

## Curriculum Vitae

**Jeffrey John Gerwing**

27 July 2004

### Education

Ph.D	2001	Ecology, Pennsylvania State University
M.S.	1993	Botany, University of Florida
B.S.	1989	Botany, University of Wisconsin

### Employment

*Assistant Professor of University Studies*, Portland State University, Portland, OR. 2002 - present.

*Affiliate Researcher*, The Amazon Institute of People and the Environment (IMAZON), Belém, Pará, Brazil. 1993 - present.

*Instructor of Biology*, Penn State University, University Park, PA. 2001 - 2002.

*Tropical forestry certification consultant*, Institute of Forest and Agricultural Management and Certification, Piracicaba, SP, Brazil. 2002.

### Dissertation

Liana Ecology in the Eastern Amazon. 2001. Christopher Uhl.

### Refereed Publications

#### *Journal Articles*

Monteiro, A. L. S., de Souza Jr., C. L., Barreto, P. G., Pantoja F. S., **Gerwing, J. J.** 2004. Impactos da exploração madeireira e do fogo em florestas de transição da Amazônia Legal

(Impacts of logging on fire on Transitional Tropical Forest in the Southeastern Brazilian Amazon). *Scientia Florestalis* 65:11-21.

**Gerwing, J. J.** 2004. Life history diversity among six species of canopy lianas in an old-growth forest of the eastern Brazilian Amazon. *Forest Ecology and Management* 190:57-72.

**Gerwing, J. J.** & C. Uhl. 2002. Pre-logging liana cutting reduces liana regeneration in logging gaps in the eastern Brazilian Amazon. *Ecological Applications* 12:1642-1651.

**Gerwing, J. J.** & E. Vidal. 2002. Changes in liana abundance and species diversity eight years after liana cutting and logging in an eastern Amazonian forest. *Conservation Biology* 16: 544-548.

**Gerwing, J. J.** 2002. Degradation of forests through logging and fire in the eastern Brazilian Amazon. *Forest Ecology and Management* 157: 131- 141.

- Gerwing, J. J.** 2001. Testing liana cutting and controlled burning as silvicultural treatments for a logged forest in the eastern Amazon. *Journal of Applied Ecology* 38: 1264-1278.
- Gerwing, J. J.** & D. L. Farias. 2000. Integrating liana abundance and forest stature into an estimate of total above-ground biomass for an eastern Amazonian forest. *Journal of Tropical Ecology* 16: 327-336.
- Vidal, E., Johns, J., **Gerwing, J. J.**, Barreto, P. & Uhl, C. 1997. Vine management for reduced-impact logging in eastern Amazonia. *Forest Ecology and Management* 98: 105-114.
- Gerwing, J. J.** & C. Uhl. 1997. Conversion efficiency and opportunities for waste reduction in the log processing industries of eastern Pará state, Amazonia. *Journal of Tropical Forest Products* 3: 70-80.
- Uhl, C., Barreto, P., Veríssimo, A., Vidal, E., Amaral, P., Barros, A. C., Carlos Souza, J., Johns, J. & **Gerwing, J.** 1997. Natural resource management in the Brazilian Amazon; an integrated research approach. *BioScience* 47: 160-168.
- Uhl, C., Kulakowski, D., **Gerwing, J.**, Brown, M. & Cochrane, M. 1996. Sustainability: a touchstone concept for university operations, education, and research. *Conservation Biology* 10: 1308-1311.
- Gerwing, J. J.**, Johns, J. S. & Vidal, E. 1996. Reducing waste during logging and log processing: forest conservation in eastern Amazonia. *Unasylva* 47: 17-25.
- Gerwing, J. J.** 1995. Competitive effects of three tropical tree species on two species of *Piper*. *Biotropica* 27: 47-56.

#### Non-refereed Publications

##### *Books*

- Vidal, E. & **Gerwing, J.** 2003. Ecologia e Manejo de Cipós na Amazônia Oriental (Ecology and Management of Lianas in Eastern Amazonia). Belém, Brazil: Imazon. 141p.

##### *Articles*

- Gerwing, J.** & E. Vidal. 2002. Degradação de florestas pela exploração madeireira e fogo na Amazônia Oriental Brasileira. *Série Amazônica* N° 20, Imazon, Belém, Pará, Brazil, 26p.
- Gerwing, J.**, E. Vidal, A. Veríssimo, & C. Uhl. 2001. Rendimento no processamento de madeira no estado do Pará. *Série Amazônica* N° 18, Imazon, Belém, Pará, Brazil, 38p.
- Gerwing, J. J.**, P. Lockwood & Uhl, C. 1999. Acorn foraging as a means to explore human energetics and forge connections to local forests. *Bulletin of the Ecological Society of America* 80: 117-120.
- Vidal, E., Johns, J., **Gerwing, J. J.**, Barreto, P. & Uhl, C. 1998. Manejo de Cipós para a Redução do Impacto da Exploração madeireira na Amazônia oriental. *Série Amazônica* N° 13, Imazon, Belém, Pará, Brazil, 18p.
- Vidal, E., **Gerwing, J. J.**, Barreto, P., Amaral, P., & Johns, J. 1997. Redução de desperdício na produção de madeira na Amazônia. *Série Amazônica* N° 5, Imazon, Belém, Pará, Brazil, 18p.

### Presentations at Professional Meetings

- M. Flower & **Gerwing, J.** 2003. Science practice as good work: a challenge to conventional conceptions of scientific literacy. American Association of Higher Education, Learning to Change Conference. Washington, DC.
- Gerwing, J.** 2002. Life history diversity among five species of lianas in an eastern Amazonian forest. Association of Tropical Biology International conference July 29<sup>th</sup> - August 2<sup>nd</sup>, 2002. Panama City, Panama.
- Monteiro, A. L., **Gerwing, J.**, Souza Jr., C, Barreto, P. & Pantoja, J. 2002. Impacts of logging and fire on the composition and structure of transitional forests in Mato Grosso. Book of Abstracts, Second LBA Scientific Conference, Manaus, Brazil.
- Gerwing, J.** & Souza Jr., C. 2000. Ecological aspects of forest degradation by logging and fire in eastern Amazon. Book of Abstracts, First LBA Scientific Conference.
- Souza Jr., C., **Gerwing, J.**, & Moreira, L. 2000. Detecção da degradação florestal pela exploração madeireira e queimadas na Amazônia Oriental utilizando imagens de satélite. Book of Abstracts, First LBA Scientific Conference.

### Honors, Grants, and Fellowships

#### *Principal investigator*

- Gerwing, J.** 2004. *Assessing wildfire risk in Mt. Hood National Forest.* Faculty Enhancement Grant, Portland State University, \$9,840.
- Gerwing, J.** & M. Flower. 2003. *Assessing a pilot science literacy study group for interdisciplinary faculty who teach Freshman Inquiry.* Scholarship of Teaching Resource Team, Portland State University, \$500.
- Gerwing, J.** & J. Smith. 2002. *Fostering scientific literacy via Freshman Inquiry.* Scholarship of Teaching Resource Team, Portland State University, \$800.
- Gerwing, J.** 1995. *Graduate School Fellowship*, Pennsylvania State University. \$12,000.
- Gerwing, J.** 1993. *Graduate School Summer Fellowship*, University of Florida, 1993, \$1,000.
- Gerwing, J.** 1992. *Species diversity and resource use tropical tree plantations*, Dickinson Award for Tropical Agriculture, University of Florida, \$750.
- Gerwing, J.** 1992. *Species diversity and resource use in tropical tree plantations*, Tropical Conservation and Development, University of Florida, \$1,500.

#### *Co-principal investigator*

- Carrey, C., **J. Gerwing**, P. Jenks, S. Jhaj, Y. Labissierre, V. Parker, & W. Smith. 2002. Portland State University Departmental Engagement Grant, \$4,900.
- Souza, C. & **J. Gerwing.** 1996. *Overcoming ecological obstacles to sustainable tropical forest management*, Program for Directed Research, PPG7. \$57,000.

### Other Teaching, Mentoring and Curricular Achievements

- Master's thesis committee member for Jennifer Karps, Department of Geography. 2004-present.
- Faculty adviser for McNair scholar Deborah Wilson. Project title: *Forecasted Costs and Benefits of Marker Assisted Breeding.* 2004.

### Other Community Outreach

Member of the board of directors of *Living Earth* (www.livingearthgatherings.org)  
Portland, Oregon. 2004-present.

Judge, Northwest Science Expo, Portland State University, 2 April 2004.

### Governance Activities for the University, College, Department

Member, University Studies Engaged Department Committee. 2002 - present.

Member, Center for Science Education Promotion and Tenure Committee. 2004.

Member, McNair Program Student Selection Committee. 2004.

Member, Portland State University Faculty Grievance Committee. 2003.

Member, University Studies Faculty Search Committee. 2003.

### Professionally-related service

Book reviewer, *University of Chicago Press*. 2004.

Manuscript reviewer, *Journal of Applied Ecology*. 2003.

Manuscript reviewer, *Agricultural Systems*. 2003.

Manuscript reviewer, *Forest Ecology and Management*. 2002 - 2003.

### Memberships in Professional Societies

American Association for Higher Education

National Science Teachers Association