

GC Faculty Research and Professional Services 2004-2005

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Papers and Presentations

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Arendale, D. (March 2005). "Developmental education policy: Analyzing the present and near future." National Association for Developmental Education Conference. Albuquerque, NM.

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Arendale, D. (October 2004). "Learning assistance policy: Analyzing the present and near future." College Reading and Learning Association Conference. Kansas City, MO.

Arendale, D. (January 2005). "Avoiding retention roulette: Research-based strategies for increasing the persistence and success of students." Twin Cities Metropolitan Higher Education Consortium Conference. Minneapolis, MN.

Barajas, H. L. & Bradley, M. (January 2005). "Living within boundaries: Programs, Kids that fall between programs, and school partnerships." Twin Cities Metropolitan Higher Education Consortium Conference. Minneapolis, MN.

Barajas, H. L., Ghore, D., Hugg, N., & Higbee, J. (November 2004). "Multicultural Concerns Committee: Promoting and Inclusive Environment." Keeping Our Faculties of Color III Conference. Minneapolis, MN.

Barajas, H. L., Hagedorn, L., & Nesbit, M. (April 2005). "Developmental Education: Multiple Perspectives in Postsecondary Institutions." American Educational Research Association. Montreal, Canada.

Barajas, H. L. & Ronkvist, A. (August 2004). "Race and public schools: School organizations as a racialized white space." American Sociological Association. San Francisco CA.

Barnum, J. (June 2005). "Charmed Eye and Ear: *Benito Cereno* in Opera and the Theatre." Fifth International Melville Society Conference. New Bedford, MA.

Barnum, J. (April 2004). "This Budd's Not Yours: The Anheuser-Busch Litigation against *Billy Budd* Classic American Ale." College English Association Conference. Richmond, VA.

Brothen, T. & Steel, P. (April 2004). "Self-regulation, personality traits, and procrastination." Nineteenth Annual Meeting of the Society of Industrial and Organizational Psychology. Chicago, IL.

Bruch, P. (October 2004). "First Year Students' Perceptions of their Multicultural Learning Experiences." Focusing on the First Year Conference. Minneapolis, MN.

Bruch, P. (November 2004). "Changing the Talk we Walk: The Multicultural Awareness Project for Institutional Transformation." Keeping Our Faculties of Color III Conference. Minneapolis, MN.

Bruch, P., Higbee, J. & Siaka, K. (October 2004). "First Year Students' Perceptions of their Multicultural Learning Experiences." Focusing on the First Year of College Conference. Minneapolis, MN.

Bruch, P., Higbee, J., Jehangir, R., & Siaka, K. (November 2004). "Changing the Talk we Walk: The Multicultural Awareness Project for Institutional Transformation." Keeping Our Faculties of Color III Conference. Minneapolis, MN.

Buturian, Linda. (March 2005). "Creative Engagement: Making Meaning That Matters." National Association for Developmental Education. Albuquerque, NM.

Collins, M. & Murie, R. (November 2004). "Writing the Life History of an Elder." MinneTESOL conference. Minneapolis Community and Technical College. Minneapolis, MN

delMas, R. (August 2004). "The ARTIST Online Assessment Builder." ARTIST Roundtable Conference on Assessment in Statistics. Appleton, WI.

delMas, R., Garfield, J. & Chance, B. (April 2004). "Using assessment to study the development of students' reasoning about sampling distributions." Annual Meeting of the American Educational Research Association. San Diego, CA.

delMas, R. & Liu, Y. (April 2004). "Students' conceptual understanding of the standard deviation." Annual Meeting of the American Educational Research Association. San Diego, CA.

delMas, R., & Liu, Y. (July 2004). "Students' Understanding of Factors that Affect the Standard Deviation." Tenth International Congress on Mathematical Education. Lyngby, Denmark.

Garfield, J., **delMas, R.,** & Chance, B. (July 2004). "Exploring the impact of Lesson Study on Expert and Novice Statistics Teachers." Tenth International Congress on Mathematical Education. Lyngby, Denmark.

Delong, R. & Ghere, D. (January 2005). "Enhancing History Instruction: A Secondary-University Collaboration." Twin Cities Metropolitan Higher Education Consortium Conference. St. Paul, MN.

Dorsey, H. & Pedelty, M. (February 2005). "Solo in Ensemble: Using Performance to Teach Social Justice." The Evergreen State University Annual Conference. Olympia, WA.

Dorsey, H. & Pedelty, M. (October 2004). "Acting Out: Using Performance to aid in the High School to College Transition." Teaching First Year Students Conference. Minneapolis, MN.

Duranczyk, I. M. & Mrachek, L. (April 2005). "Math cartoons: It's not that funny." Minnesota Spring Math Conference. Duluth, MN

Duranczyk, I. M. (April 2005). "Surveying Undergraduates: Do students' perceive the impact of AMATYC's Teaching and Learning Standards?" Minnesota Spring Math Conference. Duluth, MN

Duranczyk, I. M. (April 2005). "Ethnomathematics Pedagogy: Using Context, Voice, and Action to Develop Mathematical Concepts and Skills." 37th Annual NCSM Conference. Anaheim, CA.

Duranczyk, I. M. & Lee, A. (March 2005). "Harmonizing our Writing/Math Voices." National Association of Developmental Educators. Albuquerque, NM

Duranczyk, I. M., Lundell, D. B., Higbee, J. L., Arendale, D., & Chung, C. (March 2005). "Creating Access and Defining College Readiness for Underserved Students." National Association of Developmental Educators. Albuquerque, NM

Duranczyk, I. M. (February 2005). "Ethnomathematics: An inclusive pedagogy and authentic assessment." Minnesota's Future Teachers Conference. St. Paul, MN.

Duranczyk, I. M., Wyberg, T., Lee, L., & Chu, R. (January 2005). "Building Bridges K-16 in Mathematics for Access and College Success." Metropolitan Higher Education Consortium Conference. St. Paul, MN.

Duranczyk, I. M. & Higbee, J. L. (September 2004). "Writing and Reviewing for *The Learning Assistance Review*." The Nineteenth Annual Conference of the National College Learning Center Association. Towson, MD.

Duranczyk, I. M. (May 2004). "Dare to Dream: Freeing the Spirit and the Mind." Robert Moses Day. Jackson, MS.

Duranczyk, I. M. & Mrachek, L. (April 2004). "Math in the Movies and Other Applications." Minnesota Spring Math Conference. Duluth, MN.

Duranczyk, I. M. (April 2004). "Exploring Ethnomathematics and Sociocultural Pedagogy in Developmental Mathematics Courses." Minnesota Spring Math Conference. Duluth, MN

Duranczyk, I. M., Leopard, B., Caniglia, B. & Richards, E. (April 2004). "Exploring Mathematical Concepts Within Cultural Contexts and Historic Sites." 36th Annual NCSM Conference. Philadelphia, PA.

Fayon, A. K., Mulch, A.I., Teyssier, C., Person, M., & Vanderhaeghe, O. (November 2004). "Fluid flow and heat transfer during exhumation of a metamorphic core complex." Geological Society of America Annual National Meeting. Denver, CO.

Fayon, A. K. (April 2004). "Monazite fission-track thermochronometry." European Geophysical Union Annual Meeting. Nice, France.

Fayon, A. K. (August 2004). "Monazite fission-track thermochronometry." International Fission Track Workshop. Amsterdam, The Netherlands.

Vanderhaeghe, O., Teyssier, C., & **Fayon, A.K.** (April 2004). "From metamorphic core complex to rift." European Geophysical Union Annual Meeting. Nice, France.

Fillipi, P. (March 2005). "Creative Engagement: Making Meaning That Matters." National Association for Developmental Education. Albuquerque, NM.

Fitzpatrick, R.M. (October 2004). "Charting a Course: Using Journaling for Reflective Practice in the Writing Center." Midwest Writing Centers Association National Conference. St. Cloud, MN.

Ghere, D. (August 2004). "Factionalism and Gender in Abenaki Diplomacy, 1750 to 1760." Old Fort Western's 250th Anniversary Distinguished Speaker Series. Augusta, ME.

Ghere, D. (April 2004). "The Colonial Dispute as Depicted in Anglo-American Political Cartoons." Organization of American Historians Annual Conference. Boston, MA.

Ghere, D., Hugg, N., Barajas, H., & Higbee, J. (November 2004). "Improving the Campus Climate with a Multicultural Concerns Committee." Keeping our Faculties of Color III Conference. Minneapolis, MN.

Hatch, J. T., Hsu, L., Jensen, M., & Moore, R. (April 2005). "The Roadmap strategy: Active engagement in a large lecture environment." The Society for College Science Teachers Program, 53rd National Science Teachers Association Convention. Dallas, TX.

Hatch, J. T. (December 2004). "The Biodiversity Crisis and the Role Science Educators Can Play In Helping Stem It." Minnesota Science Teachers Conference. St. Paul, MN.

Hatch, J. T., Carlson, D., Mullin, E., Blair, R., Cornett, M., Drotts, G., Eliason, B., Erickson-Eastwood, L., Hanowski, J., Haws, K., Knutson, M., Martell, M., Nordquist, G., Stenquist, B., & Will, T. (December 2004). "Comprehensive wildlife conservation strategy (CWCS) planning: the Minnesota experience." 65th Annual Midwest Fish and Wildlife Conference. Indianapolis, IN.

Hatch, J. T. & Baker, R. J. (March 2004). "Status and conservation of the endangered Topeka shiner in Minnesota." Annual Meeting of the Minnesota Chapter of the American Fisheries Society. St. Cloud, MN.

Higbee, J. L. (June 2004). "Multicultural Awareness Project for Institutional Transformation (MAP IT)." International Conference on the First-Year Experience. Lahaina, HA.

Higbee, J. L., Lundell, D. B., Arendale, D. R., Chung, C. J., & Duranczyk, I. M. (March 2005). "Creating access and defining readiness for underserved students." Annual Conference of the National Association for Developmental Education. Albuquerque, NM.

Higbee, J. L., Bartholdi, L., & Shaw, M. E. (February 2005). "Faculty and advisors bridging the gap in creating a first-year seminar course." Annual Conference on the First-Year Experience. Phoenix. AZ.

Higbee, J. L., Bruch, P. L., Jehangir, R., & Siaka, K. (November 2005). "Multicultural awareness project for institutional transformation (MAP IT)." Keeping Our Faculties III Conference. Minneapolis, MN.

Higbee, J. L., Arendale, D. R., & Lundell, D. B. (October 2004). "Creating access and defining readiness for underserved student populations." Annual Conference of the College Reading and Learning Association. Kansas City, MO.

Higbee, J. L. & Siaka, K. (January 2005). "Defining college readiness: Faculty, staff, and student perceptions." Twin Cities Metropolitan Higher Education Consortium Developmental Education Conference. Minneapolis, MN.

Higbee, J., Lundell, D., & Hipp, S. (October 2004). "Exporing college readiness: The Twin Cities Metropolitan Higher Education Consortium Developmental Education Initiative." Eleventh Annual Conference of the Minnesota Association for Developmental Education. Alexandria, MN.

Higbee, J. L., Bruch, P. L., & Siaka, K. (October 2004). "First-year students' perceptions of their multicultural learning experiences." Focusing on the First Year of College Conference.

Minneapolis, MN.

Hodne, B. (June 2004). "CIS Basic Writing: Concurrent Enrollment for ESL Students." College in the Schools Workshop. Minneapolis, MN.

Howell, C. (March 2005). "Creative Engagement: Developing Writing that Matters." National Association of Developmental Education. Albuquerque, NM

Hsu, L. & Walukiewicz, W. (March 2005). "Electron scattering in bulk InN." American Physical Society. Los Angeles, CA.

Hsu, L. (February 2005). "Helping students develop problem-solving skills." MnSCU Discipline workshop: Physics-Force and Motion 2. St. Cloud, MN.

Hsu, L. (August 2004). "Issues in studying transfer of problem-solving skills: Quantifying 'near' and 'far' transfer." Physics Education Research Conference. Sacramento, CA.

Hsu, L. & Heller, K. (August 2004). "Using computers as interactive problem-solving coaches." American Association of Physics Teachers. Sacramento, CA.

Hsu, L. & Heller, K. (April 2004). "Restructuring the Introductory Physics Course for Biology Majors." Minnesota Academy of Science Annual Meeting: Symposium on Alternative Pedagogies in Introductory Science Courses. Collegeville, MN.

Hyland, E. (2004). "The African American Read-In." National Council of Teachers of English Conference.

Jacobs, W.R., Chomsky, C., James, P., & O'Donovan, P. (April 2004). "Transforming Experience to Wisdom: Self-Assessment through Memoir Writing." Partners in Learning: A Campus-Wide Symposium on Best Practices to Enhance Student Learning. Minneapolis, MN.

Jensen, M. (June 2004). "Ten Years of Web Anatomy." Human Anatomy and Physiology Society Annual Meeting. Calgary, Canada.

Jensen, M. (September 2005). "Teaching Strategies to Help Under Prepared Students Survive an Anatomy and Physiology Course." MnSCU Biology Discipline and Human Anatomy and Physiology Meeting. Brooklyn Park, MN.

Jensen, M. (December 2004). "Data, Information, Knowledge, and Wisdom: Helping Students Along This Path." Minnesota Biology Teachers Association. St. Paul, MN.

Jensen, M. (November 2004). "Teaching Strategies for Anatomy and Physiology Instructors." Houston Area Anatomy and Physiology Teachers. Houston, TX.

- Kelly, M.** (April 2004). "What Works (and what doesn't) in a High School Outreach Program." Teachers of English to Students of Other Languages Annual Conference. Long Beach, CA.
- Lee, A.** (October 2004). "Writing as Inquiry in First Year Courses." University of Nebraska. Omaha, NE.
- Lee, A.** (October 2004). "Revising Pedagogies: On Becoming a Teacher (Again)." University of Nebraska. Omaha, NE.
- Miksch, K. L.** (2005). "Unequal Access to Higher Education 50 Years After Brown: Targeting Recruitment Programs to Promote Access." Annual American Education Research Association Conference. Montreal, Canada.
- Miksch, K. L.** (2004). "Still separate and unequal: Equity and Advanced Placement." Annual Education Law Association Conference. Tucson, AZ.
- Miksch, K. L.** (2004). "Separate and unequal: Advanced Placement and access to higher education." Annual American Education Research Association. San Diego, CA.
- Moore, R.** (May 2004). "Affective barriers to achievement." Second Intentional Meeting of the Metropolitan Higher Education Consortium. Minneapolis, MN.
- Moore, R.** (May 2004). "Teaching about evolution." Quality Teaching Network in Science, sponsored by the Minnesota Department of Education. Roseville, MN.
- Moore, R.** (October 2004). "What every science teacher needs to know about the legal issues associated with the teaching of evolution and creationism in public schools." National Association of Biology Teachers. Chicago, IL.
- Moore, R.** (November 2004). "Legal issues associated with the teaching of evolution and creationism." National Center for Science Education. Berkeley, CA.
- Moore, R. & Kraemer, K.** (October 2004). "The teaching of evolution and creationism in Minnesota." Minnesota Science Teachers Association. Burnsville, MN.
- Moore, R.** (November 2004). "The ongoing popularity of creationism among biology teachers." National Association of Biology Teachers. Chicago, IL.
- Pederty, M.** (2004). "War Correspondents, Musicians, and Other Storytellers: A Comparative Analysis of News and Music from the Salvadoran War." *Constru(ct)ing the Current: Theorizing Media in a New Millennium*. Chicago, IL.
- Reynolds, T.** (March 2005). "Developing Technological Literacy in a Basic Writing Course." Conference on College Composition and Communication. San Francisco, CA.

Reynolds, T. (March 2005). "Models for Student Success: Learning From Award Winning Basic Writing Programs." Conference on College Composition and Communication. San Francisco, CA.

Sirc, G. "Minneapolis/Combray." (March 2004). Conference on College Composition and Communication. San Francisco, CA.

Sirc, G. "Minneapolis/Combray." (April 2004). Wayne State University English Department. Detroit, MI.

Sirc, G. (November 2004). "Towards a Compositional Substance in the Era of the 'New Normal'." Purdue University Hutton Lecture. Purdue, IN.

Staats, S. (July 2004). "Mathematics discourse as performance." Psychology of Mathematics Education International Group Annual Meeting. Bergen, Norway.

Staats, S. (July 2004). "The Somali mathematics lexicon: Prospectus of an experiment in connections." Multilingual Mathematics Group Annual Meeting. Bergen, Norway.

Staats, S. (April 2004). "Issues through Ethnography: The case for rich contexts in ethnomathematics lessons." National Council of Supervisors of Mathematics Conference. Philadelphia, PA.

Trites, J. & Christensen, L. (October 2004). "Generation 1.5 Students and Technology: Realities and Possibilities." Minnesota National Association of Developmental Education.

Trites, J. (November 2004). "Developing a Voice in Public Speech: Immigrants Share Their Experiences." National Communication Conference. Chicago, IL.

Uthe, R. (March 2005). "Geology of the Central Rock Mountains." Geological Society of Minnesota. South St. Paul, MN.

Xiong, Z. B. (April 2005). "Multiple stressors in college students' lives: How can parents support them?" University of Minnesota Office of Multicultural Affairs. Minneapolis, MN.

Yahnke, R.E. (November 2004). "Time, memory, identity, & intimacy: Understanding aging in feature-length films." Gerontological Society of America. Washington, D.C.

Yahnke, R.E. & Vanden Bosch, J. (February 2005). "Using educational videos effectively in gerontology: The good, the bad, and the 'boring'." Association for Gerontology in Higher Education. Oklahoma City, OK.

Monographs

Arendale, D. (2004). "Pathways of persistence: A review of postsecondary peer cooperative learning programs." In I. Duranczyk, J. L. Higbee, & D. B. Lundell (Eds.), *Best practices for access and retention in higher education* (pp. 27-40). Minneapolis, MN: Center for Research on Developmental Education and Urban Literacy, General College, University of Minnesota.

Brothen, T. & Wambach, C. (2004). "A historical note on retention: The founding of General College." In I. M. Duranczyk, J. L. Higbee, & D. B. Lundell (Eds.), *Best practices for access and retention in higher education* (pp. 7-10). Minneapolis, MN: Center for Research in Developmental Education and Urban Literacy, General College, University of Minnesota.

Duranczyk, I. M., Higbee, J. L., & Lundell, D. B. (Eds.) (2004). *Best Practices for Access and Retention in Higher Education*. Minneapolis, MN: Center for Research on Developmental Education and Urban Literacy, General College, University of Minnesota.

Duranczyk, I. M., Leopard, B., Caniglia, J. & Richards, E. (2005). *Math in the city: Connecting mathematics and culture*. International Study Group on Ethnomathematics website.

Duranczyk, I. M., Staats, S., Moore, R., Hatch, J., Jensen, M., & Somdahl, C. (2004). "Developmental mathematics explored through a sociocultural lens." In I. M. Duranczyk, J. L. Higbee, & D. B. Lundell (Eds.), *Best practices for access and retention in higher education* (pp. 43-53). Minneapolis, MN: Center for Research on Developmental Education and Urban Literacy, General College, University of Minnesota.

Hatch, J.T., Duranczyk, I. M., Staats, S., Moore, R., Jensen, M., & Somdahl, C. (2004). "Introductory-level college mathematics explored through a sociocultural lens." In I. M. Duranczyk, J. L. Higbee, & D. B. Lundell (Eds.), *Best practices for access and retention in higher education* (pp. 43-53). Minneapolis, MN: Center for Research on Developmental Education and Urban Literacy, General College, University of Minnesota.

Higbee, J. L., Chung, C. J., and **Hsu, L.** (2004). "Enhancing the Inclusiveness of University Courses Through Universal Instructional Design." In I.M. Duranczyk, J.L. Higbee, and D.B. Lundell (Eds.), *Best Practices for Access and Retention in Higher Education* (pp. 13-25). Minneapolis, MN: Center for Research on Developmental Education and Urban Literacy, General College, University of Minnesota.

Moore, R. (2004). "The importance of a good start." In I.M. Duranczyk, J. L. Higbee, & D. B. Lundell (Eds.), *Best practices for access and retention in higher education* (pp. 115-123). Minneapolis, MN: Center for Research on Developmental Education and Urban Literacy, General College, University of Minnesota

Grants and Awards

Aitken, M. SASE/Jerome Writing Grant. \$3,000.

Duranczyk, I.M. “Beginning and intermediate algebra service-learning course development.” University of Minnesota Service Learning Fellowship. \$5,000.

Duranczyk, I.M. & Lee, A. University of Minnesota First-Year Learning Communities Initiative. \$7,180.

Gray Brown, K. Alliance of Native Scholars: Native American Research and Education at the University of Minnesota. Initiatives in Interdisciplinary Research, Scholarly, and Creative Activities, University of Minnesota. Year two of two-year grant at \$5,000 per year.

Hodne, B.D. University of Minnesota First-Year Learning Communities Initiative. \$5,550.

Hsu, L. “Implementing Physics by Inquiry using undergraduate peer instructors and cooperative group learning.” National Science Foundation Course, Curriculum, and Laboratory Improvement Program, Adaptation and Implementation track. \$28,709.

Jacobs, W. R. “Living with Social Ghosts.” University of Minnesota President’s Faculty Multicultural Research Award. \$5,940.

James, P., Bruch, P., & Jehangir, R. “The Multicultural Learning Community: Exploring Ways of Knowing and Learning.” University of Minnesota First-Year Learning Communities Initiative. \$8,000

Jensen, M. “Promoting Student Learning in Large Classes.” Bush Grant Initiative. \$5,000

Jensen, M. “The Science and Politics of Genetics and Reproduction.” Consortium on Law and Values in Health, Environment, and the Life Sciences. Year two of two-year project. \$10,000.

Jensen, M. “WebAnatomy Images for Students and Instructors Worldwide.” American Anatomy Association. \$3,000.

Lee, A. & Duranczyk, I. University of Minneosta First-Year Learning Communities Initiative. \$7,500.

Lee, A. HESO Engaged Department Grant to promote Civic Engagement Curricula. \$6,000.

Recognition

Lee, A. Horace T. Morse Award for Outstanding Contributions to Undergraduate Education. University of Minnesota. Minneapolis, MN.

Moore, R. Editorial Board Member. *Science Education Review*.

Moore, R. Board of Directors. Society for College Science Teaching.

Moore, R. The *American Biology Teacher* Editor-in-Chief. National Association of Biology Teachers.

Xiong, Z.B. & Detzner, D. Ruth Hathaway Jewson Distinguished Service to Families Award. Minnesota Council on Family Relations.

