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PAGE 3
Director’s Welcome
• Acting Director Jody Emel welcomes us into the new academic year

PAGE 4
Faculty News
• Welcoming new faculty: Professor Prajjwal Panday
  • Professors Deb Martin and Gil Pontius share their research

PAGE 6
Doctoral Student News
• Welcoming the new Ph.D. Cohort
  • CUGS Field Camp highlights and photo album
  • Nate Mietkiewicz TA Award

PAGE 9
Graduate Student News
• Welcoming the new MS-GIS 5th Year Cohort
  • Sean McCartney (GISDE) and NASA DEVELOP

PAGE 11
Undergraduate News
• HERO Program Updates
  • Staff Changes

PAGE 13
Alumni News
• Catch up with Safaa Karaki Aldwaik (MA ’07, MA ’10, Ph.D. ‘12)
  • More alum updates
  • Jobs of recent graduates

PAGE 14
Careers in Geography
• Gabriel Yarleque (BA ‘13) and ESRI

PAGE 16
Student Travel
• Doctoral Students Scott Odell and Ashley York share their research

PAGE 17
Study Abroad Spotlight
• Alex Cohen (GEOG, ’16) shares her abroad experience in Queensland, Australia
  • Distinguished student research award (SFS)

PAGE 18
Geography Office Students
• Meet our 2015-16 student Office Assistants & GIS Help Desk Assistant

PAGE 19
CUGA Corner
• Meet our 2015-16 E-Board
  • Join CUGA!

PAGE 20
Updates & Events
• Important dates to remember
  • GIS Help Desk Fall 2015 hours
  • CUGA “End-of-Summer” Kick-Off

PAGE 22
Program Updates
• About our undergraduate majors
  • Majors Fair

All photographs used in this publication were contributed by Clark Geography faculty, students, and/or staff unless otherwise noted. See page 23 for credits.

A digital version of this newsletter can be found at clarku.edu/departments/geography/about/newsletters.cfm
Dear Folks,

Welcome to the new academic year. It is my great pleasure to welcome our new colleague Dr. Rinku Roy Chowdhury and our visiting colleague Dr. Prajjwal Panday. Welcome to all the new graduate and undergraduate students as well!

After we’ve hugged and shaken hands, welcomed the new and the returning, and found our rhythm in the classroom (for the most part!), it is time to recognize the seriousness of what we do. With war raging in Syria and Afghanistan, refugees fleeing via dangerous routes, and climate change surging forward, what we do inside and outside the classroom takes on special meaning. It is difficult to balance optimism with the earnestness required to deal with the huge issues of the early 21st century; to impart the significance while still modeling hopefulness. But we are in for the long haul - thus humor without trivializing and wisdom without pedantry are indispensable. Solidarity provides sustenance and footing. Our work as geographers, spatial scientists, and environmental scientists (both social and biophysical) has never been more important than it is today. Welcome to a new academic year and welcome to the struggle. As Dr. Martin Luther King, Jr. so eloquently put it:

“Human progress is neither automatic nor inevitable...Every step toward the goal of justice requires sacrifice, suffering, and struggle; the tireless exertions and passionate concern of dedicated individuals....This is no time for apathy or complacency. This is a time for vigorous and positive action.”

— Jody Emel, Acting Director

REMINDERS

Join us on Thursday, October 15th for our annual Wallace W. Atwood Lecture, featuring Dr. Eric Lambin (Earth System Science, Stanford University; Senior Fellow, Stanford Woods Institute for the Environment). Join us to hear his talk: “Land use change in the globalization era: Challenges and opportunities” in Tilton Hall beginning at 7pm. This lecture will also be livestreamed for the convenience of those who cannot attend. Check out our event website for details.

If you would like to receive email updates about events and other happenings within the Graduate School of Geography, contact geography@clarku.edu and we will direct your message to the appropriate staff member who can add you to the list. Announcements are frequently sent out about upcoming events, career and internship opportunities, and other important information. Don't miss out!

Traveling somewhere for research? Working on an interesting project around Worcester? Have a collection of recent photos of places you have visited? We are always looking for new content for future newsletter issues, and you might have what we are looking for! If you have information to share or know someone who is doing great work that should be recognized, email RLevitt@clarku.edu to see if your content can be featured in upcoming issues!
Robert (Gil) Pontius  
Associate Director and Professor,  
Graduate School of Geography

For the second summer in a row, Professor Pontius spent a month at Hunan University of Science and Technology. He and his host, Professor Bin Quan, are doing GIS-based research concerning land change in China.

More news: Gil Pontius published a paper with former Ph.D. student Marco Millones that has been documented as the most cited paper in the International Journal of Remote Sensing during the last five years. Click here to see the full article.

Prajjwal Panday  
Visiting Assistant Professor of Geography  
Land surface hydrology, Remote sensing, Biophysical modeling, Mountain environments

Please welcome our newest addition to the Geography faculty, Professor Prajjwal Panday! Professor Panday is teaching GEOG 102 Weather & Climate, and GEOG 119 Arctic System Science.

“I joined Woods Hole Research Center’s Brazil team in 2013 as a Postdoctoral Fellow after receiving my Ph.D. from the Graduate School of Geography at Clark University. I also have a Master’s Degree in Environmental Sciences from SUNY-College of Environmental Science and Forestry and a Bachelor’s Degree in Environmental Studies and Chemistry from St. Lawrence University. I am a geographer with research and intellectual interests focused on using a systems approach to determine linkages between climate variability, anthropogenic changes (land use and climate), and land-water interactions. My research has primarily focused on analyzing and modeling changes in the hydrological balance and hydroclimatic variability owing to the impacts of land cover and climate changes in the Amazonian and Himalayan River Basins, two regions at the forefront of environmental changes. My doctoral work, funded by a NASA Earth and Space Science Fellowship, focused in the Himalayan region with contributions to understanding and establishing hydrological, climatological and ecological baselines necessary to this region. My current research focuses on deforestation-related impacts to the water cycle in the Amazon and examining the impacts of extreme hydrological events on Amazon floodplain hydrology and fisheries.”
Deb Martin went to the Twin Cities of Minnesota (aka Minneapolis and St. Paul) in July to conduct field work for a new research project funded by the National Science Foundation. Titled “Collaborative Research: The Scale of Governance in the Regulation of Land: Community Land Trusts in the Twin Cities,” the project is a collaboration with co-PIs Profs. Joseph Pierce (Clark Ph.D., 2011), of Florida State University, and James DeFilippis, of Rutgers University. The Twin Cities metro area is home to five housing community land trusts (CLTs), which are private, not-for-profit organizations that own residential land in trust for a community defined by membership and geographical boundaries at varying scales, from the sub-neighborhood to the urban region. Increasingly being used to provide affordable housing, CLTs offer long-term renewable leases for the use of their land to members, who in turn own the homes built on that land. This research examines the relationships between the geographic scale of a Community Land Trust; its engagements in regional land governance (including interactions with other non-profit and government agencies); and its geographical identity, including the place and community identities produced.

The research team – including the three co-PIs and two graduate students, our own Azi Hadizadeh, and Olivia Williams of Florida State University – spent two weeks living together in a three bedroom house (it wasn’t as crowded as it sounds, thanks to a finished attic and basement) in St. Paul, right near Deb’s old stomping ground of Macalester College. While experiencing “real world: academia,” they conducted over 30 research interviews and site visits to CLT properties, and had a blast, cooking together, sampling Twin Cities restaurants, and listening to great music, when not deeply embedded in the research. (Joe, Azi, and Olivia were there for the full month of July).

(Left) Azi sampling local fare: Minnesotans take their dairy very seriously

Thank you to Professor Martin for providing this information! To keep up with our latest faculty news, visit us online at clarku.edu/departments/geography/newsevents/newsfaculty.cfm
Introducing our 2015 Ph.D. Cohort

• Jacob Chamberlain | U.S.
  M.A. Postcolonial Culture and Global Policy, Goldsmiths College, University of London & B.A. Philosophy, University of Southern Maine

• Janae Davis | U.S.
  M.A. Geography, University of South Carolina & B.A. Sociology (Anthropology Concentration), North Carolina State University

• Ben Fash | U.S.
  B.A. Studio Art, Wesleyan University

• Dylan Harris | U.S.
  M.Sc. Environment and Development, London School of Economics and Political Science & B.A. Political Science and Religion, University of Southern Mississippi

• Guy Hydrick | U.S.
  M.Sc. Environmental Science, Policy and Management, Central European University/University of Manchester/Lund University & B.A. Geography and International Studies Millersville University

• Roopa Krithivasan | U.S.
  M.E.Sc. Environmental Science, Yale University, USA & B.A. Biology, University of Chicago

• Rich Kruger | U.S.
  M.A. Geography, Rutgers University & B.A. Geography and Urban Studies, Temple University

• David Lukens | U.S.
  M.S. International Studies, Central Connecticut State University & B.A. History, Illinois State University

• Alex Moulton | Jamaica
  M.S. Geography, East Carolina University, USA & B.Sc. Geography and Geology, University of the West Indies, Jamaica

• Leslie Gross Wyrtzen | U.S.
  B.A., M.A., University of Texas at Austin

• Su Ye | China
  M.S. Environmental Studies, Queen’s University, Canada & B.A. Forestry Science, Beijing Forestry University, China

• Kaixi Zhang | China
  M.S. Earth Observation, University of Leuven, Belgium & B.S. Geographical Information Science, Wuhan University, China

• Yu Zhou | China
  M.S. Cartography & GIS, Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences, China & B.E. Remote Sensing Science & Technology, Shandong University of Science and Technology, China

View all of our current doctoral students’ bios and research interests at clarku.edu/departments/geography/graduate/current-students/index.cfm
CUGS Field Camp 2015

Over the weekend of August 21-23, Clark University Geographical Society (CUGS) students gathered in Dunstable, MA for the annual Field Camp tradition at Camp Massapoag. This year’s Field Camp was organized by second year Ph.D. students Carlos Dobler and Laura Sauls. Many thanks to both of them for organizing, and to Carlos for providing us with this info!

“A new academic year began, and with it, new geographers-to-be arrived to our beloved department. But not so fast, young apprentices. There is a last step to call yourselves part of this family: field camp. Once again we embarked to the woods for a week, armed with our sleeping bags and Peet’s Modern Geographical Thought. Tradition. After all, that’s what this is about.

And tradition dictates a ritual of initiation. The newcomers, one by one, perform a trust fall while swearing allegiance to their new kin. A raging bonfire is witness of the act. And those who came as kids, emerge as geographers. They are Clarkies now.

And tradition dictates swimming in the lake, no easy task given the indomitable waters. But exhausted after soccer, basketball, and Settlers of Catan tournaments, certainly a refreshing dive is needed.

And tradition dictates feasts of delectable food. Delicacies from the around the world met our grill, chopping boards and finest plastic cutlery. Everybody ate until satisfied, and acknowledged the culinary abilities of those diligent 2nd year students behind the improvised kitchen.

And tradition dictates s’mores: a cornerstone of American camping culture. Marshmallows melting/igniting over the fire while we danced to the sound of eclectic music.

New academic year. But traditions are here to stay. We, geographers at Clark, honored once more this beautiful and communal one: field camp.

For many more to come.”

— Carlos Dobler, Second Year Ph.D. Student

Top photo: Field camp attendees on the dock of Lake Massapoag
Bottom photo (L-R): Zhiwen Zhu, Professor Gil Pontius, Patrick Mutegeki
Photos

Left: Azadeh Hadizadeh Esfahini, Laura Sauls and others organizing the snacks  
Middle: New cohort bonding  
Right: Settlers of Catan tournament. Thank you to Yifan Cai (second year Ph.D. student) for providing us with these photos, and thank you to all who attended!

TA Award

Congratulations to Fourth Year Ph.D. Student Nate Mietkiewicz for receiving the Clark University Outstanding Teaching Assistant Award for 2014-15! This award was presented to Nate by Acting Dean of Graduate Studies, Luis Smith, during our GSG Fall 2015 Departmental Welcome Back Reception on September 9th.

Nate’s research interests include: Applications of environmental GIS and Remote Sensing, fire behavior and fuels modeling, forest and disturbance ecology, mountain ecosystems, global environmental change.

Be sure to check out our website for more news about our doctoral students, and to view profiles on all of our current students: clarku.edu/departments/geography/graduate/current-students/index.cfm
Introducing our MS-GIS 5th Year Cohort

2015-16 Academic Year

(L-R) Erin Glennie, Hannah Rush, Suzanne Birdsell, Sarah Philbrick, Michino Hisabayashi, Moriah Day, Charlotte Mays

This year’s MS-GIS 5th year group is a historic group of seven young women, a first for the program.

About the 5th Year ADP [ Advanced Degree Program ]

The MS degree in Geography specializing in Geographic Information Science is an option for students majoring in Geography, Global Environmental Studies, Earth System Science, Economics, International Development and Social Change, or Environmental Science and Policy. Students in these fields can apply for the MS GIS program and continue their studies, if accepted, for an additional year after receiving their Bachelors degree. See our website for full details on program eligibility and requirements.

clarku.edu/departments/geography/maprograms/index.cfm
Sean McCartney (MS-GISDE, ’15) was selected as one of two DEVELOPers of the Term for summer 2015. Participants were selected for their strong leadership skills, and for demonstrating incredible initiative and dedication to their project. Congratulations!

During his internship at NASA DEVELOP, Sean was the lead for a project that evaluated droughts in Thailand (detailed below, and [linked here](#)).

After his internship, Sean was offered a one year position as the Center Lead at Goddard Space Flight Center and he will be using species distribution modeling and GIS to evaluate the habitat of the northern goshawk in Montana. [Click here to view the article](#).

**Monitoring Risk and Extent of Drought for Enhanced Decision Making and Resource Allocation in the Kingdom of Thailand**

“Drought is a natural disaster impacting agricultural, environmental, and economic livelihoods. The Kingdom of Thailand is impacted by drought due to the variability of monsoon rains as well as other unfavorable meteorological conditions. The drought of 2015 was the worst drought to impact Thailand in over 15 years. As one of the biggest exporters of rice in the world, drought has the ability to impact the economy of Thailand in a big way. The available drought monitoring system in Thailand looked at only agricultural drought. This was insufficient for analyzing accurate risk management and decision-making. Using data from various Earth observing satellites, such as Terra Moderate Resolution Imaging Spectroradiometer (MODIS), Aqua MODIS, Tropical Rainfall Measuring Mission (TRMM) and Global Precipitation Measurement (GPM), and in situ stations, this study utilized three indices to analyze and monitor the current state of meteorological, hydrological and agricultural drought across Thailand.

The Standardized Precipitation Index was used in monitoring meteorological drought, the Stream-Flow Drought Index was used in monitoring hydrological drought, and the Drought Severity Index was used in monitoring agricultural drought. All indices were based on a monthly temporal resolution for monitoring drought. The study demonstrated how a combination of various indices can offer better understanding of drought conditions, with data derived from Earth observing satellites offering the ability to monitor drought across the entire country and in near-real time.”

**Photos:**
Top: Sean McCartney receiving recognition from the Director of Applied Sciences, Lawrence Friedl  
Middle (L–R): Clarkies at NASA DEVELOP — Sarah Philbrick (MS-GIS ’16), Amy Phillips (GEOG ’16), Kayla Patel (MS-GIS ’15), and Sean McCartney (MS-GISDE ’15).

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Middle (L–R): Clarkies at NASA DEVELOP — Sarah Philbrick (MS-GIS ’16), Amy Phillips (GEOG ’16), Kayla Patel (MS-GIS ’15), and Sean McCartney (MS-GISDE ’15).
While most of Clark’s campus falls quiet during the summer months, there remains a small group of geographers who dedicate their breaks to conducting research for the HERO program, venturing out to collect samples, measurements, interviews, and more from local and nearby residents to study coverage of the tree replanting efforts in Worcester post-ALB infestation. Students assessed the health of the tree replanting initiative conducted by Mass DCR and WTI (Worcester Tree Initiative) to replace trees the USDA APHIS (Animal Plant Health Inspection Service) had to removed to eradicate the beetle. As part of their study, these students went into the field conducting interviews with neighbors and other Stakeholders, as well as surveyed the health of the newly planted trees. This fall, HERO Students presented their research to the office of the USDA APHIS in Massachusetts and will soon present at Fall Fest. In the spring, they will travel to San Francisco for the American Association of Geographers Annual meeting.

HERO-MA Research Areas
NSF REU HERO engages in two main areas of research concerning the causes and consequences of the Asian longhorn beetle (ALB) infestation in central Massachusetts on urban and ex-urban forests:

**Tree Planting Assessment (TPA):** This research stream uses field data collection, geoinformatics-based mapping and ecosystem services modeling/forecasting techniques to examine how the extensive tree replanting program has impacted the urban environment in terms of forest diversity, cover/density/configuration, land surface temperature, and various ecosystem services, and the likely future impacts. The TPA research stream will contribute to a burgeoning body of knowledge concerning urban forest sustainability, tree planting from an environmental justice perspective, and ecosystem service modelling. TPA will also shed new light on the current and future eco-services impact of tree planting initiatives throughout the U.S.

**Place-Making Assessment (PMA):** This research stream uses qualitative data collection methods, such as interviews and focus groups to explore: (1) How the experience of tree planting programs and the associated policy interventions, affects neighborhood-level urban ecological vulnerabilities, environmental awareness and sense of place?, and (2) How can resource managers and policy makers implement more environmentally aware policies and build local tree and environmental stewardship? We emphasize the interactions among individual residents, policy makers at a variety of jurisdictional scales, and biophysical processes. The PMA group seeks to better understand the social and political element of tree survivorship. Examining the ongoing policy changes to the Worcester region’s urban forest during the tree planting efforts provides an opportunity to observe changing urban forest management protocols, and their impacts on ways people experience their city, town or home, i.e. place-making, and how their ethic of tree and other environmental care changes based on those experiences.
This year’s group of HERO fellows is unique in that they are all Clarkies, meaning that they will work together throughout the academic year to continue their research that began over the summer. Each of these students will focus on a specific research question relating to data collected over the summer, and will ultimately turn this information into a culminating thesis, which they will be able to present at AAG as well as in front of a committee of their faculty research supervisors come the end of Spring 2016. We are all very excited to see what they come up with!

Staff Support

As of August 2015, Rachel Levitt (GSG Undergraduate Program Coordinator) has newly entered the role of HERO Administrative Assistant—a role formerly filled by her colleague in Geography, Brenda Nikas-Hayes, who served as staff support for HERO alongside her primary role as GSG Graduate Program Administrator for six years. On behalf of all of the HERO faculty, staff and students, we want to thank Brenda for all of her hard work and dedication to HERO throughout the years! Rachel is excited to learn the ropes from Brenda, and has already begun to provide staff assistance to the program. If you have any questions about HERO, please contact Rachel at RLevitt@clarku.edu.

Check out HERO online > > clarku.edu/departments/hero/index.cfm
Doctoral Alumni

Stephen Young, Ph.D. ’96, Prof. of Geography at Salem State University and his colleague Prof. Paul Kelly of the Biology Department at Salem State have their work Macro or Micro? Challenging our Perceptions of Scale featured in a special exhibit currently running this summer through September 30, 2015 at the Museum of Science Boston.

Safaa Karaki Aldwaik, MA ’07, MA ’10, Ph.D. ’12 has received the ESRI SAG Award 2015 for her GIS work with the City of Ramallah, Palestine. Safaa received her award from ESRI’s president Mr. Jack Dangermond during the ESRI User Conference 2015 in San Diego on Wednesday, July 22, 2015. She is the Director of Geographic Information Science and Information Technology Department at Ramallah Municipality, Palestine.

Aldwaik is the Director of Geographic Information Science and Information Technology Department at Ramallah Municipality, Palestine. She has established the first GIS Municipal System in Palestine and is using cutting-edge GIS concepts to implement the first addressing system in Ramallah City and to convert the entire municipal services to e-services.

At Clark, Aldwaik earned two master’s degrees (’07 and ’10) and a Ph.D. (’12) in geography with a concentration in GIS, Land Change and Remote Sensing.

“The knowledge and experience I gained in my time at Clark was priceless and enabled me to change the Palestine GIS interface. GIS now is part of Ramallah City’s daily works,” Aldwaik said. “No words are enough to express my gratitude for Clark faculty, and for my remarkable adviser [Robert Gilmore Pontius Jr., professor and associate director of the Graduate School of Geography].”

Aldwaik also designed a Ramallah Smart City project that turns the entire city into a wireless access zone providing free, 24-hour access to municipal services. She is co-president of the Smart Cities Committee established during UCLG-MEWA Executive Bureau and Council Joint meeting in Adana, Turkey in December 2014 to improve the knowledge of local authorities and citizens of Middle East and West Asia region in the field of new technologies.

As you see, being a mother of five children has not prevented me from being a role model for women participating in science, technology, and public services,” Aldwaik noted in a message to Prof. Pontius.

The Esri company develops geographic information systems that “function as an integral component in nearly every type of organization. Esri inspires and enables people to positively impact the future through a deeper, geographic understanding of the changing world around them.” Click here for the full News Hub article.

Careers of Recent Alumni

(K posts taken by graduates, ABDs or alums in 2015, Geography appointment if not otherwise stated)

Katherine Foo (Doctoral Program) — Department of Geography, PSU, Post-Doc

Emily Gallagher (Doctoral Program) — CGRAS, Clark University, Assistant Professor


Sean Cunningham (MS-GIS, ’15) — Doctoral Program, UBC

Anastassios Dardas (MS-GIS, ’15) — Doctoral Program

Cody Litchfield (MS-GIS, ’15) — GIS Analyst, E&J Gallo Winery
Gabriel Yarleque graduated from Clark as an Earth System Science major in 2013. During his time as an undergraduate student, Gabriel completed an Honors thesis under the supervision of Professor John Rogan, which was recently featured in 2015 by Jack Dangermond, President of ESRI, during his opening speech at the 2015 ESRI User Conference Plenary Session. Gabriel also presented a poster about his project during the ESRI Map Gallery. We are very proud of Gabriel’s achievements, and are grateful that he was able to share his experience with us.

“"I am currently in Lima, working at TELEMATICA S.A, Esri’s International Distributor in Peru. As a GIS Analyst I work with the Project Development and Support Team. I help public and private institutions maximize the use of the ArcGIS Platform. I also provide smart solutions to optimize their projects and decision making processes in areas such as urban planning, conservation and resources management, social programs, transportation, emergency management, etc. Occasionally I lead hands-on trainings and technical workshops on the uses and applications of ArcGIS for different institutions.

Before coming to Clark I was uncertain about my career path. **When I was at Clark everything changed.** I was part of a strong community that taught me to see the world from different perspectives. I had the opportunity to explore different fields of study, learn new skills and find my passion, Environmental Science and GIS. **I was inspired to become a global citizen and a future leader.** I wasn’t taught GIS just by following instructions. I was taught to understand, question and challenge the way things are.

[continued on next page]
I value the opportunity I had working with my peers and faculty, addressing real world issues and finding solutions. This is what I do now. I use Geographic Information Systems to help organizations develop smart and efficient geographic solutions to improve decision making processes in different areas in Peru.

When I graduated I asked myself how I can be extraordinary enough to change the world. Then I thought about my time at Clark. All those experiences shaped the person and the professional I am today. I was inspired to use my skills, my thinking and best values to impact and change the world around me, by applying geography everywhere.

Gabriel Yarleque
[continued from previous page]

A month before the Esri User Conference an email was sent out to all the participants requesting examples of our work. Especially maps that helped make a decision, maps that helped with collaboration, maps that helped communicate, high-quality cartographic displays, 3D visualizations – built environment, nature landscapes –, maps that illustrate spatial analysis, modeling and science, as well as interactive web maps. The selected maps were featured during “GIS around the world”, the opening section at the Plenary Session. Here Jack Dangermond began to showcase remarkable work in GIS around the world, to illustrate and provide an inspiring overview of the current state of geospatial technology. The study area map I created for my Honors thesis - “Gold mining and land cover change in Madre de Dios, Peru: A remote sensing study using LandSat-5 Thematic Mapper Data” - was featured in the Natural Resources Management group. This group also included work related to precision agriculture, crop rotation, marine planning, as well as agriculture and forecasting activities. My map shows natural protected areas, native communities and small-scale mining activity in the Madre de Dios. The purpose is to monitor and help reduce deforestation due to gold mining activities. Jack also highlighted work being done in environmental monitoring and assessment, developing energy resources, management of land information, urban and regional planning, transportation, utilities and telecommunications, business analysis and management, public safety and security, etc. Additionally I also presented my research at the Map Gallery, a large exhibit that showcases significant GIS work around the globe.

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Gabriel’s thesis can be found on display in the Graduate School of Geography in the Jefferson Academic Center. Thank you to Gabriel for providing us with this information!
Scott Odell
Second Year Ph.D. Student

Second-year Ph.D. student Scott Odell collaborated with the International Potato Center’s in-situ conservation initiative, Chirapaq Nan, this summer on a project in Peru and Bolivia. The research team interviewed farmers in 11 communities about the role of factors such as climate change, gender, and culture on the conservation of native potato varieties in their place of origin—the Andean Highlands. They also presented their research project on a local radio station in Peru and at two formal community meetings in Bolivia.

Top Photo
Odell and fellow researcher Gaia Luziatelli of the International Potato Center discussing their research project on the local radio station in Haquira, Peru.

Bottom Photo
Odell at a potato field in Peru at an elevation of more than 14,000 feet above sea level.

Ashley York
Third Year Ph.D. Student


(Bottom right photo) Ashley cuts Greenland ice core samples at the -24°C National Ice Core Lab. The ice cores were collected in Greenland in May 2015 as part of Karen Frey’s NSF grant.
“Studying abroad was such an incredible experience! I know it sounds cliché, but going away and leaving Clark made me appreciate myself, my school, and other places I explored so much more. I was living in the Australian rainforest, doing conservation research there. As a human geographer, I had very little science background and was really learning as I went. However, I never felt uncomfortable and the only times I was outside my comfort zone were when I put myself there. As part of the SFS study abroad program, each student spends the last third of the semester doing a Directed Research Project. My project entailed surveying residents and trying to understand their environmental values and their sense of place attachment. I looked at this project through a gendered lens, namely, I wanted to see if either male or female residents had a higher place attachment. This would be important because if people care about their geography, they will be more likely to protect it if they are in political positions. Women tended to show a higher place attachment, but do not hold as many political seats as their male counterparts, which has political implications. This project made me realize how much I loved research and how fun it can be to get your hands dirty and live in a new and different place!” — Alex Cohen, GEOG ’16

Thank you to Alex for providing us with this info!

Photos: (Top) Alex’s research team comparing survey answers on Mission Beach, QLD. Photo credit to Carina Easley-Appleyard. (Middle) Alex and two other SFS students collecting data on trees and forests in a project to understand the Yellow Bellied Glider’s habitat. Photo credit to Justin Clarke. (Bottom) The entire SFS Australia group. Photo credit to Drew Sorrenson.

SFS Presents Distinguished Student Researcher Awards

Congratulations to Alex for being one of six students to receive this award from SFS (School of Field Studies)!

“Each year, The School for Field Studies honors its most exceptional students with Distinguished Student Researcher Awards for their important contributions in environmental research. Students are nominated by SFS faculty based on their demonstrated sophistication in research design, fieldwork, reporting, and contribution to the Center’s research plan. The SFS award also recognizes the student’s leadership exhibited while working with a team of student and faculty researchers in the field.

“Alexandra Cohen, Clark University and SFS Center for Rainforest Studies, Australia
Cohen’s research project, Examining gender variations in values in the Wet Tropics of Queensland, Australia, was analysis of difference by gender on conservation goals and environmentalism among respondents. Her findings suggest that women in the Wet Tropics may have an increased sense of place and thus have placed increased importance on conservation education.”

Click here to view the full article
Meet our 2015-16 Geography Office Assistants!

Yuka Fuchino  Office Assistant
Yuka is a senior who has been working in the Geography office for the past three years. She is majoring in Geography with a concentration in GIS, which she hopes to apply to natural hazards and disasters. In the past summer she has been a part of the HERO program at Clark University and continues her research into the school year to be able to present at the AAG in the spring semester.

Amy Phillips  GIS Support Assistant
Amy is a senior majoring in Geography with a focus in Geographic Information Science. She is interested remote sensing as a tool for environmental monitoring and sustainable practices. Amy participated in the HERO fellowship during the summer of 2014 and spent the past summer in Hampton, Virginia participating in the NASA DEVELOP national program. Amy has been on the e-board of the Clark Undergraduate Geography Association for the past year, and will continue this role in 2015-16. Amy will be staffing our GIS Help Desk—a resource designed for students seeking assistance with labs, projects, or general GIS inquiries during her hours in the main office (posted on page 20).

Ruby Pendergast  Office Assistant
Ruby is a senior from Boston. She is a sociology major with a concentration in health. She has enjoyed working in the Geography Department for the past three years, and is excited to return after a semester abroad in England. Ruby works in our office as a student in the International Studies Stream program, which is administered through the School of Geography.

Ilanah Taves  Office Assistant
Ilanah is senior working in the Geography Department. She is a Geography Major with an Urban Development and Social Change concentration. As a student here at Clark, Ilanah is interested in wildlife and the environment while currently using that as a reference for her future endeavors. Outside of school, Ilanah is very passionate about animals and wishes to also include that in her work after graduating from Clark.
CUGA is a place for students interested in making a positive impact and for all undergraduate Geography, Global Environmental Studies (GES) and Earth Systems Science (ESS) students. CUGA members are the voice of these students, with representation on the undergraduate studies committee and in departmental meetings and events. Representatives are able to vote and express their ideas and opinions on various topics that concern undergraduate majors.

Join CUGA today > > Contact ClarkCUGA@gmail.com

Kim Johnson: Co-President
Kim Johnson is a senior Geography major from Cumberland, Maine. She is co-president of CUGA with Hannah Rosenblum. Kim is eager to start planning some fun CUGA events and cannot wait for new members to join. In her spare time, Kim enjoys drinking iced tea and playing Carmen Sandiego.

Hannah Rosenblum: Co-President
Hannah is a senior majoring in Geography and Cultural Studies & Communication. She is co-President of CUGA with Kim Johnson, and has been involved with the club for 3 years. Within Geography, she is most interested in the application of GIS and remote sensing to issues of urban ecology. Last semester she studied abroad in Jordan, and this past summer she was a HERO fellow.

Amy Phillips: Treasurer
Amy is a senior majoring in Geography with a focus in Geographic Information Science. She is interested remote sensing as a tool for environmental monitoring and sustainable practices. Amy participated in the Human Environment Regional Observatory (HERO) fellowship during the summer of 2014 and spent the past summer in Hampton, Virginia participating in the NASA DEVELOP national program. Amy has been on the e-board of the Clark Undergraduate Geography Association for the past year, and always looks forward to Trivia Night!

Will Heikes: Historian
Will is a geography and economics double major with an Urban Development and Social Change concentration from Castle Rock, Colorado. He is currently studying abroad in Maastricht, Netherlands. Within geography, Will is interested in economic and urban development and has had internships with contractors, developers and city entities. In his free time Will enjoys listening to country music, watching TV and eating pie.
Dates to Remember

October 12-13th
Fall Break [ no classes ]

October 14th
Undergraduate Majors Fair

October 15th*
Wallace W. Atwood Lecture:
Dr. Eric Lambin
Stanford University
University of Louvain, Belgium

October 29th
Colloquium: Priscilla McCutcheon
University of Louisville

November 12th
Colloquium: Pablo Bose
University of Vermont

November 19th
Colloquium: Bruce Braun
University of Minnesota

Be sure to check our Events website for details, updates and announcements of events throughout the academic year!

All colloquium talks will be held in Jefferson 218 from 12:00-1:15PM unless otherwise noted. *The October 15th Atwood Lecture will take place as a separate event at 7pm in Tilton Hall.

GIS Help Desk

Having trouble with GIS? Can’t make it to visit your professor or TA for office hours? Stop by our GIS Help Desk in the Geography Main Office (Jefferson 220)!

Fall 2015 Hours are as follows:

MONDAYS
9:00 AM - 12:00 PM
12:00 PM - 2:00 PM

THURSDAYS
9:00 AM - 2:00 PM

FRIDAYS
9:00 AM - 2:00 PM

Help Desk hours follow a University schedule. If the University is closed (or if the Geography office is closed), the GIS Help Desk will be unavailable. Hours may be limited or extended during midterms/final exams. Any changes will be announced or posted on the Clark University Geography Facebook page. Appointments operate on a first-come, first-serve drop-in basis unless otherwise scheduled.
End Of Summer Kick-Off

On **Wednesday, September 9th**, students, faculty, and staff gathered outside on the Green on a 91 degree afternoon to celebrate the end of summer and the beginning of a new semester. Aside from the heat, it was a perfect afternoon for students to take a break, play badminton and Kan-Jam, and get to know one another over delicious food and drinks. Thank you to our CUGA E-Board Kim Johnson, Hannah Rosenblum (Co-Presidents), and Amy Phillips (Treasurer) for helping and co-sponsoring this event!

**Photo:** (below) Friendly Kan-Jam competition between **Renee Tapp** (Doctoral student) and **Yuka Fuchino** (GEOG, ’16) versus **Alex Hayes** (THEA & GEOG ’16) and **Professor Mark Davidson** (Geography)

[undergraduate] Majors Fair

October 14th, Tilton Hall, 1:30-2:30 PM

Interested in helping to represent your major on a University level? Consider volunteering at our next Majors Fair, coming up on Wednesday, October 14th! As a department, we will have table space to represent **Geography, Global Environmental Studies, Earth System Science (track), and Urban Development Social Change.** If you’d like to share your knowledge and experiences with fellow undergraduate students, we are welcoming volunteers to help represent these four areas. Contact Rachel Levitt if you are interested in helping out: **RLevitt@clarku.edu.** Thank you!
Our Undergraduate Programs

Geography
Geography majors use the lenses of space and place to examine issues as diverse as famine on the African continent, poverty in urban areas in the United States, the effects of climate change on Arctic sea ices, and how fires alter forest landscapes. There are 4 areas of specialization within the Geography major/minor: Human Environment, Urban Economic, Geographic Information Science (GIS), and Earth System Science (ESS).

Global Environmental Studies
Global Environmental Studies focuses on the relationships among people, and between people and other living beings, the earth, technologies, cultures, and economies. It is oriented toward practice and applied work. The type of practice might range from environmental law with a major NGO or environmental art in a science center, to organizing climate justice campaigns, engaged research on pollution or designing alternative technologies. GES encourages critically informed practical work with social, ecological and political intent.

Earth System Science (Track)
Earth System Science examines the physical and biological processes that shape environments across the planet, and explores how global environmental changes are altering natural resources and the sustainability of our planet. The ESS track is one of three tracks of the Environmental Science major, but administered through the Geography department.

Urban Development Social Change (Concentration)
Urban Development Social Change is an interdisciplinary concentration that can be paired with any major at Clark University. UDSC is designed for students who have urban interests, and helps them to understand the historical, social, economic, and political factors that have shaped U.S. cities and how cities have, in turn, affected the lives of their inhabitants. This concentration is currently administered through the Geography department.

Interested in one of our programs? Contact our Undergraduate Program Coordinator, Rachel Levitt, to see if one of these majors/concentrations is right for you!
We also offer Minors in Geography, Global Environmental Studies, and Earth System Science.

 Interested?

Visit us online, or email RLevitt@clarku.edu to set up an appointment to learn more. You can also stop by the Geography Main Office for brochures and more information; just visit us in Jefferson 220!
PHOTO CREDITS
[header images]

Page 2: Castelbuono, Sicily — Rachel Levitt
Page 4: Quabbin Reservoir — Rachel Levitt
Page 5: Westborough, MA — Rachel Levitt
Page 6: Phillipston, MA — Rachel Levitt
Page 7: Hubbardston, MA — Rachel Levitt
Page 8: Dunstable, MA — Yifan Cai
Page 9: San Francisco, CA — Rachel Levitt
Page 10: Clark University — Rachel Levitt
Page 11: HERO — Arthur Elmes
Page 12: HERO — Arthur Elmes
Page 13: Costa Rica — Yuka Fuchino
Page 14: Hyannis, MA — Rachel Levitt
Page 15: Eastham, MA — Rachel Levitt
Page 16: Luca (Barga), Italy — Sam Berman
Page 17: Queensland, Australia — Alex Cohen
Page 18: Costa Rica — Yuka Fuchino
Page 19: Costa Rica — Yuka Fuchino
Page 20: Amherst, MA — Rachel Levitt
Page 21: Hubbardston, MA — Rachel Levitt
Page 22: Clark University — Rachel Levitt