

MADGEOGNEWS

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Newsletter of the Department of Geography
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GREETINGS FROM THE CHAIR

In many ways, this Fall Semester started like every other in Science Hall. We have seen the arrival of another outstanding (and eager) group of graduate students, the instructional staff's energetic return to teaching, and reinvigoration of the department's legendary esprit de corps. But the new academic year also brought some most significant change.

First, after 31 years of service in this department, DAN DOEPPERS retired and is now Emeritus Professor of Geography. Well, he has at least partly retired: he continues to work as actively as ever on two book projects, and is teaching his Southeast Asia course in this, his very first semester of retirement! Congratulations to Dan and Carole.

Second, VANCE HOLLIDAY accepted an endowed faculty position at the University of Arizona in Anthropology and Geology to begin next July. For anybody connected with the department, it's difficult to imagine physical geography at Madison without Vance. Yours truly knows he speaks for everyone in thanking Vance for his innumerable contributions over the last 15 or so years, and in offering advance best wishes to the Holliday family as they plan a new life in the Southwest.

Finally, we started this semester without Graduate Coordinator Blyth Meier, who moved with husband Nick to Milwaukee for careers in art (hers) and veterinary medicine (his). We truly miss the extraordinary kindness, competence and dedication Blyth brought to her position. Taking over for Blyth is Roxanne Moermond, who comes to the department with extensive experience in student affairs across campus. Welcome Roxanne, to the first of what we hope will be many years in Geography at UW-Madison. As the following pages reveal, you couldn't have landed in a better place.

Jim Burt

NEWS FROM FACULTY

JIM KNOX presented a plenary lecture on the natural history of upper Mississippi River floods to the annual meeting of the Midwest Archaeological Association on October 12, 2001, in LaCrosse, Wisconsin. Jim received a 3-year grant from the National Science Foundation to support research, dealing with historical and post-glacial responses of upper Mississippi River floods, erosion, and sedimentation to environmental change.

VANCE HOLLIDAY conducted geoarchaeological investigations at several of the Paleolithic sites in and around the village of Kostenki, located along the Don River on the Russian Plain. Vance was working with archaeologist John Hoffecker (U of Colorado) as part of renewed investigations at the sites of Kostenki 12 and 14 by archaeologists from the Russian Academy of Sciences. The focus of the excavations was on the lowest known occupation layers, which contain Upper Paleolithic assemblages dating to at least 40,000 years BP. The oldest layers may contain an industry produced by local Neanderthals, as well as one created by modern humans. The geoarchaeological work dealt with the broader picture of Upper Paleolithic landscape evolution, and the stratigraphic and chronologic relationships among the sites in the Kostenki area. Vance, with assistance from JAMES MAYER, also worked with Dave Meltzer (SMU) in the dune fields of northeastern Colorado, conducting preliminary reinvestigations of some of the blowouts that produced large collections of Paleoindian materials in the 1930s. These collections were important in the early thinking about Paleoindian technology and typology. Vance, James, and Dave also investigated several deflation basins in the Pecos River valley of West Texas that produced a variety of Paleoindian materials. Vance also continued work with Eileen Johnson (Texas Tech) in excavating the San Jon site, New Mexico, and several late Prehistoric sites along Yellowhouse Draw in Lubbock, Texas, and carried out additional coring of several playa basins in the region as part of an NSF-sponsored study of Late Quaternary environmental change. Vance and James also spent a long, hot day coring the fill in the Odessa Meteor Crater, an impact site just outside of Odessa, Texas. The crater has 25 meters of fill that should contain a long paleoenvironmental record. The age of the crater is unknown though it is likely to be late Pleistocene. Another aspect of the coring project is to date the crater. Results should be available in time for the next Madgeognews.

LISA NAUGHTON is delighted to have had the chance to publish three separate papers with her students, including (with ARCHABALD, K.) "Tourism revenue sharing around national parks in western Uganda: Early efforts to identify and reward local communities" in *Environmental Conservation* (2001), (with ALVAREZ, N.) "Linking national agrarian policy to deforestation in the Peruvian Amazon: A Case study of Tambopata, 1986-1997" in *Ambio* (in press), and (with Grossberg, R. and Treves, A.) "The incidental ecotourist - primate conservation

at an archeological site in Belize" in *Oryx* (in press). This fall, she traveled to UC Boulder to speak to the Geography Department and the Environmental, Population and Organismal Biology Department on "Wildlife Conservation in Amazonian Agroecosystems". She spoke on the same topic in November at Dartmouth's Geography Department. Both Departments have many UW Geography alums! Lisa is spending the academic year as a Visiting Research Fellow at Princeton University's Environmental Institute in the Woodrow Wilson School of Public Policy.

Earlier this year, MARTIN CADWALLADER received a Chancellor's Distinguished Teaching Award and since July 1 he has been Interim Vice Chancellor for Research and Interim Dean of the Graduate School.

Nearly all of DAN DOEPPERS work right now is centered on the research and writing of *Feeding Manila, 1850-1945: Provisionment and National Integration*. How to weave oral historical interview materials in with the statistical "facts" of rice shipments by sail vessels is challenging, to say the least. The project is a near total departure from years of work on the geography of social change in metropolitan Manila. In recent months, this effort has led to a paper on "Philippine Beef Production Systems and the Changing Geography of Supply to Manila, 1860s-1930s" read at the panel on The History of Food Crops and Livestock at the European Conference on Southeast Asia held at the University of London, School of Oriental and African Studies, September 2001, and to a public lecture in the Geography Department's Friday series on "Three Waves of Rinderpest in the Philippines: Disasters for Cattle, Carabao, and Rice Producers." The subject was a good warm-up for the disaster of Hoof and Mouth Disease that Carole and Dan ran into while trying to hike cross-country in Yorkshire. On a different subject, his essay on "The Philippines in the Great Depression: A Geography of Pain" was published in *Weathering the Storm: The Economies of Southeast Asia in the 1930s Depression*. Peter Boomgaard and Ian Brown, eds., Leiden: KITLV Press and Singapore: Institute of Southeast Asian Studies. And, oh yes, in order to devote himself more completely to these undertakings, Dan has retired from both teaching and committee meetings. Friends say that he is smiling more these days.

A-XING ZHU spent a month in China collaborating with colleagues from Chinese Academy of Sciences on natural resource inventory using GIS, Artificial Intelligence, and Fuzzy Logic. He was invited to give a series of talks on this topic. A-Xing received a senior research fellowship from the Institute of Geography, Chinese Academy of Sciences as well as a grant of \$113,000 (CO-PI with JIM BURT) for two years from USDA-Natural Resource Conservation Service and US Park Service on the topic *New Technology for Soil Survey for Great Smokey Mountain National Park*. A-Xing has been busy this past year giving lectures and presentations. These include: "Soil survey using a soil land inference model (SoLIM)", an invited talk at the Wisconsin soil scientist meeting in Treehaven, Wisconsin; "Conducting soil survey using GIS, Expert Knowledge",

an invited talk to the management team of Bureau of Land Management of Wyoming; "An object-oriented data structure for representing evolution of geographic features in GIS", with CHUCK FAILING at the Annual Meeting of AAG in New York City; "Assisting the development of knowledge for predictive mapping using a Fuzzy c-means classification", with EDWARD ENGLISH at Geoinformatics & DMGIS 2001 in Bangkok, Thailand; "GIS, expert knowledge, and fuzzy logic-based approach to soil mapping over areas with moderate relief", with D. Simonson, FENG QI, XUN SHI, and EDWARD ENGLISH at the 86th Annual Meeting of The Ecological Society of America here in Madison; and "Representing Continuous Spatial Variation of Geographic Phenomena Using Fuzzy Logic", Joint 9th International Fuzzy System Association World Congress and the 20th North America Fuzzy Information Processing Society International Conference in Vancouver, Canada. When not spending time speaking, A-Xing was busy writing. His recent publications include (with JIM BURT, B. Hudson, and K. Lubich) "Soil mapping using GIS, expert knowledge and fuzzy logic," in Soil Science Society of America Journal, (with D.S. Mackay) "Effects of spatial detail of soil information on watershed modeling," in Journal of Hydrology, and "Modeling spatial variation of classification uncertainty under fuzzy logic," in Perspectives on Uncertainty in Spatial Data for Ecological Models, C. Hunsaker, M.F. Goodchild, M. Friedl, and Case (eds.).

KARL ZIMMERER traveled and conducted field research in Bolivia and Mexico this past summer. His chapter on the intra-varietal biogeography and social and cultural dynamics of seed size management, with an emphasis on the Andean potato crop, is scheduled to appear next month in *Agrodiversity Conservation and Collaborative Plant Breeding: Integrating Farmer and Scientist Knowledge and Practice* (edited by David Cleveland and Daniela Soleri, CABI International, 2001). He has also written a review of *Nature and Culture in the Andes*, by DANIEL GADE, which recently appeared in *American Anthropologist* (2001). On September 6-8 in Washington, D.C., Karl presented a paper on "Household livelihoods, seed size, and agrodiversity conservation through collaborative plant breeding" to a special session organized by geographer David Preston at the meeting of the Latin American Studies Association (LASA). He also served as invited discussant for the session on urban-rural linkages and environmental change that included ANTOINETTE WINKLERPRINS. Later in the fall Karl delivered a paper on "Ecologies of potato biodiversity amid new development in Peru and Bolivia" to a symposium of the campus-based Madison Ecology Group (MEG). With ERIC CARTER, they were awarded an NSF dissertation research grant to aid Eric's research on "Social-Environmental Dynamics of Malaria Eradication in Northwest Argentina, 1900-present." Karl also continues as co-director of the Environment-and-Development Advanced Research Circle (EDARC), which is organizing a workshop for next spring on the theme of "Globalization and the New Geographies of Conservation."

Several faculty and graduate students in the department will be organizing and participating in a special conference this spring on "Spaces of Hope?: Globalization and the New Geographies of Conservation." The conference is sponsored by the campus Environment-and-Development Advanced Research Circle (EDARC), and has recently been approved for funding and scheduling. The "Spaces of Hope?" conference will explore the entwined issues of environmental science, geography, politics and economics, and society and culture that have emerged amid the profusion of the new environmental and conservation territories. EDARC members include Geography faculty HONG JIANG, LISA NAUGHTON, MATT TURNER, and KARL ZIMMERER. The conference is scheduled for April 19, 2002. It will feature invited outside speakers (including many geographers), as well as colleagues from Stanford University and the University of Minnesota who are partners in a consortium with the UW--Madison Global Studies Program and the International Institute. The EDARC coordinator this year is RYAN GALT.

NEWS FROM THE HISTORY OF CARTOGRAPHY PROJECT

2001 is a busy year for the History of Cartography Project as work on volume 3, Cartography in the European Renaissance, nears projected submission to press in late 2002, volume 4 planning steps up with the appointment of three co-editors, and essays are finalized for the Exploratory Essays Initiative that would lay the foundation for volume 6. Director DAVID WOODWARD has been on a hectic promotional tour since early in the year, taking him from Pennsylvania State University, the Association of American Geographers Annual Meeting in New York, the Frank Walton Lecture at the Gennadius Library in Athens, the Renaissance Society of America Annual Meeting in Chicago, the Jane Austen Interdisciplinary Symposium in Madison, two workshops for the Newberry Library's Summer Institute on Popular Cartography and Society for college and university teachers in the humanities and social sciences, the 4th International Laboratory for the History of Science organized by the Institute and Museum for the History of Science, Florence, held in Florence and Vinci. In July, David and History of Cartography Managing Editor JUDE LEIMER led a strong Project presence at the XIX International Conference on the History of Cartography in Madrid.

More recently, David attended the North American Cartographic Information Society meeting in Portland, Oregon (3-6 October) where he took part in two programs, both dealing with twentieth-century issues: "Teaching map design in an age of technical transition", and as a panel member on evaluating cartographic competencies for professional certification in GIS. He then made a presentation about the Project to the Western Association of Map Libraries meeting in Portland that same week.

From October 11 to October 15 in Chicago, Milwaukee, and Madison, he introduced the Project to different audiences at the Newberry Library and the International Map Collectors Society (IMCOS) at the American Geographical Society Collection in Milwaukee. The Project hosted a brief site visit in Madison for IMCOS participants during their post-conference tour to the beautiful landscape of southwestern Wisconsin.

In January 2002, David will address a plenary session of the Institute of British Geographers Annual Meeting in Belfast on the methodological issues in geography and other disciplines that have arisen from the compilation of the History. In March, the EEI essays will be presented at a pre-conference symposium being organized by the Project during the Association of American Geographers annual meeting in Los Angeles.

Renaissance Society of America

We were very pleased with the large attendance (57 people signed our list) at the three cartographic sessions organized by Daniel Brownstein at this year's RSA meeting in Chicago. Three stimulating sessions were held at the Newberry Library on 29 March. The sessions were such a success that the Project has organized four more sessions for the next RSA meeting in Tempe and Scottsdale, Arizona, next April.

Barcelona volume announcement

We are happy to announce the publication of a series of fifteen lectures given by David Woodward, Catherine Delano-Smith, and Cordell D. K. Yee on a few of the methodological issues the History of Cartography Project have come across. The lectures were presented at the Institut Cartogràfic de Catalunya in Barcelona in February 2000.

The 354-page book includes chapters on: "Origin and History of The History of Cartography"; 'Theory' and The History of Cartography"; The Two Cultures' of Map History-Scientific and Humanistic Traditions: A Plea for Reintegration"; "Starting with the Map: The Rosselli Map of the World, ca. 1508" (all by DW); "The Map as Commodity" (CDS); "The Map Trade in China" (CDKY); "The Image of the Map in the Renaissance" (DW); "Breaking the Grid: Maps and the Chinese Art of Writing" (CDKY); "Maps and Religion in Medieval and Early Modern Europe" (CDS); "A Reaction to the Reaction against Scientism: On the Power and Limits of the Textual Analogy for Maps" (CDKY); "Maps and Map Literacy I and II" (CDS); "The Influence of Chinese Map Culture on the West" (CDKY); "The Grip of the Enlightenment: Separation of Past and Present" (CDS); and "The Recent History of Cartography and the Possible Use of the History of Cartography in the 21st Century" (DW).

Plantejaments i objectius d'una història universal de la cartografia [Approaches and Challenges in a Worldwide History of Cartography] (Barcelona: Institut Cartogràfic de Catalunya, 2001) ISBN: 84-393-5433-9

NEWS FROM GRADUATE STUDENTS

Two research articles by CHRIS DUVALL are currently in press. These are: "Important habitat for chimpanzees in Mali" in: African Study Monographs and "Habitat, conservation, and use of *Gilletiodendron glandulosum* (Fabaceae-Caesalpinioideae) in southwestern Mali" in Proceedings of the XVI AETFAT Congress: Systematics and Geography of Plants.

BEN SHEESLEY spent two weeks exploring the Wren Library archive at Trinity College-Cambridge, UK, in September. An AAG-Cartography Specialty Group Master's Thesis Research Grant received in August helped pay the way. The maps and letters in the collection will help Ben contribute to the history of 19th century tidal mapping.

MARA GOLDMAN has a research paper in press entitled "Partitioned Nature, Privileged Knowledge: Community Based Conservation in the Maasai Ecosystem, Tanzania" as Working Paper, World Resources Institute. She presented a paper on the same topic at a session on Indigenous Geography: Conservation and Management at the Annual Meeting of the Association of American Geographers in New York. Mara received a MS in Conservation Biology and Sustainable Development last May. She will be traveling to Tanzania in January to conduct her dissertation field work for 18 months which is supported by a Fulbright-Hays Doctoral Dissertation Research Abroad Program grant and a Sigma Delta Epsilon - Graduate Women in Science, Ruth Dickie Research Scholarship.

ERIC CARTER continues his dissertation research on malaria eradication campaigns in Argentina, 1890-present. His map of malaria mortality in northern Argentina won the department's Barbara Bartz Petchenik Memorial Graduate Award in Cartographic Design for the 2000-01 academic year. Last May the National Science Foundation awarded him a Dissertation Improvement Award, which he plans to use for field work in 2002. During the summer he conducted preliminary field work in Argentina for eight weeks, thanks to grants from Sigma Xi and the UW's Latin American, Caribbean, and Iberian Studies Program. The visit was a success despite the wintery conditions in Buenos Aires. This semester Eric is lecturing the first half of Geography 339, Environmental Conservation, which has been a rewarding and instructive experience. He has also co-authored an article with advisor KARL ZIMMERER entitled "Conservation and Sustainability in Latin America," which will appear in an upcoming edition of the Journal of Latin American Geography (formerly the Yearbook of the Conference of Latin Americanist Geographers). Finally, after a disappointing Ebay experience, Eric is still trying to sell his 1967 Pontiac LeMans, which is in near-showroom condition -- feel free to make him an offer.

This past spring, BETH SCHLEMPER received a German Academic Exchange Service (DAAD) research grant for Ph.D. candidates and a Vilas Travel Fellowship for UW-Madison dissertators, which allowed her to undertake dissertation research in Germany for a month this summer. Currently, she is a Visiting Professor at Illinois State University in Normal, Illinois.

BLAKE HARRISON spent the summer in Vermont and New Hampshire, completing the bulk of his remaining dissertation research, and he is now in the early stages of writing his dissertation. He was recently awarded the Vermont Historical Society's annual Weston Cate research fellowship, and he is currently preparing an article on technology, tourism, and landscape change for Vermont History as required by the fellowship. He also has an article appearing in a small Vermont history magazine on Swedish immigration to abandoned farms in Vermont during the late nineteenth century. Blake also invites you to come and observe the patterns that are developing on the hometown maps located outside of his office (404 Science Hall).

CATHERINE YANSA was offered and accepted a tenure-track assistant professor position in the Geography Department at Michigan State University. This offer is contingent upon completing her Ph.D. by June 2002 and will start in August of that year. She will join Madison alumnus ANTOINETTE WINKLERPRINS (PhD 1999) in that department.

Lisa Naughton reports that NORA ALVAREZ accepted a research assistant position with the Center for Applied Biodiversity Science based in Washington, D.C. She will be spending most of her time in the Tropical Andes, documenting land use zoning and boundary changes in national parks.

JOY FRITSCHLE MASON presented "Saving Giants: Protecting California's Old-Growth Coast Redwood Forests" at the Department of Geography/Geology Colloquium Series at Illinois State University in Bloomington/Normal in October. Next March, she will present an illustrated paper in a session sponsored by the Biogeography Specialty Group, "Is it Art or Science? An Interdisciplinary Approach to Ecological Restoration in Urban Environments," at the Annual Meeting of the Association of American Geographers in Los Angeles. Her co-author for this project is Helen Klebesadel, an artist and Director of the Women's Studies Consortium for UW System. In September 2001, she was appointed to the Advisory Board of the Women and Science Program in Wisconsin. The program is devoted to increasing the accessibility and participation of women and minorities in the sciences throughout the UW System. Joy also spent five weeks this summer conducting dissertation research at the Bancroft Library -- UC Berkeley, Redwood National Park, and in Arcata, California. (Dissertation topic: A Landscape History of the Lower Redwood Creek Basin in Redwood National Park.) It was a very fruitful and productive summer, except when one of the smaller archives she was planning to do research at burned down! The Northcoast Environmental Center in Arcata was a treasure trove of unique

documents related to Redwood National Park and Humboldt County -- it is a sad loss and a reminder to never put off until tomorrow what you can do today! (She missed researching at the Center by just a couple days.)

NEW GRADS

FELIPE AVILA (GIS Certificate)
CATHERINE CASTELLI (GIS Certificate)
JOHN CLARK (GIS Certificate)
ERIC COMPAS (Ph.D)
TODD COURTENAY (MS)
JONATHAN DURR (Ph.D)
CHRIS DUVALL (Ph.D)
COLLEEN HERMANS (GIS Certificate)
CASEY HOGAN (GIS Certificate)
JESSICA KITCHELL (GIS Certificate)
AMANDA KORNOFF (GIS Certificate)
STEPH LARSEN (MS)
TIMOTHY LEE (Ph.D)
DEVON LISS (MS)
MAUREEN MCLACHLAN (MS)
JEFFREY MEINEKE (GIS Certificate)
BILL OBERMANN (MS)
ERIC OLSEN (MS)
KRISTIN PETERS (GIS Certificate)
TREVOR QUINN (MS)
JOANNA SEEBER (MS)
EMILY STURGESS (MS)
KAREN TUERK (GIS Certificate)
RONGXUN WANG (Ph.D)
COREY WERNER (Ph.D)
REBECCA WOLL (MS)

NEWS FROM ALUMNI AND FRIENDS

PAUL SIMKINS(PhD 1961), Professor Emeritus at the Pennsylvania State University, celebrated the Golden Wedding Anniversary this past June. He has two grown children, both PhD's, and four brilliant grandchildren.

DAVID MORRISH (1955-56), who studied at UW-Madison on Rotary and Fulbright scholarships (era of HARTSHORNE, TREWARTHA, ROBINSON, and others), reports that an association of former Fulbright Scholars has recently

been re-established in the U.K., but he does not know of any others who took that route to Wisconsin Geography. Although he has retired from University teaching, he is still an active geographer. His responsibility on the Devon County Council is with the Environment. The administrative county has a population of 700,000, and there are 14,000 km of roads and 3,000 bridges. Devon is unique for English counties in having two coastlines. Changing weather patterns have their effects. Last winter, the county experienced major flooding inland and severe coastal erosion. Cliff falls of exceptional scale have continued throughout the summer. So there is much to keep him out of retirement!

RICK HIRSCH (MS 1996) recently moved from Texas to Monterey, California, to work for his former employer, Pacific Municipal Consultants, providing environmental analysis and city planning services. He gained membership in the American Institute for Certified Planners this past July. Rick has been traveling around the country a lot to exotic destinations such as Jacksonville, Florida, Biloxi, Mississippi, and Las Vegas, Nevada, to work with clients and conduct research for various municipal code projects. Rick reports that the Sea Monkeys are doing well with their new foster parents back in Austin! "We miss them". Rick also reports that DREW ROSS (PhD 1999) is living in Berkeley, California, and working as a tree pruner/surgeon; and that JEFF ZIMMERMAN just took a tenure track geography position at UW-Milwaukee and also had an offer from San Diego State. Congratulations!

CHRISTIAN BRANNSTROM (PhD 1998) and WENDY JEPSON (BA 1994) send their greetings from London and Los Angeles. Christian had a wonderful time showing BILL and SUZY DENEVAN the sights of central London and chat over lunch in Covent Garden in late May. Since joining the Institute of Latin American Studies in the fall of 1999, Christian has published articles in *Economic Geography*, *Land Degradation and Development*, *World Development*, and has forthcoming articles in *Journal of Historical Geography*, and *Political Geography*. He will spend the summer in Brazil working on the Watermark project, a MacArthur Foundation-supported research initiative on watershed management, and his new project on agricultural development in western Bahia state. In addition to research, Christian will make a quick trip to Colombia to present a paper at an international conference on environmental history. Wendy regrets not being able to visit with the Denevans as she had just left for sunny California to finish writing her dissertation at UCLA's geography department, thanks to support from the department and the university's Dissertation Year Fellowship. On her way back to Los Angeles, Wendy stopped at Indiana University to attend the three-week Summer Institute sponsored by the Center for Institutions, Population and Environmental Change (CIPEC) where she met another Madison geography student from her undergraduate years, JEN LIPTON (BA 1993)!

ROBERT LANGSTROTH (PhD 1996) will be heading up the Santa Cruz, Bolivia, office of Dames & Moore/URS Corporation starting October 1. URS is a major environmental and engineering consulting firm worldwide. Robert is leaving his

position as Environmental Analyst and Review Specialist in the Wisconsin Division of Safety and Buildings where he worked since 1995. Robert continues to be actively involved in research on the landscapes and biogeography of the central South American savannas, wetlands, and forest. In June, Robert presented a paper entitled "Lessons from the Llanos de Moxos" at the International Conference on Agriculture and the Environment in the Paraguay River Basin in Asunción.

HARLEY JOHANSEN (PhD 1974) spent six months (January - June, 2001) in St. Petersburg, Russia as Fulbright Scholar with the Faculty of Economics at St. Petersburg State University. While there, Harley did lots of lecturing and also was able to visit the Nordic-based firms he had surveyed five years earlier. At St. Petersburg State, he lectured on western investments into the post-Soviet Baltic region, business location trends in USA, and local development strategies in Finland and USA. Harley also lectured at four other business schools in St. Petersburg, three in Kaliningrad, two geography departments in Finland (Turku and Joensuu) and at the Royal Institute of Technology in Stockholm, Sweden. His latest publication on this topic is "Nordic Investments in the Former Soviet Baltic Frontier: A Survey of Firms and Selected Case Studies" *Geografiska Annaler* (2000).

DUANE GRIFFIN (PhD 1997) accepted a tenure-track position at Bucknell University in Lewisburg, Pennsylvania, in 1999, where he is teaching biogeography, weather and climate, our local version of Geography 127, and GIS. He also co-teaches (with a chemist) a senior capstone course on the biogeography and chemistry of poisonous plants and venomous animals called "The Toxic Biosphere." Duane has also taken on the editorship of the AAG Biogeography Specialty Group Newsletter and managed to finish two writing projects. The first was (finally!) a chapter for Tom Vale's forthcoming book on fire in the West. The second was a chapter on hollow Earth theories for a book on the theme of the hollow Earth in science, literature, and culture. He presented the Hollow Earth paper at Shippensburg University, thanks to an invitation from CHRIS WOLTEMADE (PhD 1993). Duane returned to his dissertation study site in New Mexico last year to set up a microclimate experiment. It worked beautifully until the packrats and mice chewed through the aluminum shielding and ate the wiring to the temperature probes exactly 263 hours after he left. Duane also decided to make peace with the snakes that haunted his dissertation field work via a GIS-based project on the distribution and body sizes of rattlesnake species. Finally, this past summer he worked on a mapping project in Nicaragua that took him to the pine forests where BILL DENEVAN did his master's thesis. Duane has since been reading Bill's monograph and toying with the idea of returning to do some fieldwork, if the fighting in the uplands ever stops.

GARRY L. RUNNING IV (PhD 1997) reports that he got a whole bunch of in-house research grants and has submitted a grant proposal to fund the purchase

of a Geoprobe coring machine mounted on an H2 Humvee. "It's just crazy enough that it might work!" The SCAPE project is in its second year. SCAPE (The Study of Cultural Adaptations within the Prairie Ecozone) is a 5-year, multi-national, interdisciplinary research project to investigate human-environment interaction within the Canadian Prairies. SCAPE is funded for 2.5 million dollars (CN) by the Social Sciences and Humanities Research Council of Canada-Major Collaborative Research Initiative. Garry co-leads a team of geo-scientists who conducted SCAPE related research in Manitoba and Saskatchewan. He was ably assisted in the field by undergraduates from UW-Eau Claire and Brandon University, geography graduate students from UW-Madison Geography, and educators from Nelson-MacIntyre Collegiate in Winnipeg. Geoarchaeological investigations in the Tiger Hills of MB focused on the investigation of Holocene alluvial fans in the Pembina Trench, a large meltwater channel adjacent to the Tiger Hills. The focus of JUSTIN ROGERS' Master's Thesis is determining the age of the fans and deciphering the paleoenvironmental signal preserved therein. Justin, a Vance Holliday student, will complete his thesis in time to present his results at the 2002 Geological Association of Canada (GAC) annual meeting in Saskatoon ("or else I'll have to come down there and he doesn't want that"). Geoarchaeological investigations in the Glacial Lake Hind Basin (GLHB) included work for WOODY WALLACE's Master's Thesis. Woody, another Vance Holliday student, investigated a number of dune fields in the basin. His objective is to determine if the existing chronostratigraphic, paleoenvironmental, and PreColumbian land use models for some of the dune fields in the basin are applicable across the entire GLHB. Woody will also present the results of his work at the 2002 GAC meeting in Saskatoon (also or else). DOUGH FAULKNER (PhD 1994) may be on the SCAPE "geoteam" next year. "We sure enjoy having him around here." All this work led to a number of research articles, including: (with Hopkins, D. G.) "Soils, Dunes, and Prairie Vegetation: Lessons from the Sandhills of North Dakota" *Prairie Forum* (Journal of the Canadian Prairies Research Center, Special Millennium Issue) (2000); four papers presented at the organized session, Landscapes and People on the Canadian Prairies: The "SCAPE" Project, Canadian Association of Archaeologists Annual Meeting, Banff (2001): (1) (with Freeman, A. K. L., Beaudoin, A., and Wiseman, D. J.) "Site- and local-scale processes at the Stampede Site, Cypress Hills, Alberta and the Below Forks site, Saskatchewan", (2) (with Nicholson, B. N., Jol, H. M., and Hamilton, S.) "Ground Truthing Ground Penetrating Radar at the Lowton Site", (3) (with Wiseman, D., Freeman, A., and Beaudoin, A.) "Local-Scale Paleoenvironmental Context: Geoarchaeological Investigations at the SCAPE Research Localities", (4) (with Wiseman, D. J., Joss, B. N., and Hamilton, S.) "A GIS-based Methodology for Landcover Reconstruction Utilizing Dominion Land Survey Township Diagrams"; (with Havholm, K. G., Wiseman, D. J., Nicholson, B., Jol, H. M., Beaudoin, A. B., Hamilton, S., and Boyd, M.) "Post-glacial Geomorphology, Stratigraphy, and Paleoenvironmental History at Flint Stone Hill, Oak Lake Sandhills, Southwestern Manitoba" presented at the 97th Annual Meeting of the Association of American Geographers, New York (2001); (with Freeman, A. K. L.) "Site and Local-Scale Colluvial Processes at the Stampede Site, Cypress

Hills, Alberta", invited paper presented in the Geoarchaeology of Colluvial Landscapes Symposium, Geological Society of America Summit 2000, Reno. -- Val and Garry had fun on a "busman's holiday" in London this August. Garry co-authored a poster presented at the Ground Penetrating Radar in Sediments: Applications and Interpretations conference. The conference lasted two days and took place at the Royal Geological Society in a hall steeped in "geo-history". Val and Garry were surrounded by busts of Charles Lyell and William "Strata" Smith, a painting of notables gawking at the Piltdown Man, and Smith's first geological map of Great Britain (the original). The rest of the week Val and Garry hit all the tourist hotspots and dining establishments in London (and not a few pubs). He can now say his darts have actually been used in a British pub. The kids, Katherine (6.1) and Bennett (3.6) visited grandparents in Canada so they had the week to themselves. All went well except their pate` was confiscated at the MPLS airport. "Oh well, they left us our Stilton and bubbly".

DAVID BERGMAN (BA 1989) has recently been named a partner at Economics Research Associates in Los Angeles. "I use many of the skills that I learned at the UW geography department". ERA is an international consulting firm concentrating in economic analysis for the entertainment industry, real estate, tourism, and economic development. David has lived with his wife and son in Southern California for the past nine years.

TIM BAWDEN (PhD 2001) is currently a Visiting Professor at the University of Wisconsin-Eau Claire (the fifth Madison graduate in the department). He has now taught at 4 UW-System schools, leaving just 9 more to go! Tim, Wendy and Max's summer adventures included lots of travel around Wisconsin and their move out of Madison. Tim has been writing numerous entries for the latest edition of the Dictionary of American History and the Encyclopedia of the Midwest.

DAVID MAY (PhD 1986) is still working in river valleys in Nebraska, including the Loup Rivers, the South Platte, and Medicine Creek. He reports that he has been fortunate to work with other Madison grads in Nebraska, including BILL JOHNSON (PhD 1976), JOE MASON (PhD 1995), and DOUG FAULKNER (PhD 1994). Recent publications include "Stratigraphic studies of Paleoindian site around Medicine Creek Reservoir" in: Seventy Years of Archaeology in the Medicine Creek Valley of Nebraska (in press); and "Geoarchaeological research in Nebraska: A historical perspective" in: Geoarchaeology in the Great Plains (2000). Last year, the University of Iowa Board of Regents awarded him a Regents Award for Excellence in Teaching.

GRETCHEN COLES (MA 1989) published "The mountain man and the fur trade-their Rocky Mountain world, 1820-1840 by Museum of New Mexico (1993); this work was possible through a grant from the New Mexico Endowment for the Humanities. She also gave a paper at the Elmhurst Art Museum about Nuevo Bosque, an art mapping project. In 1997 she received the Purchase Prize from

the College of Dupage, Glen Ellyn, IL for "Greetings from Lindsborg", a prairie map.

ROGER DUBOIS (MS 1970; PhD 1972), at the University of Maryland, Baltimore Country, continues to investigate the attributes of equilibrium shoreface profiles. His latest contribution was published as "Using a quadratic model to theoretically describe the nature of equilibrium shorerise profiles" in the 2001 summer issue of the Journal of Coastal Research.

PAULA ROBERT (PhD 1994) recently published a book "La Gran Linea: Mapping the United States-Mexico Boundary, 1949-1857 (University of Texas Press, 2001).

SARAH OSGOOD BROOKS (PhD 1998) will continue for fall and spring semesters as Visiting Assistant Professor at the University of Illinois-Chicago where she has been teaching Geography of Latin America, History and Philosophy of Geography, Global Cities, and some introductory courses. Although she moved to Chicago in August 2000, she still returns to Madison to see friends and use the UW libraries on occasion. She gave a paper at the AAG meeting in New York on "The Shift from Rainfed to Irrigated Agricultural Terraces in the Prehispanic: Colca Valley, Peru."

MAC LACY (MS 1998) received a J.D. and a Certificate in Environmental and Natural Resources Law from Northwestern School of Law in 2001. Recent publications include "Our sedimentation boxes runneth over: Public lands soil law as the missing link in holistic natural resource protection" in Environmental Law (2001); and "The irrigated desert and imperiled salmon: 'Reclaiming' illegally spread water via the Endangered Species Act" in Denver Water Law Review (2001).

GRADUATE DEGREES

PhD Degrees Spring 2001

BAWDEN, TIMOTHY

"Reinventing the Frontier: Tourism, Nature, and Environmental Change in Northern Wisconsin 1880-1930" (Ostergren)

Masters Degrees Summer 2001

ENGLISH, EDWARD MARKS

"Assisting Knowledge-Based Inferential Soil Mapping: The Application of Fuzzy c-means Clustering to Expose Environmental Niches" (Zhu)

HOPPENSTEDT, RICHARD FREDERICK

"Building Clinton's Big Ditch: An Environmental History of the Erie Canal" (Vale)

FONKERT, CLAUDIA

"German Green Party and the EU: Changing Geographics of Identity and Action"
(Cadwallader)

GALT, RYAN

" Pesticide Use and Alternatives in Costa Rica" (Zimmerer)

QI, FENG

"A Data Mining Approach to Knowledge Discovery From Soil Maps" (Zhu)

QUINBY, EDWARD

"Merging GIS/RS and Socio-Environmental Analytical Methods in the Study of
Land Use Change: The Case of Citemene Agriculture in the Northern Province of
Zambia" (Turner)

ZUBROW, ALEXIS

"Mapping Science: Remote Sensing, Regional Land Cover Maps, and the
Production of Scientific Knowledge" (Turner)

GIS Certificate Spring/Summer 2001

BIEBERITZ, MICHAEL DALE

HIRT, JACK ERICH

LUNDERS, ERIN

WILSON, DAVID H.

GUEST LECTURER SERIES

Spring 2001

WILLIAM DOOLITTLE, Erich W. Zimmermann Regents Professor of Geography,
University of Texas, "'Invisible' Individuals as Agents of Landscape Change:
Mallorcans in The Colonial New World"

ROBERT SACK, Professor of Geography, UW-Madison, "The Geographic
Problematic: Moral Issues"

HONG JIANG, Assistant Professor of Geography, UW-Madison, "Modernization,
Culture, and Landscape Change in Uxin Ju, a Mongolian-Chinese Borderland"

KENNETH FOOTE, Associate Professor of Geography, University of Colorado - Boulder, "Hungary After 1989: Inscribing a New Past on Place", the John Treacy Memorial Lecture

LISA NAUGHTON, Assistant Professor of Geography, UW-Madison, "Wild Animals in the Garden"

JAMIE PECK, Professor of Geography, UW-Madison, "Geographies of Flexible Labor"

DANIEL DOEPPERS, Professor of Geography, UW-Madison, "Three Waves of Rinderpest Epizootics in the Philippines: Disasters for Cattle, Carabao, and Rice Producers"

ERICA SCHOENBERGER, Professor of Geography, Johns Hopkins University, "Interdisciplinarity and Social Power", the Glen Trewartha Lecture

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