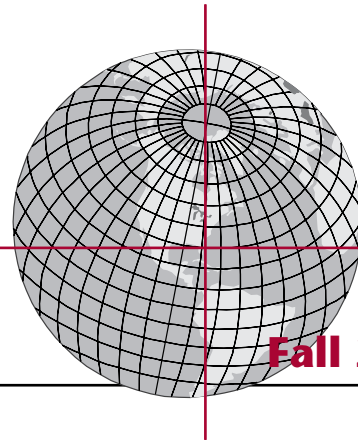


Indiana University Department of **Geography**

College of Arts and Sciences Alumni Association



Fall 2008

Lave and Roy Chowdhury join department

After two successful searches last academic year, we are pleased to welcome **Rebecca Lave** and **Rinku Roy Chowdhury** to the faculty of the department. Both contribute to the department's strengths in human-environment interactions. In addition, Roy Chowdhury will bolster our GIScience program while Lave adds new dimensions to our human geography program.

Roy Chowdhury earned her undergraduate degree from Wellesley College, completing a double major in computer science and environmental science. She went on to a master's degree in conservation ecology and sustainable development from the University of Georgia, investigating the locational and economic drivers of land use change in southwestern North Carolina as part of the Coweeta Long-Term Ecological Research (LTER) project. Her research in landscape change and GIScience led her to Clark University's PhD program in geography and to research on deforestation dynamics in southern Mexico's Yucatán peninsula.

Roy Chowdhury's research has been funded in part by the NSF and NASA, and focuses on the driving forces and consequences of land-cover/land-use change in tropical forest/agricultural mosaics, analyzing multiple dimensions of social and ecological system vulnerability using field research and modeling techniques. For the last five years, she worked in the University of Miami's Department of Geography and Regional Studies, during which time she was also active as a faculty advisor to UM's Center for Ecosystem Science and Policy, teaching in their core undergraduate program and helping design a new interdisciplinary doctoral program. At IU, Roy Chowdhury will be teaching courses on human dimensions of environmental change



IU newcomers Rebecca Lave (right) and Rinku Roy Chowdhury (above) contribute strong research approaches to the department's study of human-environment interaction.



and geographic information science.

Lave's focus within human-environment relations relates to freshwater systems in the U.S. Lave earned her master's degree in City Planning from MIT in 1997 and worked for several years on environmentally-oriented projects such as the first master plan for the Charles River Basin in Boston in more than 60 years.

After becoming a senior associate in a major design and planning firm in the San Francisco Bay Area, Lave returned to school to pursue her interest in the political

economy of stream restoration in the U.S. She earned her doctorate from University of California, Berkeley in spring 2008. Her research bridges fluvial geomorphology and political ecology using the transdisciplinary approaches that are geography's trademark. This coming year, Lave will be teaching courses on environmental conservation, political ecology, and research methods in geography.



Geography to host AAG West Lakes Conference

For the first time in many years, the IU Geography Department serves as host of the West Lakes Regional Meeting of the Association of American Geographers. The conference will be held from Nov. 13-15, 2008 at the Indiana Memorial Union. More than 150 presenters and attendees are expected to attend, including AAG President John Agnew of UCLA. Emilio Moran, Rudy Professor in the Department of Anthropology, will offer the keynote address. The department has organized a number of special activities to coincide with the conference, including field trips to the Kinsey Institute and the Tibetan Cultural Center. For more information, consult the Web site: www.indiana.edu/~geog/wldaag.

23rd annual awards banquet held in April

The department's 23rd annual awards banquet was held April 22 in the Federal Room of the Indiana Memorial Union.

This year's recipient of the Paul W. and Marie K. Baumann Endowed Scholarship Award was **Robert Barnell**. This award recognizes an outstanding freshman, sophomore, or junior majoring in geography. **Brett Gage** received the 2008 Outstanding Senior in Geography Award. **Jacqueline Gruber** was nominated for and accepted into Phi Beta Kappa. Geography majors **Monica Brothers, Madeline Cole, Bradley Dion, Patricia Everman, Brett Gage, Jacqueline Gruber, Adam Rife, and Emilee Schwartz** were on the Dean's List for fall 2007.

Several awards were made to undergraduates for outstanding academic performance in the department's major courses. Three Thomas F. Barton awards were given. For G107 Physical Systems of the Environment, taught by Professor Zlotin, the recipient was

Kellie Rockel. The award for G110 Human Geography, taught by Associate Instructor Elizabeth Vidon, was given to **Angela Norcik**. And for G314 Urban Geography, taught by Professor Grubestic, was given to **Bradley Dion**.

Kevin King was the recipient of the Norman J.G. Pounds Award for outstanding performance in Professor Odland's course G120 World Regional Geography.

Miles Reliford earned the Robert C. Kingsbury Awards for G237 Cartography and Geographic Information, taught by Associate Instructor Jim Hayes. Three Stephen S. Visher Awards were given this year. The Stephen S. Visher Award for outstanding performance in G109 Weather and Climate, as taught by Professor Brown, was **Whitney Eklöf**. The Stephen S. Visher Award for Outstanding Paper in Climatology was given to **Jessica Howe** for her paper "Analysis of Extreme Precipitation

Across the Midwest During the Twentieth Century." The Outstanding Paper on Indiana was given to **Brian Johnson** for his paper "Nature, Affordability, and Privacy as Motivations for Exurban Living."

Many awards were also given to graduate students. The recipient of the Alumni Associate Instructor Teaching Award was **Brian Johnson**. Departmental Graduate Fellowship awards for outstanding graduate student research went to **Rebecca Clouser** and **Elizabeth Mack**. Chairman's Graduate Student Recognition awards went to **Rebecca Clouser, Jared Desrochers, Shannon Donnelly, Bassil El-Masri, Norma Froelich, Jim Hayes, Brian Johnson, Taka Kobayashi, Bradley Lane, Todd Lindley, Elizabeth Mack, Michelle Metro-Roland, Jill Rickly, Philip Roth, Matt Spinelli, Elizabeth Vidon, and Lei Xu**. These recipients are active in research and maintain at least a 3.7 grade point average.

John Odland retires

Professor John Odland retired in December 2007. From Odland's arrival in the department in 1970 to his recent retirement, he has had profound influence on many graduate students and early-career faculty. With diverse interests in internal migration, labor-market issues, and regional economic unevenness and inequalities, John has always relied on strong empirical analyses to test meaningful hypotheses and models. He always challenged our department's graduate students in the methods of analysis that continue to advance quantitative human geography to this day.

Odland's mentoring of graduate students stands out as one of his most lasting and gratifying achievements, in large part because so many went on to be successful professors of geography elsewhere. They attribute their success to his care, attention to detail, substantial analytical expertise, and knowledge of quantitative methodologies. Odland made sure his mentees knew what they were doing, where they were going with their modeling and analyses, and how to set high standards for their work, as he did for his own. He demanded a lot, but gave a lot. He also had a worldly side to his interactions with these budding proto-professors.

Towards the latter stages of his career, Odland increasingly used his skills to help with the mentoring of junior faculty members, to the great benefit of the entire faculty in the Department of Geography. The benefits of his mentoring continue to be passed on to generations of graduate students and professors at IU and elsewhere.

Geography

This newsletter is published by the Indiana University Alumni Association, in cooperation with the Department of Geography and the College of Arts and Sciences Alumni Association, to encourage alumni interest in and support for Indiana University. For activities and membership information, call (800) 824-3044 or send e-mail to ialumni@indiana.edu.

Department of Geography

Chair..... Scott Robeson

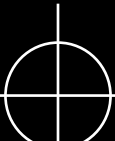
College of Arts & Sciences

Dean Bennett I. Bertenthal
Executive Director of Development
& Alumni Programs..... David Ellies

IU Alumni Association

President/CEO..... Tom Martz
Senior Director, Constituent
& Affiliate Groups Nicki Bland
Editor, Constituent
Periodicals..... Sarah J. Preuschl
Class Notes Bill Elliott

Visit us online at <http://www.indiana.edu/~geog>.



COLLEGE OF
ARTS AND SCIENCES

INDIANA UNIVERSITY
Bloomington

2008 AAG meeting report

The 2008 Annual Meeting of the Association of American Geographers was held in Boston in April. Several faculty and graduate students attended the meeting.

Professor **Dan Knudsen** chaired one of two Recreation, Tourism, and Sport Specialty Group Student Paper Competition sessions and served as the discussant in the other session. He also presented the paper he co-wrote with student **Michelle Metro-Roland**, *Landscape, Tourism and the "Habit" of (Western) Aesthetics*, in an RTS special session on aesthetics and tourism. Knudsen also participated in a panel on landscape organized by graduate students **Jim Hayes** and **Shanon Donnelly**.

Professor **Scott Robeson** presented a paper on "Using Geographic Boxplots to Estimate Climatic Change" in a special session on climate change and variability.

Professor **Tom Evans** was a panelist on the "Geography of Information Societies" session. He was the chair and co-organizer of the "New Directions in Land Change Science" session. He was also a discussant in "Perspectives on Geographic Complexity: Methods and Issues" session as well as a presenter on "Perspectives on Geography Complexity: Land Use Applications."

Professor **Jim Biles** presented a paper on "Supermarket 'counter-revolution'? Transformation of retail landscapes and local resistance to retail globalization in Mexico."

Graduate students chaired and presented papers in several sessions.

Jim Hayes participated in the "Biogeography Illustrated Paper" session and chaired the panel discussion "Perspectives on Landscape," which he co-organized with **Jill Rickly**, and **Shanon Donnelly**. Rickly also presented her paper "Narrative and the Heritage Tourist Experience."

Brian Johnson presented "Social Networks Considered in an Examination of Exurban Migration Motivations" and was organizer and chair of the session on "Exurban Growth and Change." **Michelle Metro-Roland** presented her paper, "A Peircean Semeiotic Approach to the Epistemological Problems of Landscape Interpretation." **Bassil El-Masri** presented his paper on "Estimating Climatic Influence on Spatial and Temporal Variability of Grassland Gross Primary Production: A Remote Sensing Approach."

Todd Lindley was chair and panelist for the session "Geographies of International Adoption" and presented a paper entitled "Intercountry Adoption in the Philippines and the United States: Global Networks and Local Processes." Lindley received third place in the Population Specialty Group Student Paper Competition. **Bradley Lane** presented a paper entitled "Assessing Spatial Patterns in Changes in Work Trip Commuting and the Role of Rail Transit."



Faculty news

Jim Biles is the Secretary of West Lakes Division of AAG. Biles was elected to the board of Conference of Latin Americanist Geographers for 2008–11 and will serve as chair of the publications committee, which oversees the *Journal of Latin American Geography*.

Tom Evans completed two visiting scholar appointments, one at the East-West Center in Honolulu, Hawaii, where he worked on a research project examining the socioecological implications of the development of rubber plantations in Southeast Asia. He also was a visiting scholar at the Research Institute for Humanity and Nature in Kyoto, Japan, where he worked on a research project studying the resilience and vulnerability of agriculturalists to climate change in Zambia. Evans also co-authored a publication in the *Proceedings of the National Academy of Sciences* titled "Agent-based modeling of deforestation in southern Yucatán, Mexico, and reforestation in the Midwest United States."

Dan Knudsen and **Charles Greer**, along with former graduate students **Michelle Metro-Roland** and **Anne Soper**, published an edited book entitled *Landscape, Tourism and Meaning* (Ashgate Press).

Tony Grubestic was one of this year's recipients of the Outstanding Junior Faculty Award.

Sara Pryor and **Rebecca Barthelmie** received a grant from the National Science Foundation Engineering Program to study "Qualifying wind farm power losses due to wind turbine wakes."

Sara Pryor received the Indiana University Presidents Award in recognition of outstanding teaching,

research and service at the Founders Day celebration in March.

Scott Robeson delivered the Distinguished Alumni Lecture for the University of Delaware Department of Geography on the subject of "Trends, Spatial Variability, and Persistence of Recent Thermal Anomalies."

PhD student **Jill Rickly** presented her paper, "Authenticity and the Symbolic Tourist Landscape," at the HICAH (Hawaii International Conference on the Arts and Humanities) in January; she was chair of the session.

PhD student **Brian Johnson's** article, "Nature, Affordability, and Privacy as Motivations for Exurban Living," was accepted for publication in *Urban Geography*. The paper is to be published in 2009.

PhD student **Bradley Lane** presented "The Relationship Between Recent Fuel Price Fluctuations and Transit Ridership in Major US Cities," at the North American Regional Science Council annual meeting in Savannah in November. He also received travel grants last fall from the College of Arts and Sciences and the GPSO.

Three current graduate students, **Bradley Lane**, **Todd Lindley**, **Shanon Donnelly**, and alumni **Ben Shultz**, MA '07, and **Max Lu**, PhD '96, were invited to serve as readers for the more than 45,000 Advanced Placement exams in human geography in June. The exam is taken by high school students in North America and from around the world. Also, Max Lu was recently named to the AP Development Committee. **Adrian Bailey**, PhD '89, is the former chief reader.

Brown investigates water scarcity in NSF-funded project

Water scarcity is slowly becoming a fact of life in increasingly large areas.

The summer of 2006 was the second warmest in the continental United States since records began in 1895, according to the National Climatic Data Center. Moderate to extreme drought conditions were evident in about 40 percent of the country.

One way to make better use of scarce water resources would be to retain more of the water that falls during a heavy rain. To accomplish this, better understanding is needed about how water behaves in the environ-



Brown

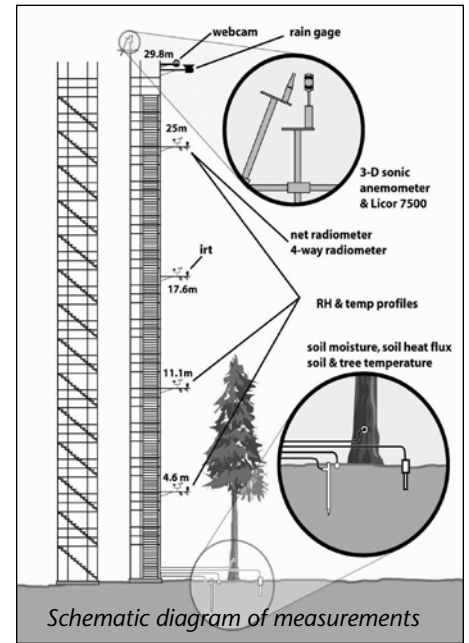
ment. Assistant Professor Constance Brown, a micrometeorologist in the department's Atmospheric Science Program, is one of the scientists working to provide this understanding. Her research is primarily funded by the National Science Foundation.

In a paper in the *Journal of Arid Environments*, Brown reports the first results of a study designed to characterize the surface exchanges of water and carbon dioxide in a

forest in the Santa Catalina Mountains near Tucson, Ariz. Mountain forests are an important source of water for the rest of such semi-arid regions, and these forests provide relatively isolated conditions where scientists can get a clearer picture of what is happening to the water that so many people depend on. In a desert region, such forests are found only at the tops of mountains because only there does precipitation exceed evaporation enough for forest vegetation to survive.

Brown's measurements showed that in this environment, there is immediate correspondence between water availability and photosynthetic activity of the vegetation. This is different from what happens in most coniferous forests, where the seasonal behavior of the trees is significantly influenced by temperature changes. The mountain-top forest that she studied was in some ways the opposite.

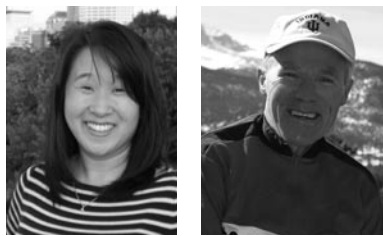
In short, winter has a significant impact on the primary growing season for these mountain trees, because moisture is continually available from rain or snow, the tree root zones don't freeze, and there is enough sunlight for photosynthesis. The trees slow down during the pre-monsoon dry season in May and June when water is scarce, and then quickly respond to the sudden availability of water at the onset of the monsoon in July.



"Water stress, rather than temperature, is the primary control on the semi-arid forest's behavior. The trees will remain significantly active regardless of the season, providing they have access to moisture," Brown said.

It remains to be seen whether coniferous forests at lower elevations in the western United States will be able to do the same if confronted with prolonged water scarcity.

Stay Connected to IU.



Join or renew today!
(800) 824-3044

www.alumni.indiana.edu



Pryor, scientists conduct NIFTy experiment

In May of 2008, Professor Sara Pryor and other members of the department led a field experiment called Nucleation In Forests (NIFTy) at the department's Ameriflux tower in Morgan-Monroe State Forest, just north of Bloomington.

Under funding from the National Science Foundation, a team of nearly 30 scientists participated in the research, which is focused on understanding how and when new particles form in the atmosphere. The team was comprised of researchers from Indiana University, the National Center for Atmospheric Research, Clarkson University, Washington State University, and the University of Helsinki in Finland.

Such research is necessary because these particles influence climate by reflecting away sunlight and can also cause human health problems if inhaled. The team undertook detailed measurements of the physical and chemical properties of the atmosphere during particle formation events. State-of-the-art instruments such as lidars and mass spectrometers were operated at the tower, while additional instrumentation was deployed on an unmanned aerial vehicle (see photo).



Pryor, bottom right, with NIFTy collaborators.

"These measurements will help us to quantify the factors that lead to or prevent particle nucleation, the spatial scales on which nucleation occurs and ultimately to develop models with which we can predict this phenomenon," said Pryor.

The team's initial results will be presented at the Annual Meeting of the American Association for Aerosol Research in Orlando in October and at a special session of the American Geophysical Union Fall Meeting in December.

Alumni Notebook

Before 1960

Pradyumna P. Karan, PhD'56, is a professor of geography at the University of Kentucky. He recently co-edited *Local Environmental Movements: A Comparative Study of the United States and Japan*, published in July by the University of Kentucky Press, and is the author of *Japan in the Twenty-first Century: Environment, Economy, and Society*. He lives and works in Lexington, Ky.

1960s

Eddie E. Peabody Jr., MA'64, retired in 2005 after 40 years as a manager and private consultant to local governments in Arizona and California. He managed planning, engineering, building, and housing operations for growth-oriented cities in California, including Walnut Creek, Irvine, Danville, Brentwood, and Dublin. Peabody lives in Green Valley, Ariz., with his wife, Barbara.

Bill Walters, MA'68, PhD'74, retired in 2001 after teaching geography at Illinois State University for 31 years. He writes that, in retirement, he continues to write and to travel in Europe. Walters also serves on the Illinois Historic Sites Advisory Council. He lives in Normal, Ill.

1970s

Philip K. Smith, BA'74, is an architectural woodcarver and artist in Cincinnati. His wife, Elizabeth (Himebaugh), BSN'74, is a job developer for Cincinnati Works. The couple lives in Cincinnati and can be contacted through Philip's Web site, www.pksmithwoodcarving.com.

1980s

Robert G. Kremer, BS'84, MA'89, is the principal scientist at the engineering and consulting firm of Brown and Caldwell in Golden, Colo.

1990s

Noriyuki Sato, BA'97, MA'01, PhD'08, lives in Chico, Calif., where he works as an assistant professor at California State University, Chico.

Jim Hayes, BA'99, PhD'08, is an assistant professor at California State University, Northridge. He lives in Agoura Hills, Calif.

Brooks C. Pearson, PhD'99, is an assistant professor of geography at the University of Central Arkansas in Conway, Ark. He and his wife, April, MS'98, have three children: Fletcher, Meredith and Stewart. They live in Conway.

2000s

Megan Glaros Bruggeman, BAJ'02, is a weekend-morning meteorologist and entertainment reporter at WCBS in New York.

Benjamin R. Crawford, BS'03, MS'07, is completing a PhD in Vancouver, Canada.

Matthew A. Seavitte, BA'03, was promoted to the rank of Captain in the United States Marine Corps in June. Capt. Seavitte is a Harrier pilot, based in Cherry Point, N.C. He was married in San Antonio, Texas, in April before being deployed to the Middle East in August.

Molly Kotlen, BA/ACJst'04, is a transportation planner with Transpo Group in Seattle, Wash. She lives in Kirkland, Wash.

Jeffery Guinn, BA'06, was accepted into the graduate program at Western Washington University.

Congratulations to 2007–08 graduates!

Welcome to the ranks of IU geography alumni!



MA/MS/PhD

Benjamin Crawford, BS'03, MS'07
Jessica Howe, BS'05, MS'08
Kristin Lonard, MA'08
Jillian Rickly, BA'05, MA'08
Noriyuki Sato, BA'97, MA'01, PhD'08
Benjamin Shultz, MA'07
Benjamin Timms, MA'99, PhD'07

BA/BS graduates, August 2007

Ashley Adair
Ward Kennedy
Keegan Ramey
Justin Wood

BA/BS graduates, December 2007

Michael DeMory
Spencer Gentry
Jason Howard
Wai Hin Wau
Michael Lewis
Jennifer Marion
Catherine Nelson
Christopher Pratt
Holly Rauwolf
Corey Rusk

BA/BS graduates, May 2008

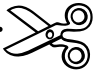
Shannon Bontrager
Bradley Dion
Patricia Everman
Brett Gage
Pamela Gesellchen
Jacqueline Gruber
Craig McClain
Zachary Schweizer
Michael Wilhite

Travis invited as Distinguished Alumni Lecturer

In April, David Travis, PhD'94, visited the department to deliver the third alumni lecture in the department's Distinguished Alumni Lecture Series. Travis received his PhD from the department and is currently a professor and an associate dean in the College of Letters and Sciences at the University of Wisconsin–Whitewater. His lecture was titled "Aviation Impacts on Climate: Increasing Threats from an Unnoticed Source."



Printed on recycled paper in U.S.A.



**What's new
with you?**

The IU Alumni Association is charged with maintaining records for all IU alumni. Please print as much of the following information as you wish. Its purpose, in addition to providing us with your class note, is to keep IU's alumni records accurate and up to date. To verify and update your information online, visit our online alumni directory at www.alumni.indiana.edu/directory.

Publication carrying this form: Geography Alumni Newsletter Date _____

Name _____

Preferred Name _____

Last name while at IU _____ IU Degree(s)/Yr(s) _____

Univ. ID # (PeopleSoft) or last four digits of Soc. Sec. # _____

Home address _____ Phone _____

City _____ State _____ Zip _____

Business title _____ Company/Institution _____

Company address _____ Phone _____

City _____ State _____ Zip _____

E-mail _____ Home page URL _____

Mailing address preference: Home Business

Spouse name _____ Last name while at IU _____

IU Degree(s)/Yr(s) _____

Your news: _____

Please send me information about IU Alumni Association membership.

IUAA membership supports and includes membership in the College of Arts and Sciences Alumni Association and your local alumni chapter. You may join online at www.alumni.indiana.edu or call (800) 824-3044.

Please mail to the address above, or fax to (812) 855-8266.