

**PSTL Faculty Research and Professional Services
2006-2007**

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Books

Higbee, J. L., & Mitchell, Alice A. (In press). *Making good on the promise: Student affairs professionals with disabilities*. Washington, DC: American College Personnel Association and University Press of America.

Moore, R., & Moore, J. *Evolution 101*. Westport, CT: Greenwood Press.

Articles and Chapters

Buturian, L.B. (2006). "Interviews with Anne Lamott and Kathleen Norris." *Shouts and Whispers: 21 Writers Reflect on their Faith and Writing*. Eerdmans.

Brothen, T., & Wambach, C. (2007). "Internet vs. Classroom Access in a Hybrid Psychology Course for Developmental Students." *Research and Teaching in Developmental Education*, 23(2), 15-22.

Duranczyk, I. M. (2007). "Students' Memories and Experiences: A Critical Analysis of Developmental Education." *Research and Teaching in Developmental Education*, 23(1).

Duranczyk, I. M. (2007). "Evaluation Theory for Developmental Mathematics Practitioners." *NADE Digest*, 3(1) 1-10.

Duranczyk, I. M. , & Higbee, J. L. (2006). "Developmental Mathematics in 4-Year Institutions: Denying Access." *The Journal of Developmental Education*, 30(1), 22-31.

Duranczyk, I. M., Goff, E., & Opitz, D. L. (2006). "Students' experiences in learning centers: Socioeconomic factors, grades, and perception of the math center." *Journal of College Reading and Learning*, 36, 39-49.

Fayon, A.K., Duranczyk, I.M., & Whitney, D.L. (In press). "Doing time:

incorporating apatite fission track analysis in undergraduate science curriculum.”
Journal of Geoscience Education.

Fayon, A.K., & Whitney, D.L. (2007). “Tectonic vs. magmatic processes and the resetting apatite fission track ages: an example from the Nigde Massif, Turkey.”
Tectonophysics.

Whitney, D.L., **Fayon, A.K.**, Broz, M.E., & Cook, R.F. (2007). “The Mohs’ scale revisited.” *Journal of Geoscience Education*, 55, 54 – 59.

Ghere, D. L., & Amram, F. (2007). “Inventing Music Education Games.” *British Journal of Music Education*. 24:1, 1-21.

Higbee, J. L., Schultz, J. L., & Goff, E. (2006). “Attendance policies in developmental education courses: The student point of view.” *Research & Teaching in Developmental Education*, 23(1), 78-85.

Higbee, J. L., & Barajas, H. L. (2007). “Integrated Multicultural Instructional Design.”
About Campus, vol. 12, issue 3 (July/August).

Higbee, J. L., Siaka, K., & Bruch, P. L. (In press). “Assessing our commitment to multiculturalism: Student perspectives.” *Journal of College Reading and Learning*.

James, P. J., Bruch, P. L. & Jehangir, R. R. (2006). “Ideas in practice: Building bridges in a multicultural learning community.” *Journal of Developmental Education*, 29 (3), pp 10-18.

Jehangir, R. (2006). “Conflict as a Catalyst in Learning.” *Transform Vol. 1 (1)*, pp. 2-6. University of Minnesota. Academy of Distinguished Teachers Publication.

Jensen, M. (In press). “Predictors of success for freshman anatomy and physiology students.” *Human Anatomy and Physiology Educator*.

Jensen, M. (In press). “Lecture is dead: Part 4.” *The American Biology Teacher*.

Jensen, M. (2006). “Large enrollment classrooms: A stark reality for public higher education.” *Proceedings of the Second Conference of Science Education at the Crossroads*. URL:
<http://conferences.weber.edu/crossroads/papers2006/MurrayJensen.pdf>. Ogden, Utah, Weber State University.

Jensen, M., Moore, R., & Connor, J. (In press). “Predictors of success for freshman anatomy and physiology students.” *Human Anatomy and Physiology Educator*.

Jensen, M, Duranczyk, I., Staats, S., Moore, R., Hatch, J., & Somdahl, C. (2006). "Using a reciprocal teaching strategy to create multiple-choice exam questions." *The American Biology Teacher* 68(6), 67-71. http://www.nabt.org/sub/pdf/068_06_0012.pdf

Jensen, M., Moore, R, Hatch, J., Hsu, L., & Somdahl, C. (In press). "A scoring rubric for students' responses to simple evolution questions: Darwinian components." *The American Biology Teacher*.

Miksich, K.L. "Need for Race-Exclusive and Race-Targeted Programs." In G. Orfield & P. Marin (Eds.), *Is Access to Higher Education Shrinking? Impacts of Shifts in Race-Conscious Policies and Their Alternatives*. Cambridge, MA: Civil Rights Project, Harvard University.

Moore, R. (2006). "Class attendance: How students' attitudes about attendance relate to their academic performance in introductory science classes." *Research and Teaching in Developmental Education*, 23(1), 19-33.

Moore, R. (2006). "Do introductory science courses select for effort or aptitude?" In J. L. Mintzes & W. H. Leonard (Eds.), *Handbook of College Science Teaching*. Arlington, VA: National Science Teachers Association.

Moore, R. (2006). "Predicting the first-year performances of developmental education students." *Research and Teaching in Developmental Education*, 22(2), 31-41.

Moore, R. (2006). "The Tennessee Supreme Court appeal and other post-trial activities of key Scopes Trial participants." In R. Cornelius (Ed.), *Deconstructing Scopes: Unraveling the mythology of the world's most famous trial*. Dayton, TN: Bryan College.

Moore, R. (2006). "The importance of admissions scores and attendance to first-year performance." *Journal of the First-Year Experience & Students in Transition*, 18(1), 105-125.

Moore, R. (2006). "Do high school behaviors set up developmental education students for failure?" *The Learning Assistance Review*, 11(2), 19-32.

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Moore, R. (2006). "At-risk students: Higher education." In J. Ciment (Ed.), *Social issues in America: An encyclopedia* (Vol. 1, pp. 179-188). New York: Sharpe Reference.

Moore, R. (2006). "My best advice." *Best Practices for College Science Teaching*, 1, 2005.

Moore, R., & Jensen, M. (2006). "Results of a 16-year study of cheating in introductory science classes." *The Science Education Review*, 5(3), 1-7.

Moore, R., & Jensen, M. (2006). "What Factors Predict the Academic Success of Developmental Education Students." *The Learning Assistance Review*, 10(1), 25-40.

Moore, R., Froehle, A.M., Kiernan, J., & Greenwald, B. (2006). "How biology students view evolution, the teaching of evolution, and the evolution-creationism controversy." *The American Biology Teacher*, 68(5), URL: <http://www.nabt.org/sites/S1/File/pdf/068-05-0007.pdf>

Kinney, D.P. & **Robertson, D.F.** (2006). Interactive mathematics - college algebra. Bloomington: Plato Learning Incorporated.

Schultz, J. L., & Higbee, J. L. (In press). "Reasons for attending college: The student point of view." *Research & Teaching in Developmental Education*.

Staats, S. (2006). "The case for rich contexts in ethnomathematics lessons." *Journal of Mathematics and Culture* 1(1), pp. 39-56.

Staats, S. (2007). "Dynamic contexts and imagined worlds: An interdisciplinary approach to mathematics applications." *For the Learning of Mathematics* 27(1).

Staats, S., Duranczyk, I., Moore, R., Hatch, J., Jensen, M., & Somdahl, C. (2006). "Communication for inquiry and access: Teaching techniques from discourse research." *Science Education Review* 5(3), pp. 71-80.

Xiong, Z. B., Detzner, D. F., Keuster, Z. H., **Eliason, P. A.,** & Allen, R. (2006). "Developing culturally sensitive parent education programs for immigrant families: The helping youth succeed curriculum" *Hmong Studies Journal*, 7, 1-29.

Yahnke, R.E. (2006). "My five favorite films on aging." *ASA Connection (July-August)*, 1-2. San Francisco: American Society on Aging. Website: <http://www.asaging.org/asav2/asaconnection/enews/06jul/top.cfm>

Yahnke, R. E. (In press). "Rage against the darkness: Video series on long term care." *The Gerontologist*, 47.

Yahnke, R. E. (2006). "Review of Backseat Bingo." *The Gerontologist*, 46: 308-309.

Yahnke, R. E. (In press). "The elderly in film." Vital Aging Network newsletter.

Yahnke, R. E. (In press). "Review of the educational video, House Calls." *Gerontology & Geriatrics Education*.

Papers and Presentations

Barajas, H., & Cordano, R. (July, 2006). "Universal Design: Evolving the Traditional Role of the Disability Services Office." Association on Higher Education and Disability Conference (AHEAD). San Diego, CA.

Brothen, T. (July, 2006). "Helping university faculty and staff better serve students with disabilities." Paper presentation. 31st International Conference on Improving University Teaching. Dunedin, New Zealand.

Detzner, D. F., Yang, P. N., Senyurekli, A. R. (2006). "Examining intergenerational solidarity in Hmong families." National Council on Family Relations. Minneapolis, MN.

Duranczyk, I. M. (October, 2006). "From Theory to Practice." Invited Key Note Address. 1st Academic Foundations Program Conference. Grand Rapids, MI.

Duranczyk, I. M. (August, 2006). "Mathematics Across the Curriculum: A Necessary Prerequisite to Universal Instructional Design?" Pedagogy and Student Services for Institutional Transformation (PASS IT) Conference: Implementing Universal Design by Training Professionals to Train Others. Center for Research on Developmental Education and Urban Literacy. Minneapolis, MN.

Duranczyk, I. M. (April, 2006). "Ethnomathematics Algebra Activities: Applying Socio-Cultural Learning for Engaging Learners in Discovering Their Innate Mathematical Power." NCSM's 38th Annual Conference: Math Leaders Catch the Spirit. St. Louis, MO.

Shiple, N. and **Fayon, A.K.** (2006). "Vanishing act: Experiments on fission track annealing in monazite" EOS (American Geophysical Union Transactions).

Goff, E., Higbee, J. L., & Barajas, H. L. (October, 2006). "Universal Instructional Design for multicultural postsecondary education." Paper presentation. Focusing on the First Year of College Conference. Minneapolis, MN.

Hatch, J., Jensen, M., & Moore, R. (2007). "Formative assessment: How will you know what your students know?" National Science Teachers Association (NSTA). St. Louis, MO.

Higbee, J. L. (June, 2006). "Enhancing inclusion for all: Implementing Universal Instructional Design." Keynote address and inaugural Distinguished Lecture Series speaker. Kent State University Summer Institute on Disability. Kent, OH.

Higbee, J. L. (May, 2006). "Enhancing intellectual growth: Embedding skill development in content area courses." Keynote address. Annual Conference of the Adult Basic Education Association of British Columbia. Kamloops, BC, Canada.

Higbee, J. L. (April, 2006). "Integrating theories from disability studies, student development, and multicultural education: Inclusion for all." Keynote presentation.

American College Personnel Association Seminar on the Intersection of Student Development and Disability Theory. Washington, DC.

Higbee, J. L. (May, 2006). Implementing Universal Instructional Design. Presentation at the Annual Conference of the Adult Basic Education Association of British Columbia, Kamloops, BC, Canada.

Higbee, J. L. (2006, April). "Using theory to guide implementation of Universal Instructional Design in professional practice." Invited workshop. American College Personnel Association Seminar on the Intersection of Student Development and Disability Theory. Washington, DC.

Higbee, J. L., & Lundell, D. B. (August, 2006). "Serving university students with disabilities: Moving beyond accommodation to inclusion through Universal Instructional Design." Paper presentation. Annual Conference of the European Access Network. Thessaloniki, Greece.

Higbee, J. L., & Langley, D. (November, 2006). "What faculty need to know to help underprepared students succeed." Keynote presentation. Collaboration for the Advancement of College Teaching and Learning Faculty Developers' Breakfast. Bloomington, MN.

Higbee, J. L., & Kalivoda, K. S. (October, 2006). "Uniting for inclusion: Universal Instructional Design for multicultural postsecondary education." Paper presentation. Annual Conference of the College Reading and Learning Association. Austin, TX.

Higbee, J. L., Von Blerkom, D., MacDonald, L., Smilkstein, R., & Miller Payne, E. (October, 2006). "Uniting professionals through research publication: CRLA Media Advisory Board." Presentation. Annual Conference of the College Reading and Learning Association. Austin, TX.

Higbee, J., Barajas, H., & Cordano, D. (July, 2006). "Universal Design for Multiculturalism: Strategies that Enhance Diversity Experiences." Paper presentation. Association on Higher Education and Disability Conference (AHEAD). San Diego, CA.

Higbee, J. L., Duranczyk, I. M., & Lundell, D. B. (September, 2006). "Including every student: Implementing universal instructional design in developmental education." Minnesota Chapter of the National Association for Developmental Education Annual Conference. Grand Rapids, MN.

Higbee, J. L., & Goff, E. (October, 2006). "Universal Design principles for student services." Paper presentation. Annual Conference of the Minnesota College Personnel Association. Minneapolis, MN.

Higbee, J. L., Lundell, D. B., & Duranczyk, I. M. (September, 2006). "Including every student: Implementing Universal Instructional Design in developmental education."

Paper presentation. Thirteenth Annual Conference of the Minnesota Association for Developmental Education. Grand Rapids, MN.

Jacobs, W. R. (March, 2007). "Living with Social Ghosts." University of Minnesota Diversity Through the Disciplines. Minneapolis, MN.

Jacobs, W.R. (February, 2007). "Literacies of the Lower Frequencies: Social Ghosts and Experimental Media Pedagogy." Keynote address. National Council of Teachers of English Assembly for Research Midwinter Conference. Nashville, TN.

James, P., Bruch, P., & Jehangir, R. (September, 2006). "Developing identity, community, and agency in a first year learning community." Focusing on the First-Year Conference. Minneapolis, MN.

Jehangir, R., & Stebleton, M. (October, 2006). "What is Your Story? Using Narrative to Build Student Connections." Minnesota College Personnel Association. Minneapolis, MN.

Jensen, M. (June, 2006). "Using games to help students learn anatomy and physiology." Paper presentation. Human Anatomy and Physiology Society Annual Meeting. Austin, Texas.

Jensen, M. (May, 2006). "The anatomy bowl: Student competition and cooperation." Classrooms of the Future: Critical Reflections on Technology. St. Paul, MN.

Jensen, M. (October, 2006). "Teaching biology in a stadium environment." Paper presentation. Science Education at the Crossroads Conference. Ogden, UT.

Jensen, M., Moore, R., & Hatch, J. (2007). "Learning through games in an anatomy and physiology course." National Science Teachers Association (NSTA). St. Louis, MO.

Miksich, K., Sun, J.C., Daniel, T.K., & LaNear, J. (2006). "Legal research as method and a tool to advance higher education policy." Workshop. Association for the Study of Higher Education (ASHE) Public Policy Forum. Anaheim, CA.

Miksich, K. (2006). "Widening the River: Challenging Unequal Schools in Order to Contest Prop. 209." Paper presentation. Equal Opportunity in Higher Education: The Past & Future of Proposition 209, a UC Berkeley School of Law and Chief Justice Earl Warren Institute on Race, Ethnicity and Diversity Symposium. Berkeley, CA.

Miksich, K. (2006). "Access to higher education shrinking." Paper presentation. Education Law Association (ELA) annual conference. Nassau, the Bahamas.

Miksich, K. (2006). "Don't bow to peer pressure: Legal and Policy justifications for race-conscious programs." Paper presentation. American Educational Research Association (AERA) conference. San Francisco, CA.

Sun, J.C., Daniel, T.K., LaNear, J., **Miksch, K.**, & Melear, K.B. (2006). "Legal research as a tool and method to advance education scholarship." Workshop presentation. American Educational Research Association conference. San Francisco, CA.

Moore, R. (2006). "Educational malpractice: Biology teachers who teach creationism." National Association of Biology Teachers (NABT). Albuquerque, NM.

Moore, R. (2006). "Creationism in Minnesota's biology classrooms? What the courts have said about the teaching of evolution and creationism." Minnesota Citizens for Science Education. Minneapolis, MN.

Moore, R. (2006). "Whatever happened to...? The lives of the key participants in the Scopes Trial." Deconstructing Scopes Symposium. Dayton, TN.

Moore, R. (2006). "Dinner with Darwin." Keynote speech. National Association of Biology Teachers (NABT). Albuquerque, NM.

Moore, R. (2006). "Teaching evolution." Minnesota Science Teachers Association. Lakeville, MN.

Moore, R. (2006). "Improving teaching and learning in college science classrooms." National Science Teachers Association (NSTA). Omaha, NE.

Moore, R., Jensen, M., & Hatch, J. (2007). "Can a "reality check" improve the academic performances of developmental education students in introductory science courses?" National Science Teachers Association (NSTA). St. Louis, MO.

Moore, R., M. Jensen, and J. Hatch. (April, 2006). "Do Introductory Science Courses Select for Effort or Aptitude? 54th NSTA National Conference on Science Education. Anaheim, CA.

Reynolds, T. (March, 2007). "Research and the Teaching of Composition: New Beginnings on the University of Minnesota Twin Cities Campus." Panel presentation. MNSCU Conference. Minneapolis, MN.

Reynolds, T. (March, 2007). "Publishing and Composition in '63." Panel presentation. Conference on College Composition and Communication. New York, NY.

Schultz, J. L., & Higbee, J. L. (September, 2006). "Finding the pulse: Assessing factors related to the success of developmental education students." Paper presentation. Thirteenth Annual Conference of the Minnesota Association for Developmental Education. Grand Rapids, MN.

Staats, S. (July, 2006). “Standard mathematics discourses of developmental algebra undergraduates”. Presentation. 30th conference for the Psychology of Mathematics Education. Prague, Czech Republic.

Staats, S. (July, 2006) “Students’ linguistic strategies for shared authority in undergraduate algebra discussions.” Poster presentation. 30th conference for the Psychology of Mathematics Education. Prague, Czech Republic.

Xiong, Z. B. (February, 2007). “The importance of early childhood education in immigrant families.” Invited keynote presentation. Minnesota Department of Human Services, Community Partnership Division, Early Childhood Programs. Roseville, MN.

Xiong, Z. B. (February, 2007). “Early childhood education and school readiness issues.” Invited presentation. Asian American and Pacific Islander Day at the Capitol. St. Paul, MN.

Xiong, Z. B. (January, 2007). “Impacts of the family environment on achievement gaps.” Invited presentation. State of Minnesota Legislative Finance Committee. St. Paul, MN.

Xiong, Z. B. (December, 2006). “Interventions with diverse audience: Understanding the unique characteristics of each Southeast Asian community.” Invited keynote presentation. Annual Minnesota Southeast Asian Tobacco Conference. St. Paul, MN.

Xiong, Z. B. (November, 2006). “Early childhood education: Why do we care?” Invited keynote presentation. First Hmong Early Childhood Education Symposium. Brooklyn Park, MN.

Xiong, Z. B. (June, 2006). “Perspectives on early childhood in new immigrant and refugee communities.” Invited presentation. Healing Vessels Conference sponsored by the Department of Human Services. Minneapolis, MN.

Xiong, Z. B. (June, 2006). “Community-based participatory research: Using the Southeast Asian intergenerational relations project as an illustration.” Invited presentation. Minnesota Asian Health Data Summit III: Expanding traditional research to accommodate the API Community. Minneapolis, MN.

Yahnke, R., Vanden Bosch, J., Moody, H., & Winokur, J. (2007). “Boomers in focus: Filmmakers turn the lens on their parents and themselves.” .Workshop. American Society on Aging. Chicago, IL.

Yahnke, R. , Nicholas, C., Butler, C., Solokoff, S., Manheimer, R., & Eversoll, D. (2007). “The elderquest in today’s movies and novels: A positive way to experience today’s aging at 19 lifelong learning institutes.” Symposium. American Society on Aging. Chicago, IL.

Yahnke, R. (2006). “Using videos to explore ageism and gerontophobia.” Workshop. Minnesota Gerontological Society. Minneapolis, MN.

Monographs

Duranczyk, I.M., & Goff, E. “Student standpoints about access programs in higher education.” In D. B. Lundell, J. L. Higbee, I. M. Duranczyk, & E. Goff (Eds.), *Student standpoints about access programs in higher education*. Minneapolis, MN: Center for Research on Developmental Education and Urban Literacy, Department of Post-Secondary Teaching & Learning, University of Minnesota.

Ghere, D.L., Kampsen, A., Duranczyk, I.M., & Christensen, L. (In press). “Adopting and integrating multiculturalism: A closing assessment of General College.” In D.B. Lundell, J.L. Higbee, and I.M. Duranczyk (Eds.), *Diversity and the Postsecondary Experience*. Minneapolis, MN: Center for Research on Developmental Education and Urban Literacy, General College, University of Minnesota.

Higbee, J. L., Lundell, D. B., & Duranczyk, I. M. (Eds.). (In press). *Diversity and the postsecondary experience*. Minneapolis, MN: Center for Research on Developmental Education and Urban Literacy, University of Minnesota.

Higbee, J. L., Siaka, K., & Bruch, P. L. (In press). “Student perceptions of their multicultural learning environment: A closer look.” In J. L. Higbee, D. B. Lundell, & I. M. Duranczyk (Eds.), *Diversity and the postsecondary experience*. Minneapolis, MN: Center for Research on Developmental Education and Urban Literacy, College of Education and Human Development, University of Minnesota.

Moore, R., & Jensen, M. (2006). “Developmental education students’ views of college: What uncouples students’ goals from students’ outcomes?” In D. B. Lundell, J. L. Higbee, I. M. Duranczyk, & E. Goff (Eds.), *Student standpoints about access programs in higher education*. Minneapolis, MN: Center for Research on Developmental Education and Urban Literacy, Department of Post-Secondary Teaching & Learning, University of Minnesota.

Grants and Awards

Duranczyk, I.M. (May, 2006). Continued work on (a) increasing opportunities for undergraduates who may be interested in pursuing a STEM-based (Science, Technology, Engineering, or Mathematics) degree and (b) continued analysis of the GC mathematics Program data (2001-2005) to seek a better understanding of the differences in the contributions/impact of intellectual development and pedagogy preferences by ethnicity and gender on performance in the mathematics classroom. Women’s Philanthropic Leadership Circle. \$2,000.

Fayon, A.K. (2006). “Effects of crystal defects on cation diffusion rates in apatite.” University of Minnesota Grant-in-Aid. Principal Investigator. \$22,257.

Grier, T. L. (2007). University of Minnesota Grant-in-Aid of Research, Artistry, and Scholarship Program. Principal Investigator. \$27,142.

Jehangir, R. (2007). "Study on Longitudinal Impact of Learning Communities on First-Generation College Students." University of Minnesota President's Faculty Multicultural Research Award. Principal Investigator. \$14,000.

Jensen, M. (2006). "In Your Ear, On the Air, For Your Eye: Podcasting and Wikis as Tools for Universal Instructional Design." University of Minnesota Technology-Enhanced Learning Initiatives. \$9,990.

Staats, S. (2006). Travel support to the International Group for the Psychology of Mathematics Education Conference, Prague, Czech Republic. University of Minnesota Office of International Programs. \$500.

Recognition

Duranczyk, I. (2007). Outstanding Research Award. National Association of Developmental Educators (NADE).

Grier, T. L. (2006). Distinguished Contributions as an Early Career Professional in Minnesota Award. Minnesota Psychological Association.

Jensen, M. (2007). Outstanding Undergraduate Science Teacher Award. Sponsored by the Society for College Science Teachers, a division of the National Science Teachers Association.