L. E. Estaville and C. J. Rosen. (1997) Chapter One in Teaching American Ethnic Geography. Estaville and Rosen, eds., Pathway Series No. 19, Indiana, Pennsylvania: National Council for Geographic Education.

"Lessons About the Rio Grande as an International Border: With Links to the National Standards in Geography" With J. Petersen. (1997) *The Social Studies Texan*, Vol. 13, No. 1, summer, pp. 63-67. REFEREED by Editorial Board.

"The First Assessment: A Contextual Statement," in The First Assessment: Research in Geographic Education. With J. Petersen. (1997) San Marcos, Texas: The Gilbert M. Grosvenor Center for Geographic Education, pp. 1-16.

"Putting Geography to Work: Guiding Students Down Career Paths," in Spaces and Places: A Geography Manual for Teachers. With R. D. Boehm. (1995) Indiana, Pennsylvania: Geographic Education National Implementation Project. REFEREED.

"Directions for Geography Students: Intellectual Challenges and Meaningful Careers" With D. Blanchard Boehm. (1994) *Bulletin of the National Association of Secondary School Principals*, Vol. 78, No. 564, October, pp. 7-18. REFEREED.

"On Adapting, Surviving and Prospering" (invited commentary). (1994) *International Research in Geographic Education and Environmental Education*, Vol. 3, No. 1, pp. 83-85.

"An Elaboration of the Fundamental Themes in Geography." With J. Petersen. (1994) *Social Education*, Vol. 58, No. 4, April/May, pp. 211-218. REFEREED.

"The Guidelines for Geographic Education: A Ten-Year Retrospective." With J. Petersen and S. Natoli. (1994) *Social Education*, Vol. 58, No. 4, April/May, pp. 206-210. REFEREED.

"The Bete Noir of Geographic Education: Teacher Training Programs." With J. Brierley and M. Sharma. (1994) *Journal of Geography*, Vol. 93, No. 1, January/February, pp. 21-28. REFEREED.

"The Concept of Region and Texas History and Geography." (1993) *The Social Studies Texan*, Vol. 8, No. 3, Winter, pp. 61-64. REFEREED by Editorial Board.

"No 'New Geography' Only New Geography." (1990) Commentary in the *Journal of Geography*, Vol. 89, No. 2, March/April, p. 84.

"Geography: A Pathway Through College to Meaningful Careers." (1989) *Bulletin of the National Association of Secondary School Principals*, Vol. 73, No. 521, December, pp. 39-43. REFEREED.

"Geography: Opening the Doors of Your Life." (1989) *The Social Studies Texan*, Vol. 5, No. 2, Fall, pp. 36-39. REFEREED by Editorial Board.

"Applied Geography: An Academic Response to the Structural Change of a Discipline." With J. Harrison. (1989) Chapter in Applied Geography: Issues, Questions and Concerns (M. S. Kenzer, ed.). Dordrecht: Kluwer Academic Publishers, pp. 37-52.

"The Fundamental Skills of Geography" With G. Vuicich and J. Stoltman. (1988) Chapter in Strengthening Geography in the Social Studies (S. Natoli, ed.). Bulletin No. 81, Washington, DC: National Council for the Social Studies, pp. 73-92. REFEREED.

"The Utility of Geography: Many Aspects of Careers in Geography." (1988) In The Essence of Place: Geography in the K-12 Curriculum. Los Angeles, California: Center for Academic Inter-Institutional Programs, UCLA, pp. 237-247.

"Middle America: Location and Place" (with others), (1987) *Social Education*, Vol. 51, No. 7, November/December, pp. 479-484. REFEREED.

"Teaching Place Names and Locations in Grades 4-8: Maps of Errors" With J. Petersen. (1987) *Journal of Geography*, Vol. 86, No. 4, July/August, pp. 167-170. (Note: *Journal of Geography* award for "Best Article Related to Teaching in the Elementary Schools"). REFEREED.

"Talks With Teachers." (1986) Interview and commentary, *Journal of Geography*, Vol. 85, No. 6, November/December, pp. 259-262.

"On Prejudice in Geography." (1984) Opinion piece in *Journal of Geography*, Vol. 83, No. 2, March/April, pp. 52-53.

"Oklahoma" (1981) Funk and Wagnalls New Encyclopedia.

"Louisiana." (1981) Funk and Wagnalls New Encyclopedia.

"Texas." (1981) Funk and Wagnalls New Encyclopedia.

"Arkansas" (1981) Funk and Wagnalls New Encyclopedia.

"Geography Is More Than Knowing: Deciding and Doing Are Basic Too!" With J. Kracht. (1980) *Journal of Geography*, Vol. 79, No. 3, March, pp. 104-107. (Note: *Journal of Geography* award for "Best Article Related to Teaching Geography in Elementary Schools"). REFEREED.

"Feelings About the Community: Using Value Clarification In and Out of the Classroom" With J. Kracht. (1975) *Journal of Geography*, Vol. 74, No. 4, April, pp. 198-206. (Note: *Journal of Geography* award [honorable mention] for "Best Article Related to Teaching in the Secondary Schools"). REFEREED.

"Geographical Expeditions: Field Work for the Elementary Grades" With J. Kracht. (1974) *Journal of Geography*, Vol. 73, No. 6, September, pp. 7-12. REFEREED.

"A Spatial Analysis of Selected Ecological Elements of Juvenile Delinquency in New Orleans." (1973) Chapter 6 in Where Have All the Children Gone? for the National Council on Crime and Delinquency.

"Geovision: A Critical Appraisal." (1972) Invited review article for the *Journal of Geography*, Vol. 71, No. 6, September, pp. 380-381.

"The Location and Geographic Assignment of Regional Detention Facilities." (1972) Chapter 3 and Appendix II in Regional Detention: Secure Juvenile Detention Needs in Upper New York State for the National Council on Crime and Delinquency.

"Successful Television Teaching" With R. Cramer. (1971) *Journal of Geography*, Vol. 70, No. 5, May, pp. 276-279. REFEREED.

"Recommended Reading for Geography Teachers." (1969) *Texas Outlook*, Vol. 53, No. 11, November, pp. 24-25.

"The Recent Argentine Attack on the United States' Meat Market." (1969) In Contemporary Latin America (Johnson and Weeks, eds.). Houston, Texas: University of Houston Office of International Affairs, pp. 11-13. REFEREED.

3. Conference Proceedings

a. Refereed Conference Proceedings:

"Project Geography Online: Professional Development for Teachers on the Go" (2017). With Joann Zadrozny and Michael Solem. National Council for the Social Studies annual conference. San Francisco, CA. REFEREED.

"Geospatial Enrichment Module Workshop." (2015). With Joann Zadrozny. National Council for the Social Studies annual conference. New Orleans, LA. REFEREED.

"The Learning Cluster Model (LCM) As a Means of Extending the Capabilities of an online Professional Development System in Geography." (2013) With Carmen Brysch. *Papers of the Applied Geography Conferences*. REFEREED.

"The Alumni Business Card Directory: An Effective Recruiting Tool." With J. Behrens (2008) *Papers of the Applied Geography Conference*. Vol. 31, pp. 189-194. REFEREED.

"Educating Leaders in Geographic Education: A summer Cohort Ph.D. Program." With A. Mohan and M. Crenshaw (2007) *Papers and Proceeding of the IGU Commission on Geographical Education*, Brisbane, Australia.

"On the Education of an Applied Geographer." With A. Mohan (2007) *Papers of the Applied Geography Conference*. Vol. 30, pp. 197-205. REFEREED.

"Defining a Core Curriculum in Applied Geography." With A. Mohan (2006) *Papers of the Applied Geography Conference*. Vol. 29, pp. 340-349. REFEREED.

"Plying Our Trade: A Curriculum for Applied Geography." (2004) *Papers and Proceedings of the Applied Geography Conferences* 27, 1-11. REFEREED.

"The Nature and Scope of Geography in the Schools: A Preliminary Interpretation." (2003) *Papers and Proceedings of the Applied Geography Conferences*, Vol. 26, pp. 178-187. REFEREED.

“A Model for Geography Department Recruitment of Minority Students” With L. Estaville. (2001) *Papers and Proceedings of the Applied Geography Conferences*, Vol. 24, pp. 316-321. REFEREED.

“Health of the Discipline Indicators” With L. Estaville and W. Bigler. (2000) *Papers and Proceedings of the Applied Geography Conferences*, Vol. 23, pp.300-308. REFEREED.

“Faculty Attitudes About a Common Course Curriculum for Introductory Geography Courses.” (1999) *Papers and Proceedings of the Applied Geography Conferences*. Vol. 22, pp.100-106. REFEREED.

"An Argument for a Common Course Curriculum in Introductory Geography Courses." (1998) *Papers and Proceedings of the Applied Geography Conferences*. Vol. 21, pp. 104-113. REFEREED.

"Beyond Analysis in Applied Geography: Writing to Influence Policy Decisions." (1981) *Proceedings of Applied Geography Conferences*, Vol. 4, pp. 395-398.

b. Non-refereed:

4. Abstracts:

5. Reports:

6. Book Reviews:

7. Other:

Online professional development program titled “Project GO”, extension of “Geography: Teaching with the Stars.” (2017). Project Director.

Program Titles

Precision Agriculture
Urban Heat Islands

Water Resources
Tornado Alley

Online professional development program titled “Geography: Teaching with the Stars” Series (2009). Project Director. Bloomington, IN: Agency for Instructional Technology.

Program Titles

Globalization
Watershed Management

Water & Agriculture
Tidelands

“Geography and National Standards” (2005) Content Consultant/editor. Six educational television programs for middle school. Philadelphia: Schlesinger Media.

“K-4 United States Geography Series” (content consultant). (2004) 12 educational television programs. Philadelphia: Schlesinger Media.

Building Skills in Geography (with J. Petersen and L. Bybee). (1995) Mission Hills, California: Glencoe Publishing Co., 191 pp.

Texas Activity Workbook for Glencoe World Geography (with L. Bybee). (1995) New York: Glencoe/McGraw-Hill, 60 pp.

Workbook for Glencoe World Geography (with L. Bybee and J. Petersen). (1995) New York: Glencoe/McGraw-Hill, 82 pp.

Building Skills in Geography (with J. Petersen and L. Bybee). (1990) Mission Hills, California: Glencoe Publishing Co., 191 pp.

"Self-Assessment and Strategies for Improvement in Geography Departments" (with others). (1989) A project of the Task Force for the Advancement of Geography. Washington, DC: Association of American Geographers, 16 pp.

Book review of Economic Geography: Resource Use, Locational Choices, and Regional Specialization in the Global Economy (B. J. L. Berry, E. C. Conkling, and D. M. Ray, authors). (1989) Englewood Cliffs, California: Prentice-Hall, Inc., 1988, in The Professional Geographer, Vol. 41, No. 1, February, pp. 97-98.

Activity Workbook for Glencoe World Geography (with L. Bybee and J. Petersen). (1989) Mission Hills, California: Glencoe Publishing Co., 154 pp.

Texas Activity Workbook for Glencoe World Geography (with L. Bybee). (1989) Mission Hills, California: Glencoe Publishing Co., 60 pp.

"Enhancing High School Geography in Texas" (with J. Kracht). (1986) Commentary in The Professional Geographer, Vol. 38, No. 3, August, pp. 255-256.

"Energy and Our Society." (1980) Co-Producer and Television Teacher for a pilot educational television broadcast, KEDT-TV, Corpus Christi, Texas.

Transport Regulation in Missouri: Phase II (with others). (1979) Columbia, Missouri: Missouri Public Service Commission. In five parts.

Part 1: Final Report, 126 pp.

Part 2: Public Service Commission-Transportation Division Operations Handbook, 250 pp.

Part 3: Public Service Commission-Transportation Division Enforcement Manual, 44 pp. and Appendices.

Part 4: Public Service Commission-Transportation Division Job Evaluation Report, 60 pp.

Part 5: Public Service Commission-An Information Program for Transportation, 38 pp.

Peer Group Counseling in Berrien County, Michigan: 1977-1978 (with R. D. Larsen). (August 1978) St. Joseph, Michigan: Michigan Office of Criminal Justice, 83 pp. and Appendices.

Berrien County School-Based Peer Group Counseling Evaluation Report. (July 1977) St. Joseph, Michigan: Michigan Office of Criminal Justice, 60 pp.

Peer Group Counseling: A School-Based Juvenile Diversion Program. (1976) St. Louis, Missouri: Gateway Information Systems, Inc., 83 pp.

School-Based Delinquency Prevention: The Rock Island Experience (with F. Howlett). (1975) Austin, Texas: Justice Systems, Inc., 62 pp. and Appendices.

The Spatial Dynamics of the Juvenile Justice System. (1975) Typescript originally prepared for the National Center for Juvenile Justice. Pittsburgh, Pennsylvania: 32 pp.

"Magic Birthday Party." (1975) Teacher and user's guide for pilot educational broadcast in environmental education, Great Plains National Instructional Television Library, Lincoln, Nebraska.

"Geography for the 70's." User's guide to accompany a fifteen-program color ETV series for use in colleges and universities. The series was produced by the Southwest Texas Educational Television Council and was distributed by the Great Plains National Instructional Television Library, Lincoln, Nebraska.

Eleven "Media Review" articles for the Journal of Geography as the Media Review Editor. (1973-1977)

Geography for the 70's: A Teacher's Guide. (1971) Austin, Texas: Southwest Texas Educational Television Council.

"Geography for the 70's" (1970) A fifteen-part (color), enrichment educational television series produced by KLRN-TV, Austin, Texas. Distributed nationally by Great Plains National Instructional Television Library until 1979. Served as television teacher, producer, and writer.

Program Titles

Tundra and Subarctic	Industrial Revolution
Rainforest and Savanna	Urbanization
Desert and Steppe	Problems of Urbanization
Mid-Latitude Climates	Population Explosion
Rural Land Use and Settlement Patterns	Ecology
Raw Materials	Latin America
World Trade	Taiwan

"The Changing Earth." (1967-1968) A twenty-program series in geography, produced by KLRN-TV, Austin, Texas. This series was revised in 1968 and 1969. The programs were designed to enrich social studies and science classes in the greater Austin-San Antonio metropolitan area. Served as television teacher, producer, and writer. There was also a teacher's guide.

Program Titles

Tundra and Subarctic	Forest Resources
Rainforest and Savanna	Mineral Resources

Desert and Steppe
Mid-Latitude Climates
Primitive Man
Nomads
Rivers in History
Man Changes the Surface of the Earth
Water Resources
Soil Resources
Inhospitable Lands

The Ice of Today
Oceans
The Ocean Floor
Natural Catastrophes
Rivers of Today
Human Resources
Populations
Making a Living

B. Works not in Print

1. Papers Presented at Professional Meetings:

2017. Paper session for the International Geographical Union annual conference. Lisbon, Portugal.

“Project GO: An extension of Geography: Teaching with the Stars” NCRGE Research Roundtable” & “Powerful Geography” 2017. Paper session and panel discussant at the annual conference for the National Council on Geographic Education. Albuquerque, NM.

“NCRGE Research” 2017. Panel Discussant at the annual conference for the American Association of Geographers. Boston, MA.

“Texas Water: Vital Resource”. 2016. Texas Council for the Social Studies Annual Conference, Corpus Christi, TX.

“NCRGE Research Roundtable.” 2016. Panel discussion at the annual conference for the National Council on Geographic Education. Tampa, FL.

“Geospatial Enrichment Modules for STEM Education.” 2016. Panel Discussant at the annual conference for the American Association of Geographers. San Francisco, CA.

“Geospatial Enrichment for STEM Education and Research.” 2015. With Joann Zadrozny. Paper Session at the annual conference for the National Council on Geographic Education. Washington, D.C.

“Geospatial Resources, Materials, and Tools for STEM Teacher Preparation.” 2015. With Michael Solem and Niem Huynh. Paper Session at the annual conference for the National Council on Geographic Education. Washington, D.C.

“Panel Discussion: Celebrating Geography Education.” 2015. Session Chair and Panelist at the annual conference for the National Council on Geographic Education. Washington, D.C.

“National Center for Research in Geography Education.” 2015. Panel Discussion at the annual conference for the National Council on Geographic Education. Washington, D.C.

“Integrating Geography-based Resources, Materials, and Tools (RMT) into Pre-service STEM Courses.” 2015. Panel chair at the annual conference for the Association of American Geographers. Chicago, IL.

“Online Professional Development in Geography” 2014. With Carmen Brysch and Joann Zadrozny. Paper presented at the annual conference of the Texas Council for the Social Studies. Galveston, TX.

“Geography Education Research Sub-Center Workshop for Capacity Building”. 2014. With Michael Solem and Carmen Brysch. Workshop hosted at National Council for Geography Education. Memphis, TN.

“Inventory and Prospect: Research Capacity of the Geography Education Network in the U.S.” 2014. With Carmen Brysch. Paper presented at the annual conference of the National Council for Geography Education. Memphis, TN.

“Online Professional Development and the LCM” 2014. With Carmen Brysch. Paper presented at the annual conference of the European Association of Geographers. Valletta, Malta.

“What do contemporary geography student teachers need to know and how should we train them?” 2014. Panel Discussant at the annual meeting of the Association of American Geographers. Tampa, FL.

“The Learning Cluster Method: Enhancing Online Professional Development in Geography.” 2014. With Carmen Brysch and Joann Zadrozny. Paper presented at the annual meeting of the Association of American Geographers. Tampa, FL.

“Online Professional Development in Geography.” With Joann Zadrozny and Carmen Brysch. 2013. Paper presented at the annual meeting of the Texas Council for the Social Studies. San Antonio, TX.

“The Learning Cluster Model (LCM) as a Means of Extending the Capabilities of an Online Professional Development System in Geography.” 2013. With Carmen Brysch. Paper read at the Annual Meeting of the Applied Geography Conferences. Annapolis, MD.

“The Learning Cluster Model (LCM) as a Means of Extending Online Professional Development in Geography.” 2013. With Carmen Brysch. Paper presented at the annual meeting of the National Council for Geography Education. Denver, CO.

“Globalization: An Online Professional Development Model.” 2013. With Carmen Brysch. Paper read at the annual meeting of the National Council for the Social Studies. St. Louis, MO.

“Online Professional Development in Geography,” 2013. With Carmen Brysch. Paper presented at the annual meeting of the European Association of Geographers. Bruges, Belgium.

“How Does the Learning Cluster Model (LCM) increase the Capabilities of Online Professional Development and Enhance Teacher Leadership Skills?” 2013. With Carmen Brysch. Workshop and paper at the Grosvenor Center conference “Reading the Road Map: Advancing the Research Capabilities of Early Career Scholars in Geography Education.” Washington, D.C.

“Watershed Management.” 2013. With Carmen Brysch. Paper read at the Dupont Policy Institute meetings. Washington, D.C.

“Water and Agriculture: Best Practices for Teaching” 2012. With Carmen Brysch, Cheryl Fraizer, and Alex Oberle. Paper presented at the annual meeting of the National Council for Geographic Education. San Marcos, TX.

“Video-based professional development for teachers.” 2012. Panel chair. Geographical Association Annual Conference. Manchester, United Kingdom.

Organized, hosted, and presented at the Gilbert M. Grosvenor Center for Geographic Education program “Early Career Scholars in Geographic Education: A Research Symposium,” held in Lafayette, LA. May 2011. Participants include 8 “early career” researchers, and 10 senior scholars.

Organized, hosted, and presented at the Gilbert M. Grosvenor Center for Geographic Education program “Early Career Scholars in Geographic Education: A Research Symposium,” held at National Geographic Society headquarters. April 2010. Participants include 12 “early career” researchers, and 7 senior scholars.

Organizer, Chair and Panelist on a session at AAG (2010) “Geography: Teaching with the Stars.”

Chair and Discussant in an AAG session “Teaching Geography 11-18: A Conceptual Approach.” Session focused on the recent book (Teaching Geography 11-18) published by David Lambert and John Morgan from the University of London.

NCGE (October 2010) Workshop presenter for the Grosvenor Center “Teaching with the Stars” video-based professional development series for teachers of geography and environmental science.

Applied Conference (October 2010) one of seven panelists selected to address important “Career Trends and Opportunities in Geography.” This panel was organized by past AAG President Jan Monk and present Educational Affairs director of AAG Michael Solem. This was part of the AAG’s Enhancing Departments and Graduate Education in Geography (EDGE) project.

NCSS (November 2010) Presenter, “Globalization: A Prototype Web-based Professional Development Program for Teachers.”

"Geography: Teaching with the Stars, Part A." 2009. With Shagufta Ellam, Alan Backler, and Judy Behrens. Paper read at the meeting of the National Council for Geographic Education, San Juan, Puerto Rico.

"Geography: Teaching with the Stars, Part B." (for Geography Alliance coordinators only) 2009. Paper read at the meeting of the National Council for Geographic Education, San Juan, Puerto Rico.

Program participant via Skype in the Annual Research Forum, “Learning from the International Perspectives on Geographical Education, hosted by the British Sub-Committee of the International Geographical Union (IGU) Commission on Geographical Education, October 17, 2009, Room 802, Institute of Education, University of London.

"Geography: Teaching with the Stars." 2009. Paper read at the meeting of the Texas Council for the Social Studies, Dallas, TX.

"Building Bridges in Geographic Education: Miller Award with Early Career Academics." 2009. Organizer and moderator of the session at GeoSummit: An International Symposium on Teaching and Learning in Geography, San Marcos, TX.

"Geography: Teaching With the Stars." 2008. Paper read at the National Geographic Society sponsored conference on "Spatial Intelligence," Washington, DC.

"The Alumni Business Card Directory: An Effective Recruiting Tool." 2008. With Judy Behrens. Paper read at the annual meeting of the Applied Geographers, Wilmington, DC.

"Geography: Teaching with the Stars." 2008. With Alan Backler, Judy Behrens, Cheryl Frazier, Audrey Mohan, and Stephen Tsikalas. (2008) Presentation made at the National Council for Geographic Education Conference, Dearborn, MI.

"The Best of Both Worlds: Integrating History and Geography Instruction." 2008. With Judy Behrens. Presentation made at the National Council for the Social Studies Conference, Houston, TX.

"Geography in the Public School System: Nineteenth Century Antecedents." 2008. With Zachary Moore Paper read at the annual meeting of the Association of American Geographers, Wilmington, DE.

"On the Education of an Applied Geographer." 2007. With Audrey Mohan. Paper read at the annual meeting of the Applied Geography Conference, Indianapolis, IN.

"Assessing the Validity of a Core Curriculum in Applied Geography." With Audrey Mohan. (2006). Paper read at the Commission on Applied Geography of the IGU, Brisbane, Australia.

"Overview of the Summer Academy for Minority Scholars Program," 2005. Invited paper by the Social Science Education Council at the Annual Meetings of the National Council for the Social Studies, Kansas City, MO.

"The North American Curriculum in Applied Geography and Regional Science," 2005. With Audrey Mohan. Invited paper by the Applied Geography Commission of the International Geographical Union. Paper read at the North American Meetings of the Regional Science Association International, Las Vegas, NV.

"The Changing Face of Geographic Education," paper read at the annual meeting of the Louisiana Council for the Social Studies, Lafayette, Louisiana, November 2004.

"National Standards and Social Studies Education," Keynote address given at the annual meetings of the New Mexico Council for the Social Studies, Albuquerque, New Mexico, October 2004.

"Round Two: Standards Writing and Implementation in the Social Studies," (with D. Rutherford), paper read at the meetings of the National Council for Geographic Education, Kansas City, Missouri, October 2004.

“Plying Our Trade: A Core Curriculum in Applied Geography,” paper read at the annual meeting of the Applied Geography group, St. Louis, Missouri, October 2004.

“A Tribute to Gilbert M. Grosvenor of National Geographic Society,” Keynote address given at the All-Texas Geography Conference annual meeting, San Antonio, Texas, September 2004.

“Plying Our Trade: A Core Curriculum in Applied Geography,” Keynote address at the Commission on Applied Geography, International Geographical Congress, Glasgow, Scotland, August 2004.

“A Framework for Combining U.S. History and Geography,” (with D. Rutherford), session at the annual meeting of the National Council for the Social Studies, PLACE, November 2003.

“The Nature and Scope of Geography in the Schools: A Preliminary Interpretation,” (with D. Rutherford and E. Foster), paper read at the annual meeting of the Applied Geography group, PLACE, November 2003.

“Standards Implementation,” session at the annual meeting of the National Council for Geographic Education, Salt Lake City, Utah, October 2003.

“Problem Solving in the Social Studies: Get Your Students Involved,” paper read at the 38th Conference of Virginia Social Studies Educators, Richmond, Virginia, November 2002.

“A Model for Teaching Geography in U.S. History Courses,” (with D. Rutherford), paper read at the meetings of the National Council for Geographic Education, Philadelphia, Pennsylvania, October 2002.

“Commonalities in World History/World Geography,” (with D. Rutherford), paper read at the meetings of the Texas Council for the Social Studies, Austin, Texas, October 2002.

“Problem-Solving Model for Teaching Social Studies,” paper read at the 33rd Northeast Regional Conference on the Social Studies, Boston, Massachusetts, March 2002.

“Geography’s 5 Themes, Six Essential Elements and the North Carolina Standard Course of Study,” paper presented at the North Carolina Council for the Social Studies, Greensboro, North Carolina, February 2002.

“Summer Geography Academy for Minority Scholars,” (with L. Estaville), paper presented at the 13th annual Geo-Tech Conference in Dallas, Texas, January 2002.

“A Scope and Sequence in Geographic Education, K-12,” (with B. Yingling, B. Webb, and J. Stoltman), presentation at the annual meeting of the National Council for Social Studies in Washington, D.C., November 2001.

“A Model for Geography Department Recruitment of Minority Students” (with L. Estaville), paper read at the annual meeting of the Applied Geography group in Fort Worth, Texas, November 2001.

"A Joint Geography/History Model for Teaching U.S. History," (with D. Rutherford and E. Foster), paper read at the annual meeting of the Texas Council for Social Studies in Galveston, Texas, October 2001.

"Standards-Based Social Studies," invited speech at the annual conference of U.S. DoDEA in New Hampshire, July 2001.

"The Health of the Discipline: Department Indicators," (with L. Estaville and a panel of R. Abler, J. Adams, P. Gober, G. Hausladen, and T. Small), paper read at the annual meetings of the Association of American Geographers in New York City, March 2001.

"World Geography and World Cultures: Issues and Problem Solving," paper read at the Friends of Geography (FOG) Conference in Houston, Texas, February 2001.

"World Geography: Teaching About the Environment Using Problem-Solving Approaches," paper read at the GeoTech Conference in Dallas, Texas, January 2001.

"Combined Geography and History Teaching in U.S. and World History Courses," paper read at the annual meeting of the National Council for Social Studies in San Antonio, Texas, November 2000.

"A Scope and Sequence in Geographic Education, K-12," presentation made for the Chief State Social Studies Specialists at the annual meeting of the National Council for Social Studies in San Antonio, Texas, November 2000.

"World Geography: Big Issues and Problem Solving," workshop given at the annual meeting of the Texas Council for Social Studies in Grapevine, Texas, October 2000.

"World Geography: Big Issues and Problem Solving," workshop given at the 11th Annual GeoTech Conference in Dallas, Texas, April 2000.

"World Geography: Big Issues and Problem Solving," paper read at the annual meeting of the Friends of Geography in Galveston, Texas, February 2000.

"A Proposed Scope and Sequence in Geographic Education, Grades K-12" (with others), panel session at the annual meeting of the National Council for Geographic Education, Boston, Massachusetts, November 1999.

"Human-Environment Interaction in Russia: A Lesson Plan," paper read at the 33rd annual conference of the Louisiana Council for the Social Studies, Lafayette, Louisiana, September 1999.

"Faculty Attitudes About a Common Course Curriculum in Introductory Geography Courses," paper read at the International Conference on Research in Geographic Education, San Marcos, Texas, May 1999.

"Big Issues and Problem Solving: Using the Five Themes to Teach World Geography and World Cultures," paper read at the meeting of the Texas Council for the Social Studies, Dallas, Texas, September 1998.

"The First Assessment: Research in Geographic Education" (with J. Petersen), workshop at the annual meeting of the National Council for Geographic Education, Orlando, Florida, October 1997.

"NAFTA and Maquiladores: A Social Studies Lesson" (with D. Blanchard Boehm), paper and discussion at the meeting of the Texas Council for the Social Studies, Corpus Christi, Texas, September 1997.

"Using the Five Themes to Teach the Geography of Russia and the Eurasian Republics," paper presentation at the annual Geo-Tech conference, Bishop Dunne High School, Dallas, Texas, March 1997.

"Regions and Boundaries: Teaching History and Geography" (with J. Petersen), paper read at the meeting of the Texas Council for the Social Studies, Houston, Texas, October 1996.

"Using the Five Themes to Teach Middle-School World Geography," paper presented at the meeting of the Pennsylvania Council for the Social Studies, Carlisle, Pennsylvania, October 1996.

"Five Themes and National Standards: Opportunities for Interdisciplinary Teaching," paper presented at the 8th annual Geo-Tech conference, Bishop Dunne High School, Dallas, Texas, March 1996.

"An Introduction to Geography for Life, National Standards in Geography," (with J. Marran), presented at the annual meeting of the Association of American Geographers, Chicago, Illinois, March 1995.

"Barriers to Effective Pre-Service Teacher Training in Geography," paper read at the annual meeting of the Association of American Geographers, San Francisco, California, April 1994.

"Teaching Human Environment Interactions: A Fundamental Theme in Geography" (with others), paper and workshop given at the annual meeting of the National Council for the Social Studies, Phoenix, Arizona, November 1994.

"The National Geography Education Standards" (with S. Bednarz), paper read at the meeting of the Texas Council for the Social Studies, San Antonio, Texas, October 1993.

"The Regions of Texas: How Many, Where They Are and How We Can Use Them to Teach," paper presented at the meeting of the Texas Council for the Social Studies, Houston, Texas, October 1992.

"The Five Fundamental Themes: Interdependence Between School and University Geography" (with J. Petersen), paper given at the International Geographical Union's Commission on Geographical Education meeting held in Boulder, Colorado, August 1992.

"Strategies for Improving Departmental Health at the Undergraduate Level," paper read at the annual meeting of the Association of American Geographers, Miami, Florida, April 1991.

"Discovery and Exploration Before the Age of Discovery and Exploration," (with J. Petersen), workshop at the annual meeting of the National Council for the Social Studies, Washington, DC, November 1991.

"Using the Five Themes to Teach World Regional Geography," paper read at the annual meeting of the National Council for Geographic Education, Williamsburg, Virginia, November 1990.

"The Five Themes: A Useful Framework for Teaching Geography," paper presented at the annual meeting of the Association of American Geographers, Toronto, Canada, April 1990.

"Strengthening Geography in the Social Studies Curriculum," presentation at the annual meeting of the National Council for the Social Studies, Orlando, Florida, November 1988.

"Internationalizing the K-6 and 7-12 Curricula via Fundamental Themes in Geography," presentation at the annual meeting of the National Council for the Social Studies, Dallas, Texas, November 1987.

"The Texas Alliance for Geographic Education" (with N. Lehmann-Carsow), paper read at the annual meeting of the National Council for the Social Studies, November 1987.

"The Municipal Response to Urban Sprawl in the Central Texas I-35 Corridor" (with S. Visser and R. Larsen), paper given at the annual meeting of the Association of American Geographers, Detroit, Michigan, 1985.

"Growth in the South Texas I-35 Corridor" (with S. Visser), paper read at the annual meeting of the Association of American Geographers, Denver, Colorado, 1983.

"Predicting Cotton Export Hinterlands in Texas," paper presented at the national meeting of the Association of American Geographers, San Antonio, Texas, April 1982.

"Geographic Aspects of Solid Waste Disposal: The Texas Case," workshop led at the national meeting of the National Council for Geographic Education, Pittsburgh, Pennsylvania, October 1981.

"Beyond Analysis in Applied Geography: Writing to Influence Policy Decisions," paper offered at the 4th Annual Conference on Applied Geography, Phoenix, Arizona, September 1981.

"Mapping Single-Product Export Hinterlands," paper read at the annual meeting of the Association of American Geographers, Los Angeles, California, 1981.

"The Changing Concept of Port Hinterland," paper presented at the annual meeting of the Association of American Geographers, Louisville, Kentucky, April 1980.

"The Geography of Crime and Delinquency," invited paper read at East Carolina University, March 1980.

"The Houston-Galveston Rivalry for the Texas Cotton Export Trade," paper read at the annual meeting of the Association of American Geographers, Philadelphia, Pennsylvania, 1979.

"Changing Fortunes of Texas Cotton Ports," paper given at the annual meeting of the Association of American Geographers, New Orleans, Louisiana, 1978.

Organized and directed workshop in Environmental Education for secondary teachers at the National Council for Geographic Education meeting, St. Louis, Missouri, November 1977.

"The Geographic Assignment of Detention Facilities in an Eight- County Area of Southern Pennsylvania: A Linear Programming Approach," paper presented to the meeting of the Southwest Division of the Association of American Geographers, Dallas, Texas, 1971.

"The Problems of Urbanization," paper presented at the annual meeting of the National Council for Geographic Education, Detroit, Michigan, 1970.

"Regionalizing and State Boundaries: A Factor Analytic Approach" (with others), paper read at the meeting of the Southwest Division of the Association of American Geographers, Dallas, Texas, 1968.

2. Invited Talks, Lectures, and Presentations:

Invited Keynote Speaker at the Comprehensive Academic Annual Conference held at Henan University (2015). Presentation title, "Enriching Science, Technology, Engineering and Math (STEM) Education with Geospatial Technology." Henan Province, China.

Organized and chaired a session on "Developing Research Priorities in geographic Education, with Particular Reference to Possible Transatlantic Collaboration. (2008) Held at University of London Institute for Education. London, UK.

Invited participant in the National Geographic Society's seminar on "Spatial Intelligence," November 2008.

Organized and lectured in the National Council for the Social Studies "Vital Issues Session" titled Environmental Citizenship: Implications for Teaching and Learning. (2007) San Diego, CA.

Evaluation in a Discipline: The Rise of Applied Geography" (2006) Invited paper given as the Area of Geographical Sciences Distinguished Lecture. Universidad de La Serena, La Serena, Chile.

"A Scope and Sequence in Geographic Education, K-12," invited agenda paper read at the meetings of the National Council for Geographic Education in Chicago, Illinois, August 2000.

"The Five Themes of Geography: A Useful Framework for Core Knowledge," lecture given at the annual conference of the Core Knowledge Foundation, Atlanta, Georgia, March 1998.

"Research in Geographic Education," speech for Geography Awareness Week at the University of Kentucky, November 1997.

"I Love Geography, But What Can I Do With It?," speech for Geography Awareness Week at Eastern Kentucky University, November 1997.

"Careers in Geography," given at Career Day in the geography department of the University of Missouri-Columbia, October 1997.

"National Standards in Geography: What They Are and What They Are Not," luncheon speech given at the joint meetings of the Pennsylvania Geographical Society and the Pennsylvania Council for the Social Studies, Carlisle, Pennsylvania, October 1996.

"The National Reform Movement in Geography," for the Ti-In Network (educational television), Pro-Talk, February 1996.

"Emergent Dreams and Reality: The Road to National Standards in Geography," speech given for the Presidential Seminar, Texas State University-San Marcos, San Marcos, Texas, April 1995.

"Human Environmental Relations: Issues and Opportunities for Social Studies Teachers," General Session Brunch at the meeting of the Texas Council for Social Studies, El Paso, Texas, October 1994.

"National Standards: Planning Ahead, Looking Behind," luncheon speech given to a group of social studies supervisors at the meeting of the National Council for Geographic Education, Lexington, Kentucky, October 1994.

"The National Reform Movement in Geographic Education," at the national meeting of Rand McNally, Miami, Florida, July 29, 1993.

"The Death of Geographic Illiteracy," speech at the fall dinner of the Delaware Valley Geographical Association, West Chester, Pennsylvania, November 1992.

"Renaissance in Geography: Challenges, Opportunities, and Prospects," speech given at East Carolina University, Greenville, North Carolina, December 1991.

"A Road Shrouded in Fog: Pre-Service Teacher Education in Geography," plenary speech delivered at the annual meeting of the National Council for Geographic Education, St. Paul, Minnesota, October 1991.

"National Trends in Geographic Education," speech delivered at the South Dakota State University 22nd annual conference on geography, Brookings, South Dakota, February 1991.

"The Historians Responsibility to Geography," speech presented at the California Council for the Social Studies, March 1989.

"Geography: A National Necessity," given as part of the Arts and Science Week celebration at the University of Missouri-Columbia, February 1989.

"Comments on Why Children Are Not Learning and What We Can Do About It," given at the annual conference of the Alabama Council for the Social Studies, February 1988.

"Illusions," presented to the Geography Awareness Week Conference at Weber State College, Ogden, Utah, March 1985.

"The Texas I-35 Growth Corridor," delivered during Arts and Science Week at Weber State College, Ogden, Utah, Fall 1984.

3. Consultancies:

Senior Geography Consultant for Texas and Texans (2015) Glencoe, McGraw-Hill.

Consultant for Educational Testing Service (with Audrey Mohan) (2007). Critically evaluated 326 maps for use by the Texas Education Agency on the Texas Assessment of Knowledge and Skills test.

"Geography for Students" (2006) 6 DVDs. Philadelphia, PA: Schlesinger Media.

"K-4 United States Geography Series," 12 ETV programs, Philadelphia, Schlesinger Media, 2004.

"Geography, History and the Social Studies." Workshop at Region 4 Educational Service Center, Houston, Texas, December 2001.

Served as consultant to Educational Testing Service, Princeton, New Jersey, for the National Assessment of Educational Progress in Geography, June 2001.

Consultant for the United States Department of Defense Dependent Schools, three-day workshop entitled "Problem Solving in Geographic Education" held in Vicenza, Italy, October 2000.

Consultant for Educational Testing Service (ETS). Preparation and review of questions to be used on the National Assessment of Educational Progress (geography), Princeton, New Jersey, June 2000.

Consultant for the United States Department of Defense Dependent Schools, three-day workshop entitled "Problem Solving in Geographic Education" held in Sevilla, Spain, March 2000.

Consultant for Educational Testing Service (ETS). Preparation and review of questions to be used on the National Assessment of Educational Progress (geography), Princeton, New Jersey, February 2000.

Consultant for the United States Department of Defense Dependent Schools, three-day workshop on problem-solving in the social studies held in Istanbul, Turkey, November 1999.

Consultant for Miami University of Ohio. Program review of their Department of Geography, November 1999.

Consultant for Educational Testing Service (ETS). Preparation and review of questions to be used on the National Assessment of Educational Progress (geography), Princeton, New Jersey, April 1999.

Consultant for the Casados Group of Santa Fe, New Mexico on a Fordham Foundation funded grant to measure the effectiveness of geography standards in the school curricula of all states in the United States, April 1997-1998.

Consultant for the University of Nevada-Reno. Program review of their Department of Geography, April 1997.

Consultant for the United States Department of Defense Dependent Schools, three-day workshop on applied geography held in Istanbul, Turkey, December 1996.

Consultant for The National Faculty, three-day workshop on geography and interdisciplinary studies, Farmington, Missouri Independent School District, February 1996.

Consultant for the Ti-In Network (A Division of Wescott Communications, Inc.), "World Geography," Summer 1995.

Consultant for Educational Testing Service, The National Assessment of Educational Progress, Princeton, New Jersey, April 6-7, 1995.

Consultant for Northeastern State University. Program review of the geography section of the College of Social and Behavioral Sciences, Tahlequah, Oklahoma, March 9-10, 1995.

Consultant and author for Harcourt-Brace School Publishers for their elementary social studies program, 1994-present.

Consultant for The College Board, New York, on the development of a high school pacesetter program in World History, 1994-1995.

Consultant for The National Faculty for a two-week interdisciplinary in-service teacher training institute at the University of Mississippi, Oxford, Mississippi, 1994.

Consultant for The National Faculty, Atlanta, Georgia, for teacher training workshops as part of their Delta Academy, Vidalia, Louisiana, 1994.

Consultant for The National Faculty, Atlanta, Georgia, for teacher training workshops as part of their Delta Academy, Yazoo City, Missouri, 1994.

Consultant for The National Faculty, Atlanta, Georgia, for teacher training workshops as part of their Delta Academy, Murray, Kentucky, 1994.

Consultant for two educational television programs on the national reform movement in geographic education for the South Carolina Educational Television Network, February 1994.

Consultant for the National Geographic Society Education Foundation as a member of their Pre-Service Education Advisory Group, March 24-25, 1993.

Geographic education consultant for The National Faculty, Boston Public Schools, Boston, Massachusetts, January 29-30, 1993.

Senior Geography Consultant for Texas and Texans. Westerville, Ohio: Glencoe-Macmillan/McGraw-Hill, 1993.

Educational consultant for the American Geographical Society series "Around the World," New York, 1992-1994.

Educational consultant for the United States Department of Defense Dependent Schools, three-day workshop in Bad Kissingen, Germany, May 1992.

Standards consultant for the National Council on Education Standards and Testing (NCEST).

Assessment consultant for the Council of Chief State School Officers. Geography Framework for National Assessment of Education Progress (NAEP), 1992.

Curriculum consultant for AT&T on their Long-Distance Learning Network program, 1990.

Educational consultant for the United States Department of Defense Dependent Schools, three-day workshop in Bad Mergentheim, West Germany, May 1990.

Consultant for the American Express "Geography Takes You Places" competition, 1990.

In-service teacher training workshops during 1990 in Dallas, Houston, Galveston, Odessa, and Ysleta, Texas for their respective Independent School Districts (ISD).

Six two-day utilization workshops in "Global Geography," a ten-program educational television series for the Agency for Instructional Technology, October- December 1988.

Two-day workshop in geographic education for the El Paso Independent School District. Funded by Macmillan Publishers, August 1988.

Editorial consultant on Geo-Whiz for the National Geographic Society's Books for World Explorers, 1988.

In-service workshop in geographic education for the Schertz-Cibolo-Universal City Independent School District, Texas, August 1987.

In-service workshop in geographic education for the Northeast School District, San Antonio, Texas, August 1986.

Educational consultant for Midwestern State University for "A Workshop in Geographic Education," Wichita Falls, Texas, July 6-7, 1986.

Educational consultant for the U.S. Department of Defense Schools, Southern Region, Germany, "Methods for Teaching Geography." Course taught in Wiesbaden, West Germany, December 1985.

Evaluation consultant for National Evaluation Systems in preparation of the Examination for the Certification of Educators in Texas (Geography), 1985-1986.

Program consultant for the Agency for Instructional Technology for the development of "Global Geography," an educational television series, 1985-1987.

Editorial consultant for National Geographic Society for the development of "Mexico," a 16mm film, 1985-1986.

Educational consultant for U.S. Department of Defense Dependent Schools, Southern Region, Germany, "The Geography of Latin America." Course taught in Erding, West Germany, June 1984.

Educational and program consultant for the School of Social Sciences, Weber State University, Ogden, Utah, 1984.

Feasibility consultant for Vanguard Southwest in evaluating the location and feasibility of a 126-unit apartment complex in San Marcos, Texas, 1983.

Educational consultant for U.S. Department of Defense Dependent Schools, Southern Region, Germany, "Teaching Geography, Grades K-9." Course taught in Erding, West Germany, August 1983.

Editorial and media consultant for Encyclopedia Britannica Educational Corporation, 1980-present.

Program design consultant for Project MORE, a multi-media project on solid waste disposal and management in Texas, Texas State University-San Marcos, San Marcos, Texas, 1980.

Program consultant in Peer Group Counseling for "Juvenile Delinquency Prevention for the School Community," Texas State University-San Marcos, San Marcos, Texas, Summer 1979 and Summer 1980.

Evaluation consultant for Berrien County, Michigan Peer Group Counseling Project. Funded through the Michigan Office of Criminal Justice, 1976-1978.

Technical assistance consultant for the Missouri Juvenile Justice Association in the preparation of the Status Offender Survey, funded by the Missouri Council on Criminal Justice, 1976.

Proposal development consultant for the Cheyenne, Wyoming Office of Youth Alternatives, February 1976.

Named Juvenile Justice Respondent for Missouri by the National Center for Juvenile Justice, Pittsburgh, Pennsylvania, 1976.

Technical assistance consultant for the Missouri Juvenile Officers Association, Comprehensive Survey of Status Offenders and Juvenile Detention in Missouri, 1975, Jefferson City, Missouri, 1976.

Location consultant for Ashley-Garza-Humphries Associates report on "Adult Detention Program Design," Hidalgo County, Texas, 1973.

Systems analyst consultant for "Systems Analysis and Evaluation of Youth Service Bureaus in Rock Island and Henry Counties, Illinois, 1973" for the National Council on Crime and Delinquency.

Consultant on "Spatial Efficiency Within the Juvenile Justice System" for National Council on Crime and Delinquency, Hoboken, New Jersey, 1970-1974.

"The Geographic Assignment of Detention Facilities and Services in an Eight-County Area in Southern Pennsylvania," Appendix I in National Council on Crime and Delinquency survey of detention needs in southern Pennsylvania, 1970.

4. Workshops:

Organized and hosted the Grosvenor Center early careers research workshop: Powerful Geography. San Marcos, TX, August 2017.

Organized and hosted a workshop about Powerful Geography. San Marcos, TX, June 2017.

Organized and hosted the Grosvenor Center Early careers research workshop: Validating Geospatial Thinking in Modules: An Analytical Approach by Early Career Scholars. Lafayette, LA., May 2016.

Organized and hosted the Grosvenor Center Early careers research workshop: Validating Geospatial Thinking in an RMT: An Analytical Approach by Early Career Scholars. San Marcos, TX, June 2015.

Organized and hosted the Grosvenor Center Early careers research conference: Road Map for 21st Century Geography Education. Washington, D.C., October 2014.

May 2011. Organized and hosted the Gilbert M. Grosvenor Center for Geographic Education program "Early Career Scholars in Geographic Education: A Research Symposium," held in Lafayette, LA. Participants include 8 "early career" researchers, and 10 senior scholars.

April 2010 Organized and hosted the Gilbert M. Grosvenor Center for Geographic Education program "Early Career Scholars in Geographic Education: A Research Symposium," held at National Geographic Society headquarters. Participants include 12 "early career" researchers, and 7 senior scholars.

Boehm, Richard. (2009) "Geography: Teaching with the Stars." Organizer and moderator of session at GeoSummit: An International Symposium on Teaching and Learning in Geography, San Marcos, TX.

Boehm, Richard, Stoltman, Joseph, and Don Albert. (2009) "Publishing in Academia." Organizer and moderator of session at GeoSummit: An International Symposium on Teaching and Learning in Geography, San Marcos, TX.

5. Other:

C. Grants and Contracts

Total of grants, contracts, endowments and endowment proceeds is approximately \$9.2 million.

1. Funded External Grants and Contracts:

“A Capabilities Approach to Teacher Education in Geography.” National Science Foundation. Amount Requested \$2,692,623. Submitted 2017. UNDER REVIEW.

“GO West.” Texas Higher Education Coordinating Board. Amount Requested \$48,775. Submitted 2017. UNDER REVIEW.

“Powerful Geography Online.” Department of Education. Amount Requested \$1,505,334. Submitted 2017. UNDER REVIEW.

“Project GO (Geography Online).” Texas Higher Education Coordinating Board. Amount funded \$40,000. January 16, 2017 – December 31, 2017.

National Science Foundation Award for Texas State University and American Association of Geographers funded project, Research Coordination Network. \$400,000 for five years. (Texas State portion \$50,000 per year)..

Iowa Geographic Alliance \$10,000 (2016)

“Validating Geospatial Thinking in Modules: An Analytical Approach by Early Career Scholars.” May 2016. Workshop funded by Grosvenor Center.

“Validating Geospatial Thinking in an RMT: An Analytical Approach by Early Career Scholars.” June 24-25, 2015. Workshop funded by Grosvenor Center.

RAPID Research. \$200,000 (Texas State portion \$120,000). 2015. Funded by National Science Foundation. Co-PI, Richard G. Boehm

Operating grant for the Grosvenor Center. \$25,000. Funded by Communities Foundation of Abilene.

Operating grant for the Grosvenor Center. \$25,000. Funded by Leggett Foundation (Abilene).

Operating grant for the Grosvenor Center. \$50,000 for two years. Funded by Sid Richardson Foundation.

Operating grant for the Grosvenor Center. \$20,000 per year for five years (total \$100,000) Funded by Jesse & Betty Luxton.

Operating grant for the Grosvenor Center. \$20,000 per year for five years (total \$100,000) Funded by Michael Young.

“Building Capacity for Learning Progressions Research in Geography.” 2013-2016. Funded by National Science Foundation. Subaward to Texas State in the amount of \$100,170. Co-PI Richard G. Boehm.

Evaluator with Carmen Brysch of NSF funded grant concerning “Capabilities and Transatlantic Collaborations: A Professional Development Project.” P.I. Michael Solem of the Association of American Geographers. \$8,000.

Iowa Geographic Alliance \$10,000 (2014)

“Reading the Road Map: Advancing the Research Capabilities of Early Career Scholars in Geography Education.” October 14, 15, 2013. Workshop funded by Grosvenor Center Grant, \$30,000.

“Tidewaters” 4th program in the Geography: Teaching with the Stars professional development series. \$178,000. Funded by the Harte Research Institute, Texas A&M Corpus Christi.

Iowa Geographic Alliance \$2,780 (2013)

Iowa Geographic Alliance \$10,000 (2012)

Texas Fund for Geographic Education \$31,000 (2012)

Texas Fund for Geographic Education \$30,300 (2011)

Sid W. Richardson Foundation \$25,000 (2011)

Harte Research Institute-Texas A&M Corpus Christi, “Headwaters to Oceans” professional development program in “Geography: Teaching with the Stars”, \$156,850 (2011)

National Geographic Society Education Foundation (TAGE Operating and Planning), \$90,000 (2010)

State of Texas, \$50,000 for the Texas Alliance (2010)

Dodge Jones Foundation, \$50,000 (2010)

Sid W. Richardson Foundation, \$25,000 (2010)

River Systems Institute, \$25,000 (2010)

Texas Fund for Geographic Education, (2 grants for a total of \$67,000) (2010)

U.S. Department of Agriculture, \$251,409 for “Water and Food Production” program in “Teaching with the Stars.” (2010)

NGS Education Foundation (Grosvenor Scholar Program), \$64,233, 5/28/2010-8/31/2011

U.S. Department of Agriculture (through National Resources Conservation Service). (9/11/2009-9/10/2010) \$253,800 Support for the Geography: Teaching with the Stars Watershed Education Program.

Texas Alliance for Geographic Education, State of Texas. (9/01/08-8/31/09) \$50,000.

Texas Alliance for Geographic Education, State of Texas. (9/01/09-8/31/10) \$50,000.

National Geographic Society. (5/01/08-12/31/2009) \$78,586 Support for the 2008-2009 Grosvenor Scholar Program.

National Geographic Society. (7/21/2009-7/31/2010) \$72,550 Support for the 2009-2010 Grosvenor Scholar Program.

Association of American Geographers. (9/01/2008-9/30/2009) \$6,000 Support for Teaching Modern Geography.

National Geographic Society. (11/01/2008-4/30/2010) \$15, 317 Support for the Grosvenor Center for Geographic Education.

National Geographic Society. (11/01/2008-4/30/2010) \$150,000 Support for the Texas Alliance Operating Funds.

National Council for Geographic Education. (12/01/2008-6/30/2009) \$6,000 Support for the 2008-09 Geographic Education Graduate Intern.

National Council for Geographic Education. (6/01/2009-5/31/2010) \$8,000 Support for the 2009-10 Geographic Education Graduate Intern.

National Geographic Society. (2/17/2009-1/01/2010) \$39,957 No Teacher Left Behind.

National Geographic Society. (2/17/2009-1/1/2010) \$27,703 Support for the Geography Summer Academy.

National Geographic Society. (2/17/2009-12/31/2009) \$115,300 Support for the Teaching with the Stars prototype program on Globalization. Grosvenor Center.

National Geographic Society. (10/02/2009-11/01/2010) \$23,000 for 2009-2010 Alliance Planning.

National Geographic Society. (10/02/2009-11/01/2010) \$13,162 Support for the Grosvenor Center for Geographic Education.

National Geographic Society. \$47,000. (12/16/2009-12/31/2010) \$47,000 Expanding Texas Geographic Education Leadership Network.

National Geographic Society. (12/16/2009-12/31/2010) \$30,543 On the Road with Geography Education: Geography Summer Academy for High School Scholars.

National Geographic Society. (12/16/2009-12/31/2010) \$37,018 Texas 2009/2010 Alliance Program Grant.

National Geographic Society Education Foundation and Central Michigan University (02/05/07-12/31/08) \$38,000 Support for the Joint History and Geography teaching project.

National Geographic Society Education Foundation (11/01/08-10/31/09) \$15,317 Support for the Grosvenor Center for Geographic Education.

National Geographic Society Education Foundation (11/01/08-10/31/09) \$150,000 Support for the Texas Alliance for Geographic Education. A continuation of “funded grants, see section C.1 funded external grants and contracts.”

National Geographic Society Education Foundation (8/1/08-7/31/08) \$74,000 Grosvenor Scholar

Texas Fund for Geographic Education (Fall 2008) \$28,000 Support for the summer training programs in 2009

Texas Fund for Geographic Education (Fall 2008) \$39,000 Support for the summer training programs in 2009

National Council for Geographic Education and Association of American Geographers (8/1/08-5/31/09) \$12,000 Geographic Education Intern

National Geographic Society Education Foundation and Central Michigan University (2/5/07-12/31/08) \$38,000 Support for the Joint History and Geography teaching project

National Geographic Society Education Foundation (11/1/08-10/31/09) \$16,500 Support for the Grosvenor Center for Geographic Education

National Geographic Society Education Foundation (12/1/07-8/31/08) \$20,000 Support for Why Geography is Important project

National Geographic Society Education Foundation (11/01/08-10/31/09) \$150,000 Support for Texas Alliance for Geographic Education

National Geographic Society Education Foundation (8/1/07-7/31/08) \$66,447 Grosvenor Scholar

National Geographic Society Education Foundation (8/1/06-7/31/07) \$64,255 Grosvenor Scholar

State of Texas (9/1/06-8/31/07) \$44,964.00 to support activities of the Texas Alliance for Geographic Education (TAGE)

National Geographic Society Education Foundation (9/1/06-8/31/07) \$50,000 Support for Texas Alliance for Geographic Education.

National Geographic Society (9/1/06-8/31/07) \$10,196 Support for Grosvenor Center for Geographic Education

Sid W. Richardson Foundation (6/1/05-2/28/07) \$120,000 to support the Grosvenor Center for Geographic Education

Memorandum of Agreement, Sustainable Agricultural Water Conservation in the Rio Grande River Basin K-12 Curriculum Materials (9/1/05-8/30/07) \$33,575

The Geography and History Project: Developing a National Resource Base (subcontract with Central Michigan University-part of \$200,000 National Geographic Model Grant Project) (2/5/07-12/31/08) \$34,200

Frost Bank International Travel Scholarship (May 07) \$500

NCGE International Travel Scholarship (May 07) \$1000

National Geographic Society Education Foundation (9/1/05-8/31/06) \$56,365 Grosvenor Scholar

National Geographic Society Education Foundation (9/1/05-8/31/06) \$40,000 Grosvenor Scholar

National Geographic Society (9/1/05-8/31/06) \$32,300 Promoting Geographic Literacy in Texas-Education Network

National Geographic Society, (9/1/05-8/31/06) \$17,691 Promoting Geographic Education in Texas-Education Endowment

Memorandum of Agreement, Sustainable Agricultural Water Conservation in the Rio Grande River Basin K-12 Curriculum Materials (9/1/05-6/30/06) \$33,575

State of Texas (9/1/05-8/31/06) \$43,700 to support activities of the Texas Alliance for Geographic Education (TAGE)

Sid W. Richardson Foundation (2004) \$80,000 to support the operations of the Gilbert M. Grosvenor Center for Geographic Education (5/1/04-4/30/05)

National Geographic Society Education Foundation Grant (1/15/04-1/14/05) \$58,393 Through TAGE: Teacher-Generated Materials for Joint History/Geography Teaching and learning

National Geographic Society (7/1/05-12/31/05) \$16,585 Texas Supplemental Geography Education Fund

National Geographic Society (9/1/04-8/31/05) \$54,153 Grosvenor Scholar

Texas Alliance for Geographic Education (2004) \$50,000 from the State of Texas

National Geographic Society Education Foundation (2004) \$63,106 to support "Navigating the GeoSpatial Highway"

Texas Fund for Geography Education (2004) \$35,933 to support Summer Academy for Minority Scholars

Texas Fund for Geography Education (2004) \$9,880 to support GIS Training for Teachers and Students

Grosvenor Scholars Program (2003) \$500,000 from the National Geographic Society Education Foundation, and \$420,000 (2004) from the Roy F. and JoAnn Cole Mitte Foundation (with others)

Texas Alliance for Geographic Education (2003) \$43,700 from the state of Texas

Texas Alliance for Geographic Education (2002) \$50,000 from the state of Texas and \$25,000 from the National Geographic Society Education Foundation

National Geographic Society Education Foundation (2001-2003) \$15,000 to support Geography Summer Academy for Minority Scholars

Texas Workforce Commission (2001-2003) \$293,000 to support "Enhancing Technology Skills in the Classroom," a technology training program for Texas high school teachers

Texas Alliance for Geographic Education (2001) \$100,000 from the state of Texas and the National Geographic Society Education Foundation

Sid W. Richardson Foundation (2000-2003) \$200,000 to support the operations of the Gilbert M. Grosvenor Center for Geographic Education

Texas Alliance for Geographic Education (2000) \$100,000 from the state of Texas and the National Geographic Society Education Foundation

Texas Alliance for Geographic Education (1999) \$100,000 from the state of Texas and the National Geographic Society Education Foundation

Fordham Foundation (1999). \$23,000 to support "Joint History/Geography Education: A Meaningful Relationship."

National Geographic Society Education Foundation (1999) \$8,600 Support for "GIS Training for Teachers" Joint project with ESRI

National Geographic Society Education Foundation (1999) \$152,700 Support for "A Scope and Sequence in Geographic Education, Grades K-12"

Sid W. Richardson Foundation (1998-2000) \$200,000 to support the operations of the Gilbert M. Grosvenor Center for Geographic Education

Texas Alliance for Geographic Education (1998) \$100,000 from the state of Texas and the National Geographic Society Education Foundation

"Effectively Using GIS in the Classroom" (1997-1998) \$34,392 Support a summer institute for teachers in the use of GIS. Funding provided by the National Council for Geographic Education, Geographic Education National Implementation Project, and the National Geographic Society Education Foundation.

Rand McNally and Co. (1997) \$3,000 to support the publication of the papers from the First Assessment Conference

Sid W. Richardson Foundation (1997) \$20,000 to support the conference "First Assessment: Research in Geographic Education," held in San Marcos, Texas, May 1997

Texas Alliance for Geographic Education (1997) \$100,000 from the state of Texas and the National Geographic Society Education Foundation

Texas Alliance for Geographic Education (1996) \$90,000 from the state of Texas and the National Geographic Society Education Foundation

Texas Endowment for Geographic Education (1995) \$200,000 from the state of Texas
Now a permanent endowment located at Texas State University. Funds to be used to benefit geographic education in the State of Texas

Texas Alliance for Geographic Education (1995) \$150,000 from various sources, including the National Geographic Society Education Foundation, the state of Texas, and the Sid W. Richardson Foundation

\$26,500 to support Summit II in Geographic Education (May 1995). Funding from Geographic Education National Implementation Project, National Council for Geographic Education, Association of American Geographers, Rand McNally Co., Holt, Rinehart, and Winston, ESRI, Intergraph Corporation, and Encyclopedia Britannica Education Corporation.

Texas Alliance for Geographic Education (1994) \$177,000 from various sources, including the National Geographic Society's Education Foundation, the state of Texas, Sid W. Richardson Foundation, and the Central and South West Corporation.

\$52,000 for The San Marcos Summit in Geography Education (1993). Funding from various sources, including the National Geographic Society Education Foundation, the National Council for Geographic Education, Geographic Education National Implementation Project, and an anonymous foundation in Dallas, Texas.

\$132,000 for the Texas Alliance for Geographic Education (1993). Funding from various sources, including the National Geographic Society, the state of Texas, and the Sid W. Richardson Foundation.

Texas Alliance for Geographic Education (1992). Raised \$165,500 from private and state sources to support the various educational activities of the Texas Alliance. Sources of funds include the Sid W. Richardson Foundation, National Geographic Society, the state of Texas, the Harris and Eliza Kempner Foundation, the Strake Foundation, and an anonymous foundation in Dallas, Texas.

Texas Alliance for Geographic Education (1991). Raised \$203,000 to support the Alliance summer teacher training program and to begin the development of an endowment for geographic education in Texas. Sources of funds include the state of Texas, National Geographic Society, the Sid W. Richardson Foundation, and the Harris and Eliza Kempner Foundation.

Co-Director with R. Bednarz, "Fund for Innovation in Education: Geography Academy for Teachers." U.S. Department of Education Grant No. R215T10007-91. October 1991-May 1993 (\$409,386).

Texas Alliance for Geographic Education (1990). Raised \$200,000 to support three summer institutes and a leadership workshop for teachers. Sources of funds were the state of Texas, National Geographic Society, Southwestern Bell Telephone Company, the Harris and Eliza

Kempner Foundation, the Sid W. Richardson Foundation, the Strake Foundation, the Ray C. Fish Foundation, and an anonymous foundation in Dallas, Texas.

Texas Alliance for Geographic Education (1989). Raised \$167,000 to support four summer institutes for teachers. Sources of funds were the State of Texas, National Geographic Society, Southwestern Bell Telephone Co., the Harris and Eliza Kempner Foundation, the Sid W. Richardson Foundation, and a foundation in Dallas, Texas.

Texas Alliance for Geographic Education (1988). Raised \$184,000 to support three summer institutes for teachers. Sources of funds were the National Geographic Society, Southwestern Bell Telephone Co., United Services Automobile Association, and the Sid W. Richardson Foundation.

Co-Director, Fund for the Improvement of Post- Secondary Education (FIPSE), Grant No. G008730437, "Improving Pre-Service Training in Geography for Middle School Teachers: A University/School Partnership." Awarded to the Association of American Geographers for three years, September 1987-July 1990 (\$246,346).

Arranged for a permanent endowment of \$90,000 for the Texas State University-San Marcos Department of Geography and Planning, funded by the Gildea Foundation, Baltimore, Maryland (1983).

Project Coordinator, Missouri Public Service Commission Transportation Regulatory Function Implementation (Phase II), #3763-2232. Funded by the Missouri Public Service Commission and administered through the University of Missouri-Columbia, June 1978-May 1979 (\$100,000).

Project Director, Missouri Public Service Commission Transportation Regulatory Function Evaluation, #710427-1. Funded by the Missouri Public Service Commission, June 1977-June 1978 (\$76,387).

Project Director, Teacher's and User's Guides for "The Magic Birthday Party," a color pilot videotape. Funded by the A. P. Green Foundation, Mexico, Missouri, 1975 (\$2,500).

Project Director, Office of Technology and Environmental Education (DHEW), Grant No. G007601992, "Personnel Development: Training in the Use of Selected Environmental Education Materials." Awarded to the National Council for Geographic Education, 1976-1977 (\$13,500).

Project Director, Office of Environmental Education (DHEW), Grant No. OEG-0-74-7392, "Resource Material Development." Awarded to the National Council for Geographic Education, 1974-1975. See *Journal of Geography*, Media Review, January 1975, for a complete description of the project (\$25,000).

2. Submitted, but not Funded, External Grants and Contracts:

National Science Foundation, Discovery Research K-12. 2015. Geospatial Enrichment of STEM Education. Amount Requested \$3 million. Boehm PI.

Texas Fund for Geography Education. 2015. "Geospatial Teaching and Learning for Texas Schools" Amount requested \$40,000. Boehm PI.

Texas Fund for Geography Education. 2014. "The Learning Cluster Model: Expanding Online Professional Development in Geography" Amount requested \$37,794. Boehm PI.

National Science Foundation, ECR Level 2. 2014. "Researching Learning Progressions for Maps, Geospatial Technology and Spatial Thinking" Boehm Co-PI.

National Science Foundation, IUSE. 2014. "Preparing GeoCapable students for 21st Century STEM Careers." Boehm Co-PI.

National Science Foundation, FIRE. 2014. "Fostering Interdisciplinary Research on Assessment in Geography Education." Boehm Co-PI.

National Science Foundation, Discovery Research K-12. 2013. "Geospatial Resources, Materials and Tools for Improving STEM Teacher Preparation." Amount Requested \$3 million. Boehm Co-PI.

Arthur Vining Davis Foundation. 2013. "Geography: Teaching with the Stars Program." Amount requested \$218,597. Boehm PI.

National Science Foundation, Discovery Research K-12. 2009. "Critical and Contemporary Issues in Human-Environment Interaction: Technology-Facilitated Professional Development for Teachers of Geography and Environmental Science." Amount requested \$2,482,375. Boehm Co-PI.

National Science Foundation, Graduate Teaching Fellows K-12. Submitted 06/19/2006. Boehm PI.

Energy and Natural Gas Trust (Bill Price) Oklahoma City. "Geography: Teaching with the Stars." Program 5, "Energy and Energy Conservation." Amount requested \$262,500.

American Building Industry (Jimmy Moore) Dallas, TX. "Geography: Teaching with the Stars." Program 6, "Conservation in the American Building Industry." Amount requested \$296,090.

The Harte Foundation. "Geography: Teaching with the Stars." Program 7, "The Gulf of Mexico." Amount requested \$178,000.

National Science Foundation. "Geo-Capabilities II: Transatlantic Professional Development." Amount requested approx. \$300,000. Boehm Co-PI.

3. Funded Internal Grants and Contracts:

Texas State University Lecture Series (Fall 2013) \$3,500 to bring President Joyce Banda, of Malawi here to give the Grosvenor Distinguished Lecture

Texas State University-San Marcos (Fall 2009) \$80,000 One Time Research Support for Geography: Teaching with the Stars

Texas State Parents Association (Fall 2008) \$2,750 Support for Geography Awareness Week

Texas State Equity and Access (Fall 2008) \$16,000 Support for the Summer Academy 2009

Texas State University Office of Equity and Access (Summer 2007) \$6,000 to support “Summer Academy for Minority Scholars.”

Texas State University-San Marcos (April 2007) \$1800 University Lecture Series

Texas State University-San Marcos (June 2007) \$1000 Special Project Funds, College of Liberal Arts

Texas State University Office of Equity and Access (Summer 2006) \$14,738 to support Summer Academy for Minority Scholars

Texas State University Office of Equity and Access (Summer 2005) \$6,000 to support Summer Academy for Minority Scholars

Texas State University Office of Equity and Access (2004) \$6,000 to support Summer Academy for Minority Scholars

Texas State University-San Marcos (2004) \$1500 Lecture Series

Texas State University-San Marcos (2004) \$5000 Early Engagement

4. Submitted, but not Funded, Internal Grants and Contracts:

D. Fellowships, Awards, Honors:

Named Associate Fellow of the National Center for Juvenile Justice, Pittsburgh, Pennsylvania, 1974-1980.

IV. SERVICE

A. University:

Graduation Speaker, Texas State University. May 2003.

B. Departmental:

Diversity Committee (2016-2017)

Mentoring Committee (2009-2015)

Graduate Committee (2007-2009)

Geographic Education Faculty Search Committee

Organizer, GeoSummit: An International Symposium on Teaching and Learning in Geography, May 2009, San Marcos, Texas.

Director, GeoAmericas Conference in La Serena, Chile, May 2007.

Organizer, International Conference on Research in Geographic Education, May 2005, San Marcos, Texas.

Organizer, International Conference on Research in Geographic Education, May 22-24, 2003, San Marcos, Texas.

Organizer, International Conference on Research in Geographic Education, May 20-22, 1999, San Marcos, Texas.

Organizer, The First Assessment: Research in Geographic Education Conference, May 22-24, 1997, San Marcos, Texas.

Organizer, Summit II in Geographic Education, May 18-20, 1995, San Marcos, Texas.

Organizer, Summit I in Geographic Education, May 20-22, 1993, San Marcos, Texas.

C. Community:

Member, St. Mark's Episcopal Church Finance Committee (2007-2009)

President, Wonderland School, Parent Support Group, San Marcos, TX (2004-2005)

D. Professional:

American Association of Geographers' Education Representative for the American Association for Advancement of Science

Member, Editorial Board of *Review of International Geographical Education Online*, 2009-Present

Executive Editor, *Research in Geographic Education*, 1999-Present

Special Editor for the *Research in Geographic Education* issue "The Education of an Applied Geographer." Volume 9, Issue 1. 2007

President, Wonderland School, Parent Support Group, San Marcos, Texas, 2004, 2005.

Development activities to support fund raising for The Horizon Fund, Department of Geography, University of Missouri-Columbia, 2004.

Guest Editor, *The Geography Teacher*. Volume 3, Number 1, 2004

Guest Editor, *The Social Studies*, Nov./Dec. Issue, 2004

Member, Editorial Board for *The Social Studies*, 2003-present.

Member, Editorial Board of the *Journal of Geography*, 1984-1987

Reviewed articles as a referee for the *Annals of the Association of American Geographers*, *The Professional Geographer*, *Journal of Geography*, *Social Education*, *The Social Studies*, and *The Journal of Geography in Higher Education*.

Editor, Media Materials for the National Council for Geographic Education, 1972-1977

Editor, Media Review in the *Journal of Geography*, 1973-1977

E. Organizations

1. Honorary:

Member, Alpha Pi Zeta-Social Science Honorary

Member, Gamma Theta Upsilon-Honorary Geography Fraternity

2. Professional:

Association of American Geographers

National Council for Geographic Education

National Council for Social Studies

National Geographic Society

Texas Council for Social Studies

F. Services Honors and Awards:

Dean's Award for Excellence in Research/Creative Activity, 2013

NCGE Distinguished Mentor Award, 2010.

Honorable Mention for service activities. Awarded by the Dean, College of Liberal Arts, Texas State University, September 2006.

Gilbert Grosvenor Honors in Geographic Education. Presented by the Association of American Geographers at the annual meeting in Los Angeles, California, March 2002.

Named Jesse H. Jones Distinguished Chair in Geographic Education, Texas State University-San Marcos, September 1998 - Present. Regental Appointment.

Received The Arts and Science Distinguished Alumni Award from the University of Missouri-Columbia, February 1996.

Selected for the Presidential Seminar Award, Texas State University, April 11, 1995.

Member, writing team for *Geography for Life*, national standards in geography, winner of the 1995 Publications Award for the Geographical Society of Chicago.

Interviewed and filmed for "Geographers on Film," Boston, Massachusetts, Maynard Weston Dow, 1994.

Named National Faculty Member for The National Faculty, Atlanta, Georgia, for a five-year term, 1994-1999.

Biography listed in Barton and Karan, Leaders in American Geography. Mesilla, New Mexico: New Mexico Geographical Society, 1992, pp. 212-213.

Received the George J. Miller Award for Distinguished Service to Geographic Education. Presented by the National Council for Geographic Education at the annual meeting, St. Paul, Minnesota, October 1991.

Named "Distinguished Geographic Educator" by the National Geographic Society, July 1990.

Journal of Geography Award for Best Article Related to Teaching in Elementary Schools for "Teaching Place Names and Locations in Grades 4-8: Maps of Errors" (with J. Petersen). *Journal of Geography*, Vol. 86, No. 4, July-August 1987, pp. 167-170.

Appointed Co-Coordinator of the Texas Alliance for Geographic Education by the National Geographic Society, 1986-present.

Member of the writing team that received "A Special Citation" from the Geographic Society of Chicago for co-authoring the *Guidelines for Geographic Education*, May 1985.

Received 1985 Distinguished Teaching Achievement Award from the National Council for Geographic Education.

Appointed to the steering committee for the Geographic Education National Implementation Project, 1984-1987.

Member, writing team for the Joint AAG/NCGE National Curriculum Guidelines Project, 1983-1984.

Elected President, National Council for Geographic Education, 1983.

Member, Local Arrangements Committee for the Association of American Geographers meeting in San Antonio, Texas, April 1982.

Journal of Geography Award for Best Article Related to Teaching in Elementary Schools 1979-1980 for "Geography Is More Than Knowing: Deciding and Doing Are Basic Too!" (with J. Kracht). *Journal of Geography*, Vol. 79, No. 3, March 1980, pp. 104-107.

Elected First Vice-President of the National Council for Geographic Education, 1981.

Elected Second Vice-President of the National Council for Geographic Education, 1980.

Selected as Local Arrangements Chairman for the National Council for Geographic Education meeting held in Mexico City, 1979.

Elected Treasurer of the National Council for Geographic Education for a three-year term, 1977.

Designated as one of 50 invited experts for the UNESCO Regional (North America) Conference on Environmental Education. St. Louis, Missouri, October 5-8, 1976.

Journal of Geography Award (Honorable Mention) for Best Article Related to Teaching in the Secondary Schools 1973-1975 for "Feelings About the Community: Using Value Clarification In and Out of the Classroom" (with J. Kracht). *Journal of Geography*, Vol. 74, No. 4, April 1975, pp. 198-206.