

## **BLAIR DICKSON ORR**

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### **EDUCATION**

Doctor of Philosophy - Forestry, University of Wisconsin-Madison, August 1988. Major field: Forest Economics, Minor: Economics. Awards: National Science Foundation Fellow, Wisconsin Alumni Research Foundation Fellow, Wisconsin Garden Club Federation Scholarship, and Marquis Award in Natural Resource Economics. Dissertation: Employment Instability in Forested Counties. Major Professor: Dr. Joseph Buongiorno.

Master of Arts - Economics, University of Wisconsin-Madison. 1986.

Bachelor of Science with honors - Natural Resources, University of Wisconsin-Madison, 1977, with majors in forestry and soil science. Honors: Alpha Zeta, Gamma Sigma Delta, Phi Kappa Phi, Xi Sigma Pi, Xi Sigma Pi national forestry scholarship 1977.

### **EXPERIENCE**

Professor of Forestry (Economics), Michigan Technological University, Houghton, MI. . Teaching and research in forest economics, social forestry, forestry and community development. September 2006 to present.

Associate Professor of Forestry (Economics), Michigan Technological University, Houghton, MI. . Teaching and research in forest economics, natural resource policy, economics of pollution prevention, social forestry, agroforestry, international forestry. Coordinator of Loret Miller Ruppe Peace Corps Master's International Program in Forestry. Coordinator of International Programs. September 1998 to August 2006.

Assistant Professor of Forestry (Economics) Michigan Technological University, Houghton, MI. Adjunct Assistant Professor of Economics. School of Business and Economics. August 1992 to September 1998

Assistant Professor of Forestry, The University of the South, Sewanee, TN. Teaching areas include soils, biometrics, economics, surveying, forest management, forestry in developing countries, and hydrology. August, 1988 to August 1992.

Research Fellow, Department of Forestry, University of Wisconsin. Funded by National Science Foundation and Wisconsin Alumni Research Foundation. Study of employment in forested counties. 1984 to 1988

Research Assistant, Department of Forestry, University of Wisconsin. Responsible for research on projected harvests through 2030 on the Chippewa and Superior National Forests, Minnesota. 1984.

Project Forester and Field Forester, Interchurch Response, Luuq, Somalia. Responsible for forestry project in eight refugee camps. Primary activities: project design, personnel, planning, budgeting, procurement, reporting, and administration of a community based fuelwood project. Supervision of research. 1982 to 1983.

Utilization Officer, Lesotho Woodlot Project, Leribe, Lesotho. Established procedure for village woodlot sales. United States Peace Corps Volunteer. 1981.

District Forest Officer, Thaba-Tseka District, Thaba-Tseka, Lesotho. Responsible for all forestry activities in the district. Primary activities: community extension, nursery supervision, plantation establishment, budgeting, planning and personnel. United States Peace Corps Volunteer. 1980-1981.

Forest Research Officer, Thaba-Tseka Integrated Rural Development Project, Thaba-Tseka, Lesotho. Primary research areas: nursery practice and establishment technique. United States Peace Corps Volunteer. 1978-1980.

**Other:** Forest soils research technician; timber marker with U.S. Forest Service and private company; thinner with U.S. Forest Service; 2 months in Niger working on long term monitoring, research and reporting of natural forest management with Volunteers in Overseas Cooperative Assistance; 2 months on input-output analysis for pollution prevention with Econometrics Research Limited, Hamilton, Ontario.

## PROFESSIONAL ORGANIZATIONS

Society of American Foresters  
Newsletter Editor for International Forestry Working Group  
International Society of Tropical Foresters  
Newsletter Editor  
Returned Peace Corps Volunteers of Lesotho  
Forest Stewards Guild  
The Society for Economic Botany  
Council Member

## AWARDS

Achievement Award from Lake Superior Magazine for work on the Lake Superior Binational Forum

Distinguished Teaching Award, School of Forestry and Wood Products 1994-95, 1995-96, and 1999-2000.

2002 University Faculty Distinguished Service Award for development of the Peace Corps Master's International Program.

Returned Peace Corps Volunteer of the Month, October 2004

Inducted into Michigan Technological University Academy of Teaching Excellence, 2007

University Distinguished Teaching Award. 2010.

White House Champion of Change. 2011.

Michigan Technological University Board of Control Silver Medal, 2012.

## STUDENT SUPPORT ACTIVITIES

Faculty Advisor to the Michigan Tech Nordic Ski Club (2001-present)

Faculty Advisor to Xi Sigma Pi (2015-present)

Director of University Peace Corps Master's International Programs (1996-2012)

Director of University OSM/VISTA and Peace Corps Fellows Programs (2012-present)

## GRADUATE STUDENTS (76)

Glade M. Sowards, Don Czarniewski, Andrew Brower, Daniel Bergert, Jeffrey Ploetz, Kerry L. Ploetz, Katrina M. Schnobrich, Lynne Kraskouskas, Joshua D. Amend, William Heist, Alec Jarvis, Kristen M. Rahn, Wendy Owens, Kristina Owens, Matthew P. Judd, Frank Aragona, C. Michael Downs, Andrea M. Durham, Sara D. Keinath, Margaret Shao, Michael Jones, Susan G. Fox, Matthew Cohen, Kelley Bassett Gundale, Kara M. Filius, Virginia Harrison, Jennifer L. Papillo, Adrienne Blauser, Marge Ely, Greer Gurganus, Kathryn Lincoln, Russell P. Slatton, Daniella K. Zanin, Jason Anderson, David R. Critton, Brian Satterlee, William A. Hart, Francesca Paulete, Olaf Zerbock, Amber Lily Kenny, Casey Rosengarden, Bryan Roosien, Tasha Hernandez, Gisselle Mejia, Noah Daniels, Jason Rhoades, Patricia Butler, Kristina Denison, Jonathan D. Carlson, Callie M. Bertsch, Michelle Cisz, Ashley Hippler, Kristin Hettich, Evan A. Anderson, Yaw Ofori Lartey, Joshua Mann, Paige Cox, Kyle Earnshaw, Paul D. Francis, Brian Pattullo, Margaret Fox, Brian W. Barbre, Ruth Bennett, Chistine L. Jones, Jonathan Malette, Katie Preston, Mary Snyder, Andrew Miller, Brook Alloway, Fahimeh Bazari, Justin Gelb, Kyle D. Fredrickson, Noah Goyke, S. Martin Aksentowitz, Megan Cleaver, Khalilu-Abraham Kromah, Evan Lanesse.

## PUBLICATIONS AND PRESENTATIONS

a. *Refereed Publications* (\* = graduate student, \*\* = undergraduate student)

Orr, B. 1985. Refugee forestry in Somalia. *The Rural Sociologist*. **5**(4):267-272.

Orr, B., and J. Buongiorno. 1989. Improving estimates of employment in small geographic areas. *J. of Economic and Social Measurement*. **15**(3/4):225-236.

Orr, B., and K.J. Lee. 1990. A nonparametric analysis of variable cost minimization in the US paper industry. *Applied Economics*. **22**(6):839-852.

Orr, B.D., and J. Buongiorno. 1991. Employment instability in forested counties. *J. of World Forest Resource Management* **5**(2):115-131.

- Orr, B.D., D.D. Reed and G. Mroz. 1994. Three basal area level harvest trials in uneven-aged northern hardwoods. *Northern Journal of Applied Forestry* **11**(4):117-123.
- Orr, B. 1995. Natural forest management in Sahelian ecosystems of southern Niger. *J. of Arid Environments*. **30**:129-142.
- Orr, B. 1996. A rapid method of estimating soil erosion using trapped sediment: A case study from a forest road on the Cumberland Plateau of Tennessee. *Mountain Research and Development* **16**(4):419-423.
- Orr, B. 1997. Land use change on Michigan's Lake Superior shoreline: integrating land tenure and land cover type data. *Journal of Great Lakes Research* **23**(3):328-338.
- Orr, B., C.E. Coole, and G.M. Sowards\*. 2000. Costs of Demonstration Projects: A Case Study of Timber Bridge Construction. *Journal of Transportation Engineering* **126**(3):279-281.
- Orr, B., J.R. Mihelcic, and T. Van Dam. 2003. Engineering help while getting a degree. *IEEE Potentials* **22**(2):32-34.
- Martinez, I.\*\*, J.B. Pickens, D.L. Richter, and B. Orr. 2003. Eutypella Canker Clustering and Volume Loss in the Western Upper Peninsula of Michigan. *Northern J. of Applied Forestry*. **20**(4):186-187.
- Orr B., and J.B. Pickens. 2003. Public Access to Lake Superior and Attribute Values of Proximate Non-Shoreline Property. *J. of Great Lakes Research* **29**(4):616-629.
- Ploetz, K.\*, and B. Orr. 2004. Wild herb use in Bulgaria. *Economic Botany* **58**(2):231-241.
- Jarvis, MC\*\*, AM Miller\*\*, J Sheahan\*\*, K Ploetz\*, J Ploetz\*, RR Watson\*\*, MP Ruiz\*\*, CAP Villapan\*\*, JG Alvarado\*\*, AL Ramirez, & B Orr. 2005. Edible wild mushrooms of the Cofre de Perote Region, Veracruz, Mexico: an ethnomycological study of common names and uses. *Economic Botany*. **58**(Supplement):S111-S115.
- Cohen, M.E.\*, J. B. Pickens, J. Cardenas Castillo, and B. Orr 2005. Ecological suitability and tree seedling survival in the Bolivian Altiplano. *Ecologia Austral* **15**:207-215.
- Jones, Michael J.\*, and B. Orr. 2007. Resin Tapping and Forest Cooperatives in Honduras. *J. of Sustainable Forestry* **22**(3/4):135-169.
- Orr, B. 2007. Cross-Country Skiing USSA Points as a Predictor of Future Performance among Junior Skiers. *The Sports Journal*. Online. Vol 10, No. 4. <http://www.thesportjournal.org/2007Journal/Vol10-No4/03orr.asp>
- Slatton, R.\*, and B. Orr. 2008. A Smorgasbord of Agricultural Technologies: Farmers' Choices and Lessons from Chalite, Panama. *Development in Practice*. **18**(1):125-130.
- Satterlee, B.M.\*, M. Yemefack, and B.D. Orr. 2009. Maize yield and soil property responses to *Entada abyssinica* (Steud. ex A. Rich.) cuttings in the Adamawa Lowlands, Cameroon. *J. of Food, Agriculture and Environment* **7**(1):192-196.
- Webster, C.E., D.D. Reed, B.D. Orr, J.S. Schmierer, and J.B. Pickens. 2009. Expected Rates of Value Growth for Individual Sugar Maple Crop Trees in the Great Lakes Region. *Northern Journal of Applied Forestry*. **26**(4):133-140.
- Pickens, J.B., D.L. Johnson, B.D. Orr, D.D. Reed, C.E. Webster, J.S. Schmierer, and. 2009. Expected Rates of Value Growth for Individual Sugar Maple Crop Trees

- in the Great Lakes Region: A Reply to John E. Wagner's Comment. *Northern Journal of Applied Forestry*. **26**(4):145-147.
- Paulete, F.E.\*, B. Orr. 2010. Combining Technical Competence and Stakeholder Impact in Environmental Education: The Gambia All Schools Nursery Competition. *Applied Environmental Education and Communication*. **9**(1):18-27.
- Lincoln, K.\* and B. Orr. 2011. The use and cultural significance of the pita plant (*Aechmea magdalenae*) among Ngöbe women of Chalite, Panama. *Economic Botany*. **65**(1):13-26. DOI 10.1007/s12231-010-9144-x
- Aragona, F.B.\*, and B. Orr. 2011. Agricultural intensification, monoculture and economic failure: The case of onion production in the Tipajara Watershed on the eastern slope of the Bolivian Andes. *Journal of Sustainable Agriculture*. **35**(5):467-492. DOI: 10.1080/10440046.2011.579832
- Rhoades, J.L.\*, M.S. Demeyan, and B. Orr. 2011. Impacts of Deforestation and Land Cover Change on Mountain Soils in Hrazdan, Armenia. *Journal of Sustainable Forestry*. **30**(7):677-696. DOI: 10.1080/10549811.2011.567965
- Seib, M.D.\*, K.C. Arnold, and B. Orr. 2012. Effectiveness of 3M™ Petrifilm™ as a Teaching Tool in Rural Mali. *Development in Practice*. **22**(2):267-271. DOI: 10.1080/09614524.2012.640985
- Oswald, J.R.\*\*\*, and B. Orr. 2012. Non-Financial Tax Compliance: Elements of Management Plans Required by Michigan's Commercial Forest Act. *J. of Horticulture and Forestry*. **9**(4):148-152. DOI: 10.5897/JHF11.076
- Fox, M.M.\*, S.J. Trull, and B. Orr. 2012, Effect of Selection Logging on *Carex assiniboensis* W. Boott in a Northern Hardwood Stand *Michigan Botanist*. 51(3):110-116. (dated 2012, published 2013)
- Williams, R., T. Kuzmic, and B. Orr. 2013. The Student-Citizen and Study Abroad. *J. of Forestry*. 111(4):300-302.
- Earnshaw, K.M.\*, and B. Orr. 2013. Soil moisture, field-scale toposequential position, and slope effects on yields in irrigated rice (*Oryza sativa* L.) fields in Honduras. *Agricultural Sciences*. **4**(8A):1-8. (Special issue on Water Management in Agriculture.) <http://dx.doi.org/10.4236/as.2013.48A001>
- Cisz, M.E.\*, M.J. Falkowski, and B. Orr. 2013. Small-scale spatial patterns of *Copernicia alba* Morong near Bahia Negra, Paraguay. *Natural Resources* **4**:369-377. <http://dx.doi.org/10.4236/nr.2013.45045>
- Fox, M.M.\*, S.J. Trull, and B. Orr. 2013. Suitability of *Cardamine concatenata* (Michx.) Sw. as an Indicator Species on the Ottawa National Forest. *Michigan Botanist*. 51(4):121-132. (dated 2012, published 2013)
- Kenny, A.L.\*, J.B. Pickens, and B. Orr. 2014. Modeling Teak Introduction on Smallholder Farms in Southern Togo. *Journal of Sustainable Forestry*. **33**(8):776-795.
- Sterling, S.J.\*\*\*, and B. Orr. 2014. Patterns of tree distribution in small communities of the Sudanian Savana-Sahel. *Land* **3**(4):1284-1292.
- Mejia, G.A.\*, and B. Orr. 2015. Forest management plans in Los Planes de La Palma, El Salvador. *Natural Resources* **6**:527-533.
- Preston, K\*., T.G. Pypker, and B. Orr. 2017. Women and fuelwood in Lupeta, Tanzania: constraints to alternative fuels and fuelwood management strategies.

J. of Sustainable Forestry. print version is forthcoming. online now available:  
<http://dx.doi.org/10.1080/10549811.2017.1313165>

- Goyke, N.\*, and B. Orr. 2018. The local migration of plant-based medicines from rural communities to Gral. E. Aquino, Paraguay. *Natural Resources*. 9:429-447.
- Goltz, S.M., A.L. Mayer, and B. Orr. (forthcoming 2020). Applied behavior analysis as a development tool: Examples from agroforestry. [Graeme Review] *Journal of Sustainable Forestry*.

*b. Other Publications*

- Orr, B. 1971. Pre-glacial and post-glacial structure and topography of an area in Madison Wisconsin. *Wisconsin Junior Academy Journal*. 1:11-13.
- Buongiorno, J., and B. Orr. 1976. The long term trend of prices in the maple syrup industry. *Natl. Maple Syrup Digest* 15(2):20-21.
- Orr, B., J. Buongiorno, T. Young, D. Lothner, and E. Kallio. 1984. Estimating future harvest levels on the Chippewa and Superior National Forests. USDA Forest Service, Resource Bulletin NC-89. 11 p.
- Orr, B. 1985. Refugee forestry in Somalia: The step plan generates community involvement. Staff Paper No. 22. Dept. of Forestry, U. of Wisconsin, Madison, WI 53706 USA. 9 p.
- Wieland, R.G., B.D. Orr, and W. Helin. 1985. Species elimination trials for reforestation in S.W. Somalia. *Nitrogen Fixing Tree Research Reports*. 3(1):42-45.
- Clatterbuck, W.K., and B. Orr. 1988. A financial comparison of short and long term timber rotations associated with two patterns of cherrybark oak development. In: *Proceedings of the Fifth Biennial Southern Silvicultural Research Conference*, Memphis, Tennessee, November 1-3, 1988. New Orleans, Louisiana, USDA Forest Service, Southern Forest Experiment Station, General Technical Report SO-74. pp 309-315.. Also presented.
- Orr, B.D., T.H. Chesnut\*\*, and G.W. Smalley. 1991. The water balance in the southern interior uplands: A standard hydrologic tool provides easily interpreted information about soil moisture and site productivity. *Proceedings of the Sixth Biennial Silviculture Conference*, Memphis TN. p. 485-495. Also presented.
- Sutton, J.A.\*\*\*, and B. Orr. 1991. The use of the school essay as an RRA technique: A case study from Bong County, Liberia. *RRA Notes* 14(December, 1991):33-38.
- Orr, B. 1991. Employment instability and growth: Are there lessons from East Asia for forested counties in the United States?" *Conference Proceedings of Forest Resources and Economy Conference*, National University of Taiwan, Taipei, Taiwan. December 17, 1991 p. 273-286.
- Orr, B. 1994. Review of "Beyond preservation: restoring and inventing landscapes.", Baldwin, A.D., J. de Luce, and C. Pletsch, eds. *Choice*. 31(11/12):1746.
- Orr, B. 1994. Developing an undergraduate course on forestry in the Third World. 4 p. in Canham, H. *Proceedings of Education for forest resources: new directions for the 21st century*. Syracuse, NY, March 10-12, 1994.

- Orr, B.D. 1994. An overview of the role of economic instruments to implement zero discharge of persistent toxic chemicals in the Lake Superior Basin. p. 137-143 in Orr, B.D., J.F. Diebel, J.B. Pickens, and M.C. Roberts (tech. coords.) 1994. Proceedings of the symposium on economic incentives to implement zero discharge of persistent toxic chemicals in the Lake Superior Basin. November 9-10, 1993, Houghton, MI 184 p.
- Orr, B. 1996. Will cleanup kill jobs? Lake Superior Magazine, February-March 1996, p. 32.
- Orr, B. 1996. Extra readings stimulate student discussion. The Chronicle of CQI: The Newsletter of Continuous Quality Improvement in Education. 2(1):3-4.
- Orr, B., A. Vogt, and K. Markgraf. 1996. Development of a national forestry honors program. pages 66-70 in Proceedings of the First Biennial Conference on University Education in Natural Resources. Finley, J.C., and K. Steiner (eds) Pennsylvania State University, University Park, PA. March 3-5, 1996. Also presented.
- Orr, B. 1996. Extra readings as a catalyst for class discussion: Examples from a course in natural resource policy. pages 44-51 in Proceedings of the First Biennial Conference on University Education in Natural Resources. Finley, J.C., and K. Steiner (eds) Pennsylvania State University, University Park, PA. March 3-5, 1996. Also presented.
- Orr, B., G. Bluth, C. Johnston, P. Arvo, and J. Silbernagel. 1996. Lake Superior, Section 3.1 (pages 1-9+) in "Lake-by-lake analysis" State of the lakes ecosystem conference 1996 - Working Paper.
- Sowards, G.M.\*, J. Wang, B. Orr, and K. Stanfill-McMillan. 1996. National cost study on timber bridges. pages 480-489 in Proceedings of the National Conference on Wood Transportation Structures, October 23-25, 1996, Madison, WI. Ritter, M.A. *et al.* (eds.). USDA Forest Service General Technical Report FPL-GTR-94. 494 p. Also presented.
- Orr, B. 1998. Review of "Plant collectors in Madagascar and the Comoro Islands" by Laurence Dorr. Journal of African Travel Writing. 4:87-89.
- Orr, B. 1998. Review of "Plant collectors in Madagascar and the Comoro Islands" by Laurence Dorr. Forest Science 44(1):178-179.
- Orr, B., T. Monson, and K. Strong. 2000. The Certificate in Industrial Forestry. Proceedings of Third Biennial Conference on University Education in Natural Resources, March 25-28, 2000. Columbia Missouri.  
<http://www.snr.missouri.edu/meetings/uenr/Proceedings.pdf>
- Orr, B., J. Chadde, and S. Oppliger. 2000. Communicating Science: Training students to talk to the lay public. Proceedings of the Third Biennial Conference on University Education in Natural Resources, March 25-28, 2000. Columbia Missouri
- Noble, S., B. Orr, P. Araman, J. Baumgras, J. Pickens. 2000. A computerized bucking trainer for optimally bucking hardwoods. pages 11-18 in Meyer, D.A. (ed.) 2000. Proceedings of the 28<sup>th</sup> Annual Hardwood Symposium, Davis, West Virginia, May 11-13, 2000. 160+ pp.
- Orr, B. 2002. From Snow to Sand: Michigan Tech's One-Semester Study-Aboard Program in Veracruz, Mexico. Proceedings of the National Convention of the Society of American Foresters. October 6-8, 2002. Winston-Salem, NC.
- Scott Noble, Blair Orr, James B. Pickens, Philip Araman, John Baumgras, and Al Steel. 2005. HW Buck for Windows: The Optimal Hardwood Log Bucking Decision Simulator

with Expanded Capabilities. in Proceedings of the SAF National Convention, Fort Worth, Texas, October 19-23, 2005

*c. Reports*

- Orr, B. 1991. Comments on "A fuelwood inventory manual for Niger" by James Alegria and "Dry weight, volume, and growth equations for *Combretaceae* in the Niamey Department" by James Alegria. unpublished report for U.S. Agency for International Development/Niger. 3 p.
- Orr, B. 1991. Recommendations for improving monitoring, research and reporting by Peace Corps Volunteers and Their Counterparts in Niger. Unpublished report for Volunteers in Overseas Cooperative Assistance, 50 F St., N.W., Suite 1075 Washington, D.C. 67 p.
- Orr, B. 1994. Partial bibliography of materials for a course on forestry in the Third World. unpublished. 53 p.
- Orr, B. 1994. Michigan Technological University. p. 78-79 in Profiles of international programs at U.S. natural resource schools. Force, Jo Ellen, et al. eds., USDA Forest Service, International Forestry, Forestry Support Program. 178 p.
- Orr, B., J.B. Pickens, J.D. Amend\*, J.D. Ploetz\*, and K. Ploetz\*. 2001. Economic values of protected areas associated with private property along Michigan's Lake Superior Shoreline. Report to the Michigan Office of the Great Lakes. 38 pp.
- Pickens, James B., Blair D. Orr, and Scott Noble. 2003. FINAL REPORT for Extensions to Optimal Hardwood Log Bucking Technology and the HW-Buck Decision Simulator. 3 pages.
- Pickens, James B., Scott D. Noble, and Blair Orr. 2005. Grading and Scaling of the Log Database Maintained by NE-RWU-4701: "Efficient Use of the Northern Forest Resource" 6 pages.
- Pickens, James B., Aaron Everett\*\*, Scott Noble, and Blair D. Orr. 2005. Determining increased value recovery from intensive log bucking training using HW-Buck, report to the Wood Education Resource Center of the Northeastern Area State and Private Forestry, USDA Forest Service, 23 p + appendices (170 p).
- Paulete, F.E\*, B.D. Orr, and S. Sameteh. 2008. Teaching Trees: Grassroots Reforestation Efforts for Gambian Schools. Proceedings Paper. April 2008.

*d. Books and Proceedings Authored or Edited.*

- Orr, B.D., J.F. Diebel, J.B. Pickens, and M.C. Roberts (tech. coords.) 1994. Proceedings of the symposium on economic incentives to implement zero discharge of persistent toxic chemicals in the Lake Superior Basin. November 9-10, 1993, Houghton, MI 184 p.

*e. Book Chapters.*



- Orr, B. 1986. A description of the forestry step plan for refugees in Somalia: in: "The forestry step plan: a case study for project design." H. Vukasin (ed.). CODEL, NY, NY. p. 3-11.
- Orr, B. 1996. Understanding natural long-term environmental processes: Examples from the Himalayas and the Sahel. pages 392-404: Chapter 25 in Forests: A Global Perspective. S.K. Majumdar, E.W. Miller, and F.J. Brenner (eds) The Pennsylvania Academy of Sciences. 515 p.
- Thiéry, J.M., D.L. Dunkerley and B. Orr. 2001. Landscape models for banded vegetation genesis, pages 167-197 in Tongway, D.J., C. Valentin, and J. Seghieri. 2001. Banded Vegetation Patterning in Arid and Semi-Arid Environments: Ecological Processes and Consequences for Management. Springer-Verlag. Heidelberg, NY. 251 pp.
- Orr, B. and J. Annis 2009. "Participatory Approaches and Community Management in Engineering Projects" pp 31- 56 in Mihelcic, J. (ed). Field Guide to Environmental Engineering for Development Workers: Water Supply, Sanitation Systems, and Indoor Air Quality. ASCE (American Society of Civil Engineers) Press

*f. Computer Software.*

- Orr, B. An Excel Spreadsheet for Thornthwaite calculations for AET and PET in the southeastern United States. No proprietary rights.
- Noble, S, B Orr, and J Pickens. 2005. Conversion of HW Buck to the Windows operating system. (Contract with USDA Forest Service)
- Noble, S, J Pickens, and B. Orr. 2005. NE4701 Log Grader (A hardwood log grading and scaling program). (Contract with USDA Forest Service)

*g. Orally presented papers not published in a proceedings. (i) = invited. Bold = speaker.*

- Orr, B.D.**, T.H. Chesnut\*\*, and G.W. Smalley. 1990. The water budget and tree growth: three representative Cumberland Plateau soils. poster presented at the August 7th-9th, 1990 Third Tennessee Water Resources Symposium, Nashville, TN.
- Orr, B.** 1993. Somalia: Past, present, and future. Presentation at Tech Tea Time, Houghton, MI. January 27, 1993. (i)
- Orr, B.** 1994. A course on forestry in the Third World. Presented at Education for forest resources: New directions for the 21st century. Syracuse, NY, March 10-12, 1994.
- Orr, B.** 1994. The Appalachian Trail. Tech Tea Time, Houghton, MI. April 13, 1994.
- Eckman, K, and B. Orr.** 1994. Sustainable and nonsustainable forestry development work. Presented at Midwest Forest Economists' Meeting, August 22-24, Cedar, Michigan.
- Orr, B.** 1995. The tenuous link between zero discharge and sustainable development. Paper presented at the International Studies Association Meeting, February 21-25, 1995 Chicago, IL (i)
- Orr, B.** 1995. Mining and Resource Groups: Interactions and sustainability in the Upper Peninsula. Presentation at the Conference on Sustainable Development and Mining around Lake Superior. Sept. 21-22, 1995, Houghton MI. (i)

- Orr B., and L. Gravelines.** 1995. Transition economics in the Lake Superior Basin. Presentation at the 1995 Biennial Meeting on Great Lakes Water Quality, International Joint Commission, Duluth MN and Superior WI. Sept. 22-25, 1995 (i)
- Orr, B., A. Vogt, and K. Markgraf.** 1996. Development of a national forestry honors program. Paper presented at the First Biennial Conference University Education in Natural Resources. Pennsylvania State University, University Park, PA. March 3-5, 1996.
- Orr, B.** 1996. Extra readings as a catalyst for class discussion: Examples from a course in natural resource policy. Paper presented at the First Biennial Conference University Education in Natural Resources. Pennsylvania State University, University Park, PA. March 3-5, 1996.
- Thiéry, J.M. and B. Orr.** 1996. General models for banded vegetation patterns. Paper presented at the International Symposium on Banded Vegetation Patterning in Arid and Semi-Arid Environment: Ecological Processes and Consequences for Management. Paris, France, April 2-5, 1996. (i)
- Orr, B.** 1997. Integrating MI students into the academic system. Paper presented at the Second Annual Peace Corps Conference on Masters Internationals Students. Washington D.C., May 29-30, 1997 (i)
- Orr, B.** 1998. The Complexity of Environmental Degradation. Paper presented at the Health, Disease, and World Population Title VI Institute, The Carlson School of Management, The University of Minnesota, Minneapolis, MN, June 23, 1998 (i)
- Noble, Scott, James B. Pickens, and Blair Orr.** 1999. The HW-Buck Game: A computer tool to help hardwood log buckers increase value recovery. Wisconsin Society of American Foresters, Green Bay, WI. May 25-26, 1999.
- Orr, B.** 1999. Building and Running an MI Program: The University View. NAFSA: Association of International Educators, 1999 Region V Conference, Peoria IL, November 7-9, 1999. (i)
- Orr, B.** 1999. The Appalachian Trail. Tech Tea Time, Houghton, MI. December 8, 1999.
- Orr, B., T. Monson, and K. Strong.** 2000. The Certificate in Industrial Forestry. Presentation at the Third Biennial Conference on University Education in Natural Resources, March 25-28, 2000. Columbia Missouri.
- Orr, B., J. Chadde, and S. Oppliger.** 2000. Communicating Science: Training students to talk to the lay public. Presentation at the Third Biennial Conference on University Education in Natural Resources, March 25-28, 2000. Columbia Missouri
- Noble, S., B. Orr, P. Araman, J. Baumgras, J. Pickens.** 2000. A computerized bucking trainer for optimally bucking hardwoods. Annual hardwoods symposium, Davis, West Virginia, May 11-13, 2000.
- Orr, B.** 2000. Building and Running an MI Program: The University View. NAFSA: Association of International Educators, 2000 National Conference, San Diego, May 28 – June 2, 2000. (invited as the Region V Highlight) (i)
- Orr, B.** 2000. Workshop: International Programs for Students. Universidad Veracruzana. Xalapa Mexico. November 18, 2000. (i)
- Gundy, E.A.\*, J.B. Pickens, and B. Orr.** 2001. Private property value attributed to protected areas along Michigan's Lake Superior shoreline. US Society for Ecological Economics, Duluth MN, July 11-13, 2001.

- Orr, B.**, and J.B. Pickens. 2001. Public Shoreline and Private Property Values near Michigan's Lake Superior Shoreline. Paper presented at the RSAI North American Meetings, Charleston SC, November 15-17, 2001.
- Orr, B.** 2002. The Demographics of the Keweenaw. Xi Sigma Pi Symposium. School of Forestry and Wood Products, Michigan Technological University, Houghton MI. March 22, 2002.
- Orr, B.** 2002. Property Values and Proximity to Lake Superior Public Access. Xi Sigma Pi Symposium. School of Forestry and Wood Products, Michigan Technological University, Houghton MI. March 22, 2002.
- Pickens, J.**, S.D. Noble, J. Baumgras, A. Steele, and B. Orr. 2002. Improving value recovery of hardwood log manufacturers through optimal bucking training. Paper presented at the 2002 Northeast Utilization and Marketing Council Conference, Atlantic City NJ. June 17-20, 2002.
- Orr, B.** 2002. From Snow to Sand: Michigan Tech's One-Semester Study-Abroad Program in Veracruz, Mexico. Paper presented at the National Convention of the Society of American Foresters. October 6-8, 2002. Winston-Salem, NC.
- Paulete, F.E.\***, B. Orr, Saikou Samateh, 2007. Incorporating Environmental Education into Grassroots Reforestation Efforts: The Gambia All Schools Nursery Competition. Paper presented at the First Global Workshop on Improving Forestry Education. 25-27 September 2007. Nairobi.
- Paulete, F. E.\***, B.D. Orr, and S. Samateh. 2008. Teaching Trees: Grassroots Reforestation Efforts for Gambian Schools. Paper presented at the *International Conference on Environmental Education: Environmental Education Approaches for Sustainable Development and Poverty Alleviation: Learning from the Indigenous Cultural Communities/Indigenous People*; Banaue, Ifuago, Philippines. May 5-7, 2008. Sponsored by Environmental Education Network of the Philippines (EENP) and Ifugao State College of Agriculture and Forestry (ISCAF). (invited) (2<sup>nd</sup> place in Best Paper category.)
- Butler, Patricia\***, and Blair Orr. 2009. Solid waste management in Berd, Armenia. Poster presented at The 24th International Conference on Solid Waste Technology and Management, Philadelphia, PA, March 15 - 18, 2009.
- Anderson, Jason A.\*, and **Blair Orr**. 2009. The culture and economics of thimbleberry jam in the Keweenaw Peninsula, Michigan. Paper presented at the 50th Annual Meeting of the Society for Economic Botany, May 30-June 8, 2009, Charleston, SC.
- Orr, Blair**. 2010. Managing Peace Corps Master's International Programs. Presented at the Peace Corps Master's International Conference, Sept. 27-28, 2010, Washington DC. (i)
- Oswald, Jacob\*\*, and **Blair Orr**. 2010. Management plans required by Michigan's commercial forest act. Poster presentation at the Society of American Foresters Convention, Oct 27-Nov 1, 2010. Albuquerque NM
- Sterling, Sarah J.\*\***, and Blair Orr. 2010. "Urban" tree distribution and crown size within the Sahel. Poster presentation at the Society of American Foresters Convention, Oct 27-Nov 1, 2010. Albuquerque NM
- Francis, Paul D.\***, and Blair Orr. 2011. Timber Stand Management Techniques: A Case Study of Woodlots in Isangati, Tanzania. Poster presentation at the Society of American Foresters Convention, Nov. 2 - Nov 6, 2011. Honolulu, Hawai'i.

- Earnshaw, Kyle M.\***, and Blair Orr. 2011. EcoPark APUFRAM: Forest Management in the Dry Forest of Honduras. Poster presentation at the Society of American Foresters Convention, Nov. 2 - Nov 6, 2011. Honolulu, Hawai'i.
- Orr, Blair.** 2011. Global Competency of Peace Corps Master's International Students: Unplanned Service-Learning? Presentation at the Society of American Foresters Convention, Nov. 2 - Nov 6, 2011. Honolulu, Hawai'i.
- Orr, Blair.** 2012. Ethnobotanical Research within Peace Corps Master's International Programs. Poster presented at the 53rd Annual Meeting of the Society for Economic Botany, Frostburg, Maryland. June 3-7, 2012
- Bertsch, Callie\***, and Blair Orr. 2012. Economic and cultural significance of non-timber forest products for three cultural groups in the southwest Rhodope Mountain region of Bulgaria. Paper presented at the 53rd Annual Meeting of the Society for Economic Botany, Frostburg, Maryland. June 3-7, 2012.
- Malette, Jonathan W.\***, Ann Maclean, and Blair Orr. 2012. Remote sensing of tropical dry forest in NW Nicaragua. Poster presentation at the Society of American Foresters Convention, October 24-28, 2012, Spokane, Washington.
- Preston, Katie.\***, Thomas G. Pypker, and Blair Orr. 2012. Fuelwood collection in Lupeta, Tanzania. Poster presentation at the Society of American Foresters Convention, October 24-28, 2012, Spokane, Washington.
- Orr, B.** 2014. The Peace Corps Master's International Program at Michigan Tech. Presentation to deans, directors, department chairs, provost and other administrators at New Mexico State University, Las Cruces, New Mexico. April 16, 2014. (i)
- Orr, B.** 2014. The Michigan Tech – OSM / VISTA graduate degree program. Presentation at the Western Hardrock Watershed Team meeting. May 5-8, 2014. Mancos, Colorado. (i).
- Orr, B.**, and J. Goldenetz Dollar. 2014. Pacific Island Invasive Plants. Presentation at PD meeting, NIFA, Aug 5, 2014. Washington, DC,
- Orr, B.** 2016. Ethnobotany in the Peace Corps Masters International Program: A Retrospective. Presentation at the 57th Annual Meeting of the Society for Economic Botany, NIFA, June 8, 2016. Pine Mountain Settlement School, Kentucky.
- Orr, B.** 2019. Talking Science Isn't Easy. Stewards VISTA Training Conference, Waynesboro, PA. May 6-9, 2019 (i)
- Orr, B.** 2019. Finding a Graduate Program. Stewards VISTA Training Conference, Waynesboro, PA. May 6-9, 2019 (i)
- Orr, B.** 2019. Using Ethnobotany to Teach Global Literacy. 60th Annual Meeting of the Society for Economic Botany, June 2-6, 2019, Cincinnati OH.

## OTHER

1974 – Hiked Appalachian Trail from Georgia to Maine.