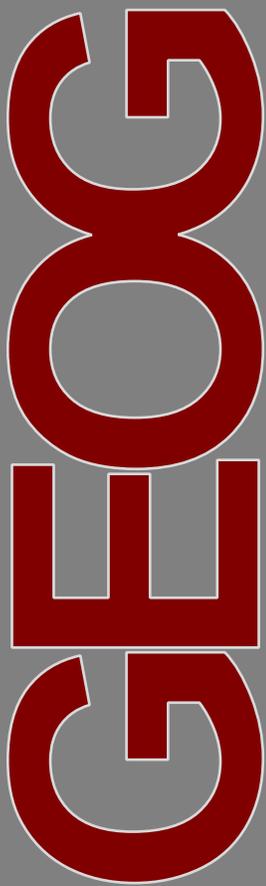


geography

THE GRADUATE SCHOOL OF GEOGRAPHY AT CLARK UNIVERSITY



where's your world? | fall 2014



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Comings & Goings: Meet our 4 Geography Office Assistants and our GIS Support Assistant for 2014-15!

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[Visit the Geography Website](#)

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All other photographs used in this publication were contributed by Clark Geography faculty, students, and staff unless otherwise specified.



welcome

Greetings from Director Bebbington

I am writing this at Fall Break, so it is way too late to say welcome to the new academic year – but welcome, at least, to our first newsletter of 2014-15. The different stories included here will give you some sense of what has been going on recently and you will see just how vibrant Geography@Clark is. I'd like to tell you just a bit more about this vibrancy with the help of a few numbers which I hope will help you feel really proud to be part of Geography. Perhaps the most impressive of these figures is that by the end of last academic year we had fully 135 majors in Geography, Global Environmental Studies and Earth System Science. This is nearly a doubling since 2010 when there were seventy-one. There is clearly a buzz about our three majors – students tell me this and I know that other faculty members and staff hear the same. We see the same in our graduate programs. This year our 5th Year MS in GIScience had its highest ever intake – 10 students. Likewise our two year MS in GIS, Development and Environment, shared with IDCE, had its largest ever class, an intake of 29, to make a total GISDE class of 49. Meanwhile we have 52 PhD students in residence, and they are finishing their PhDs more quickly than ever, while still securing great jobs in academia, government and the private sector. And as a final impressive tidbit, between 2010 and 2014 our faculty secured just shy of \$9 million in research grants that create many opportunities for our majors and our graduate students to participate in world-class research.

Churning out numbers like this runs the risk of being boring, and is arguably not the best way to excite a newsletter reader! But I share them because I think they tell us that something very special is going on in Clark Geography. There is an enthusiasm and excitement about our majors, and yet more recognition among graduates of just how much we are a center of international excellence. Of course, all this growth stretches us at the seams, and our faculty, staff and student leaders do an amazing job responding. Nor can our numbers continue growing at these sorts of rates – it would be a disservice to all involved to do so. But we should all – from the most recently declared major to our longest serving faculty member – take a moment, breathe in and be very proud of what we are building here. Thank you, and I hope you enjoy the Newsletter.

reminders

Condakes »

A call for applications for the **Peter J. Condakes Summer Research Fellowship** will be distributed to Geography, GES, and ESS undergraduates in mid-Spring, but please start thinking now! This Fellowship is made possible by a generous donation from alumnus and geography major **Peter J. Condakes** (class of '78) to support undergraduate environmental research.

See page 15 to catch up with one of our most recent winners and their summer research!

Atwood »

The 2014-2015 Atwood Lecture, featuring **Dr. Ruth Wilson Gilmore**, Professor of Earth & Environmental Sciences and American Studies at the Graduate Center of CUNY University of New York.

Details about the talk and other Atwood-related events will be forthcoming in the Spring 2015 semester. Questions about Atwood can be directed to our GSG Office Coordinator, Kayla Peterson (KaPeterson@clarku.edu)

Colloquium »

Upcoming Colloquium Speakers:

- November 6:** Becky Mansfield, Ohio State U.
 - November 13:** Morgan Grove, US Forest Service
- Spring 2015 Speakers TBA*

For more information about the Colloquium Speaker Series, contact Kayla Peterson (KaPeterson@clarku.edu) or check out our events page at clarku.edu/departments/geography/newsevents/index.cfm



yuko aoyama



Professor Yuko Aoyama spent 4 weeks in India this summer, conducting field research for the project on research and development alliances in India, funded by the National Science Foundation. This is the third and the last installment of field research, for which she traveled through Bangalore, Delhi, Mumbai and Hyderabad interviewing companies and NGOs. Her research team included geography doctoral students from Clark and collaborators based at the International Institute of Information Technologies at Bangalore. The team has conducted over 100 interviews of stakeholders in India's emerging social innovation eco-systems, and administered a questionnaire survey of over 150 multinational enterprises on research and development in India.



Her findings show that companies and NGOs in sectors ranging from education, energy to health actively collaborate for innovation especially when their target populations include the underprivileged. These collaborations are distinctive from what is conventionally understood as corporate social responsibility initiatives and charitable engagements with communities. This form of multi-stakeholder approach is a robust and sustainable solution, given the complexities of the problems faced by the poor in India. In addition to these collaborations, there is an emerging cadre of transnational social entrepreneurs active in India, who cross national boundaries to innovate on socially oriented products/services. These transnational and hybrid organizations demonstrate boundary-blurring changes are taking place in India's social innovation eco-systems, one that recombines social and economic missions in a new manner. Some aspects of social innovation conceived and implemented successfully in India are also being exported to countries in the Global South.

Professor Aoyama has been awarded a Bellagio Academic Writing Residency Fellowship by the Rockefeller Foundation for the summer of 2015. She plans to use the residency to write a book entitled Social Innovation in India.

dominik kulakowski



Photo credit: D. Kulakowski



Photo credit: D. Kulakowski

(Above) Professor Kulakowski and a team of scientists from Poland, Switzerland, and Argentina examine forest change in Slovakia.

(Left) Clark students Nate Gill, Moriah Day, Sarah Witcher, Amanda Brackett, and Mary Molloy conduct research with Professor Dominik Kulakowski on how climate change is affecting forest ecology in the Colorado Rocky Mountains.

Check out what our other faculty have been up to:

clarku.edu/departments/geography/newsevents/newsfaculty.cfm

doctoral student news

Welcome, 2014 Cohort!

Bernadette Arakwiye | Rwanda

M.S. Environmental Science, Antioch University
B.S. Biology National University of Huye, Rwanda

Yifan Cai | China

B.Sc. And M.Sc. Geography, Peking University

Carlos Dobler | Mexico

B.Sc. Biology and M.Sc. Geography, National
Autonomous University of Mexico

Wenjing Jiang | China

BEng Urban Planning, Peking University
M.A. Urban Planning, University of Illinois

Tong Jiao | China

B.S. Geography, Beijing Forest University
M.S. Geography, Chinese Academy of Beijing

Patrick Bright Mutegeki | Uganda

B.A. Tourism, Makerere University, Uganda
M.Phil. Development Studies,
Norwegian University of Science and Technology

Scott Odell | US

B.S.F.S. (cum laude) Science, Technology and
International Affairs (STIA), Georgetown University

Melishia Santiago | US

B.S. Biology and M.S. Geography,
University of Massachusetts Amherst

Laura Sauls | US

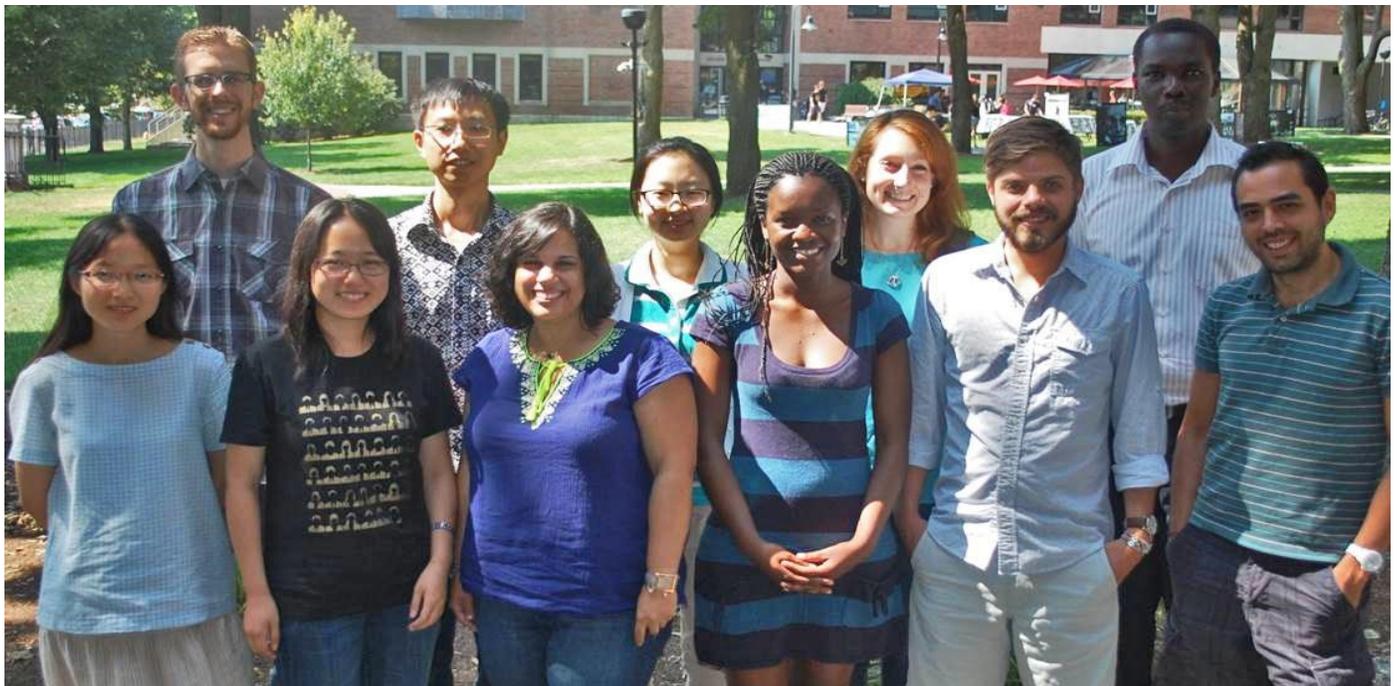
M. Phil. Development Studies, University of Oxford, UK
B.A. International Relations/Environment Science,
The College of William and Mary

Kaner Turker | Turkey

B.A. and M.A. Dept. of Economics,
Bogazici University, Turkey

Zhiwen Zhu | China

B.Eng. Remote Sensing Information Engineering,
Wuhan University
M.Sc. Cartography/GIS, Graduate University of Beijing



Front Row L – R: Yifan Cai, Wenjing Jiang, Melishia Santiago, Bernadette Arakwiye, Carlos Dobler, Kaner Turker
Back Row L – R: Scott Odell, Zhiwen Zhu, Tong Jiao, Laura Sauls, Patrick Bright Mutegeki

graduate student news

introducing our MS-GIS 5th years



(L-R) Back Row: Elliot Altbaum, Tasos Dardas, Lucas Earl, Jamie Duncan-Brown
Front Row: Sam Berman, Cody Litchfield, Sean Cunningham, Michelle Andrews, Zoe Ritter

Not Pictured: Kayla Patel

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 M.S. GIS program and continue their studies, if accepted, for an additional year after receiving their Bachelors degree.

See the below website for full details on program eligibility and requirements.

As of July 1, 2014 the MA degree in GIS is now an MS in GIS

clarku.edu/departments/geography/maprograms/index.cfm

undergraduate news

fall kick-off

On Wednesday, October 8th we hosted our first ever Geography Fall Kick-Off event, right outside Jefferson on the campus Green! We had fall-themed snacks, live music, and games enjoyed by faculty, staff, and students. Check out pages **16 & 17** for details and photos!

majors fair

On Wednesday, October 1st we represented the School of Geography at the University's Majors Fair in Tilton. Special thanks to the following students who helped represent the programs in our department:



(Left) Will Heikes, Hannah Rosenblum, and Kim Johnson (Geography)



Sam Berman (MS-GIS) and Ethan Forauer (Earth System Science), Eli Goldman and Julia Groenfeldt (GES) (Right)



(Left) Daryle Ward-Cherry and Liam Kelly-Fleming (Urban Development Social Change)

2 0 1 4

summer research

Over the summer, we had a number of students perform various research projects, some continuing throughout this academic year.

The following students were supported:

Alex Hayes, Condakes Fund

Rebecca Chapman, Condakes Fund

Amy Phillips, HERO Fund

Hannah Rush, HERO Fund

Ben Ewald, HERO Fund

Marina Khananayev, HERO Fund

Gaia Khairina, HERO Fund

Liam Kelly Fleming, Lois & Robert Green Fund (UDSC)

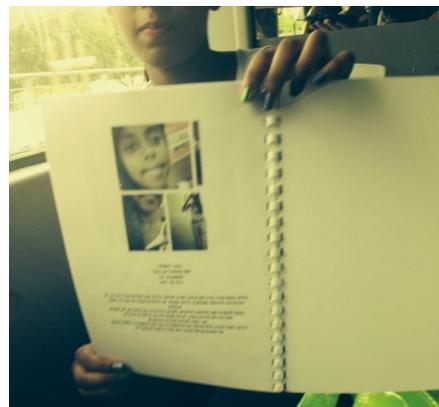
Tara Barnes, Lois & Robert Green Fund (UDSC)

Maya Katz-Ali, ISS Summer Research

Marissa Goldstein, ISS Summer Research

Check out page **15** for spotlights on a few of these students and their summer work!

(below) Maya Katz-Ali showing off one result of her summer research done with the Ethiopian National Project in a branch near Haifa, Northern Israel. See page **15** for more on her story.



this is
how we
LEEP

careers in geography

ALUMNEWS

- **Tony Bebbington, GSG Director, Ph.D. '90**, as well as **Marco Millones, Ph.D. '11**, Director of the Center for Geospatial Analysis at William and Mary, were invited to Peru to present the results of their research funded by [Oxfam](#).
- **Tony Bebbington, GSG Director, Ph.D. '90**, was inducted into the **American Academy of Arts and Sciences**
- **Jeffrey Mitchell, Ph.D. '96**, has been named the new director of the [University of New Mexico Bureau of Business and Economic Research](#)
- **Tom Koch, Ph.D. '71**, was recently asked about the Ebola outbreak epidemic in Liberia. Tom's book, *Disease Maps*, has made him an expert in world disease epidemics. [See more here.](#)
- **Alice Hovorka, Ph.D. '03**, was the 2014 Jan Monk Distinguished Professor Lecturer. This speaker series honors Jan Monk's contributions to feminist geography. Each year, a distinguished professor is invited to the University of Arizona (March 2014 in Tucson) to discuss the ever-evolving frontiers of feminist geography. Past speakers have included Melissa Wright, Richa Nagar, **Cindi Katz (Ph.D. '86)**, Banu Gökarıksel, **Susan Hanson (Distinguished University Professor Emerita and past Director GSG)**, **Katherine Gibson (Ph.D. '81)** and **Julie Graham (Ph.D. '84)**. In addition, speakers present the Gender Place and Culture Jan Monk Distinguished Lecture at the meeting of the Association of American Geographers (April 2014 in Tampa, FL). The lecture is then published *Gender Place and Culture* (early 2015).
- **Eric Belsky, Ph.D. 1987, BA 1981** was appointed Director of the [Division and Consumer Community Affairs of the US Federal Reserve](#).

careers of recent graduates

The following alum have received and accepted job opportunities at the following institutions:

William Kutz, Ph.D. | Second 2-yr appointment, Visiting Lecturer | Human Geography,
School of Environment and Development, University of Manchester, UK

Elisabeth (Lisa) Stoddard, Ph.D. | Asst. Professor, Social Science and Policy Studies at WPI

Melanie Vanderhoof, ORISE Post-Doc Fellow at the US EPA Office of Research and Development

Dylan Broderick, MA-GIS | The Johnson Company

Andrew Shatz, MA-GIS | AIR_Worldwide

Joseph Danko, MA-GIS | City of Worcester

Christina Geller, MA-GIS | AIR Worldwide

This list includes just a few of our students who have officially received their degrees in the most recent years. There are many more that we may not have complete up-to-date information on, so keep checking back for more updates!

Keep tabs on our website for more alum news: clarku.edu/departments/geography/newsevents/alumninews.cfm



careers in geography

why geography?

Geographers apply their unique knowledge, skills, and perspectives in a diverse range of industries. They hold positions as urban planners who assess the costs and benefits of proposed transit systems, as state climatologists assessing the impacts of rising sea level, as consultants advising firms about moving into new markets, and as human rights advocates working with refugees. These are just a handful of the many types of careers available to geographers. Geography prepares individuals for work in the social, physical, and environment sciences, as well as the arts and humanities.

what employers look for

Although writing and oral communication are valued in all types of workplaces, as are research finance and budgeting expertise, geographers possess a multitude of additional skills that are valued by employers across a wide range of careers. Some of these unique skills and perspectives are:

- ◇ Spatial Thinking
- ◇ An interdisciplinary perspective
- ◇ Abilities in GIScience, cartography, and visualization
- ◇ Experience in field methods
- ◇ A sense of complex interactions between humans and the environment
- ◇ Sensitivity to the distinctiveness of places
- ◇ A global perspective

where are the jobs?

Business: The private sector contains many dynamic and exciting employment opportunities for geographers. More and more private sector employers are recognizing the value of geographic analysis in their everyday operations.

Government: Geographers play an important role in state and local government, as well as federal government, as they are able to understand specific geographic areas by virtue of their extensive education in exploring interactions and linkages within and between places and regions.

Nonprofit: For geographers who seek positions that focus on social, environmental, or development causes, employment in the nonprofit sector may be an excellent fit. Nonprofit organizations pursue a diverse number of causes and visions and offer exciting opportunities for job seekers hoping to make a difference or have a positive impact in a particular field.

Education: Studying geography is excellent preparation for a wide range of teaching positions at all levels of education. Employment opportunities for teachers who are trained as geographers are found almost everywhere.

All of this information was taken from the AAG (Association of American Geographers) brochure titled “Jobs and Careers in Geography”, copyright 2014. Be sure to visit their website for even more great information:

aag.org/careers



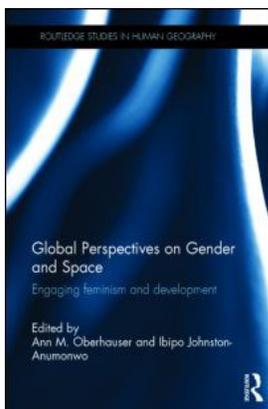
careers in geography

ALUMNEWS

ann oberhauser & ibipo johnston-anumonwo

Ann Oberhauser, Ph.D. '88, has recently written and published a book with one of her former classmates, Ibipo Johnston-Anumonwo, Ph.D. '87. A big thank you to Ann and Ibipo for providing us with this feature!

Be sure to check out this [Q & A with the Editors of the book](#)



Global Perspectives on Gender and Space: Engaging Feminism and Development (2014)

By Ann M. Oberhauser (West Virginia University) and Ibipo Johnston-Anumonwo (State University of New York – Cortland). [Routledge Publishers](#)

Global Perspectives on Gender and Space: Engaging Feminism and Development (2014), co-edited by Ann M. Oberhauser and Ibipo Johnston-Anumonwo, integrates development and globalization using feminist research from South Asia, sub-Saharan Africa, North America, and the Caribbean. This book contributes to feminism and development studies by exploring spatial aspects of development that are infused with gendered power relations. The research projects in this collection add to national and regional approaches to development theory and practice through explorations of individual and everyday aspects of gender and development. The book is organized into three sections that guide readers from a scrutiny of neoliberal globalization through participatory methodologies to a gendered analysis of environmental adaptation.

In light of contemporary realities of global restructuring, the first section of the book evaluates policies on sanitation and financial services, as well as on transnational diasporic communities and sex trafficking. These chapters add to our understanding of global development by focusing on various gendered impacts of particular neoliberal economic and political processes. The second section of the book emphasizes participatory feminist research methodologies. Here, authors demonstrate how participatory techniques draw from the knowledge and actions that promote gender equity through their involvement with grass-roots organizations and development projects. The third section addresses the rapidly growing fields of feminist political ecology and gender, environment, and development. Feminist geography demonstrates that a gendered analysis is relevant in examining how to adapt to and mitigate environmental and disaster impacts and to broaden access to social and economic resources.

This book has been a truly collaborative project involving colleagues from Clark University and in the discipline of geography. Ann Oberhauser and Ibipo Johnston-Anumonwo started graduate school together at Clark University and have been close colleagues and friends ever since. As their research fields evolved, they decided to coedit a book on gender and development that would contribute to this dynamic field. The book will be useful for teaching courses, conducting feminist research, and promoting policy measures that focus on gender in developing regions. The authors of this collection hold positions in universities, non-governmental organizations, and policy institutes in Africa, Asia, Latin America, and North America. Their scholarship and activism display a strong commitment to feminist ideals that support women's equal access to resources, employment, and quality of life.

updates & events

dates to remember

- November 3: Day College GRADUATE Student Course Registration Begins
- November 4: Day College SENIOR Course Registration Begins
- November 6: Day College JUNIOR Course Registration Begins
- November 10: Day College SOPHOMORE Course Registration Begins
- November 12: Day College FIRST YEAR Course Registration Begins
- November 17-21: GIS Week (see page 12)
- November 26-28: **Thanksgiving Break**
- December 8: Last Day of Classes
- December 12: Spring Course Registration Ends
- December 9, 10, 13, 14: Reading Days
- December 11, 12, 15, 16: FINAL EXAMS
- December 15-19: AGU 2014 Fall Conference



CUGA CORNER

clark • undergraduate • geography • association

Introducing our 2014-15 CUGA E-Board Members:

Kim Johnson: Co-President

Hannah Rosenblum: Co-President

Amy Phillips: Treasurer

Will Heikes: Historian

CUGA 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. Representatives are able to vote and express their ideas and opinions on various topics that concern undergraduate majors. They also host events, bring in guest speakers of exciting and distinctive careers, and collaborate with faculty and with a variety of clubs and organizations within the Clark community.

contact » clarkcuga@gmail.com



(L-R) Will Heikes, Hannah Rosenblum, Kim Johnson. Not Pictured: Amy Phillips (pictured on page 13)



updates & events

GISDE

geographic information science for
development and environment

Join GISDE for GIS Week
November 16 - 22, 2014

Sunday, November 16

Chili/Chowder Cook-Off Kickoff Event

Monday, November 17

Movie Night: Screen 2 episodes of "Cosmos"

Tuesday, November 18

Guest Speaker Professor Sarah Williams from
MIT's Civic Data Design Lab

Wednesday, November 19

QGIS Workshop, Humanitarian Open Street Map Workshop

Thursday, November 20

Geography Trivia

Friday, November 21

Poster Session/Wine and Cheese Event

Saturday, November 22

Geocaching Event (not yet confirmed)

Tentative schedule, dates and events subject to change

Please contact Matt Gibb (MGibb@clarku.edu)
if you have any questions regarding GIS Week!



GISDE's program is designed for people with an interest in the use of applications of geospatial technologies (GIS, remote sensing) to environmental and social change issues. If you are interested in learning not only the tools of spatial analysis, but also learning how to apply these tools to real life problems in the course of seeking solutions, we encourage you to consider our program. The course of study is designed to accommodate both GIS novices and people with previous GIS experience.

To learn more, visit the GISDE website:

[clarku.edu/departments/geography/
maprograms/gisde.cfm](http://clarku.edu/departments/geography/maprograms/gisde.cfm)



We are proud to welcome this year's GISDE class of 29 new students, bringing us to a total of **49 current GISDE students**, our largest class ever.

GISDE is a two year MS program shared with IDCE.

summer research

faculty research deb martin & john rogan

Over the summer, **Professor John Rogan and Professor Deb Martin** co-directed the **HERO program** (Human Environment Research Observatory), funded by the NSF-REU grant, "Mapping Beetles, Trees, Neighborhoods, and Policies: A Multi-Scaled, Urban Ecological Assessment of the Asian Longhorned Beetle (ALB) Invasion in New England". As featured in our Spring 2014 issue, we had 11 HERO Fellows examining tree replanting



mortality and condition, and conducting a survey of Worcester area residents about the impacts of the ALB eradication, and their awareness of regional environmental issues. These students worked side-by-side with faculty and our 5 fabulous Graduate Student managers, including PhD student Arthur Elmes, Michelle Andrews ('14, MS-GIS '15), and Matt Manley ('13, MS-GIS '14) for BIA, and Joey Hersh ('15), and Shannon Palmer ('13, MA-CDP '14) for PMA.



(Left Photo) Tree being cut due to ALB infestation
(Right Photo) Anona Miller

The Beetle Impact Assessment group (BIA), directed primarily by John Rogan, spent two weeks in the field assessing the condition of trees replanted by the DCR in the 2010 to 2012 spring and fall seasons. When this outdoor work was completed, they assessed tree mortality by species and location, and calculated the ecosystem services gained through the replanting.

The Place-Making Assessment group (PMA), directed primarily by Deb Martin and Verna DeLauer of the Marsh Institute, developed an online survey to probe knowledge and experiences of ALB and tree replanting. Postcards were sent by mail to a small random sample of residents, and they used other strategies to notify various residents of the survey. The results of the survey pointed to interesting connections between ALB and greater environmental awareness on the part of respondents. Clark students in PMA are continuing to examine these patterns.

Conclusions:

PMA found that residents' experience with change in community character increases their receptiveness to information regarding environmental issues

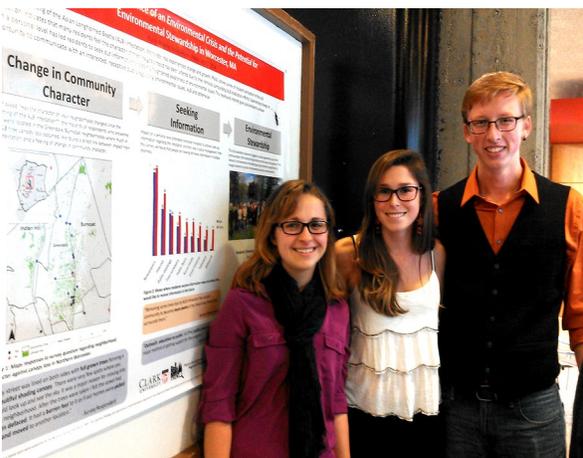
BIA found that maintaining a continuous replanting program is necessary to offset the high mortality rate of young trees and ensure that residents will benefit from Worcester's urban forest in the future.

(Info taken from Stakeholders Summit presentation)

2014 HERO Fellows

Beetle Impact Assessment Group: Gaia Khairina (Clark), Anona Miller (Appalachian State University), Hannah Rush (Clark), Amber Todoroff (University of Florida), Andrew Varuzzo (College of the Holy Cross)

Place Making Assessment: Elizabeth Anderson (Rensselaer Polytechnic Institute), Albert Bautista (Humboldt State University), Benjamin Ewald (Clark), Alison Jackman (Whittier College), Marina Khananayev (Clark) Amy Phillips (Clark)



(L-R) Amy Phillips, Hannah Rush, and Ben Ewald presenting research findings at the latest Fall Fest (October 24, 2014) in the Academic Commons

summer research

doctoral student research

kellykay



"This summer, I was excited to begin conducting research for my doctoral dissertation. I am studying changes to ownership patterns and approaches to financing land conservation in the United States since 1980, focusing in particular on the growing presence of non-profit land trust groups. I spent a few months in California, conducting interviews with individuals who are considered to be "key players" in conservation. This experience was very rewarding, as it allowed me to gain a wealth of knowledge and perspectives that I could have never accessed from reading books and journal articles. In addition to interviews, I also conducted a large mail

survey over the summer. This process was a huge learning experience. After test running the survey on some of my fellow PhD students, and making necessary edits, I printed out 250 copies each of the survey, consent forms explaining the project, and a greeting letter. Once everything was printed, I realized that I'd forgotten to insert my electronic signature into the greeting letter, and proceeded to spend a very long time hand-signing each letter! Once everything was ready to be sent out, I enlisted the help of my husband and in-laws and we spent a whole afternoon addressing envelopes and stuffing them with surveys and other forms. Then, I mailed the survey packets out to a random sampling of land trust groups from all around the country, crossed my fingers, and hoped for somebody to respond. When I returned to Worcester in the fall, I was pleased to see that I'd had 65 groups send in a response, each of which was filled with lots of useful information. I'm very happy to have so much data to use for my dissertation; it *almost* makes up for all those envelopes that I had to lick!"

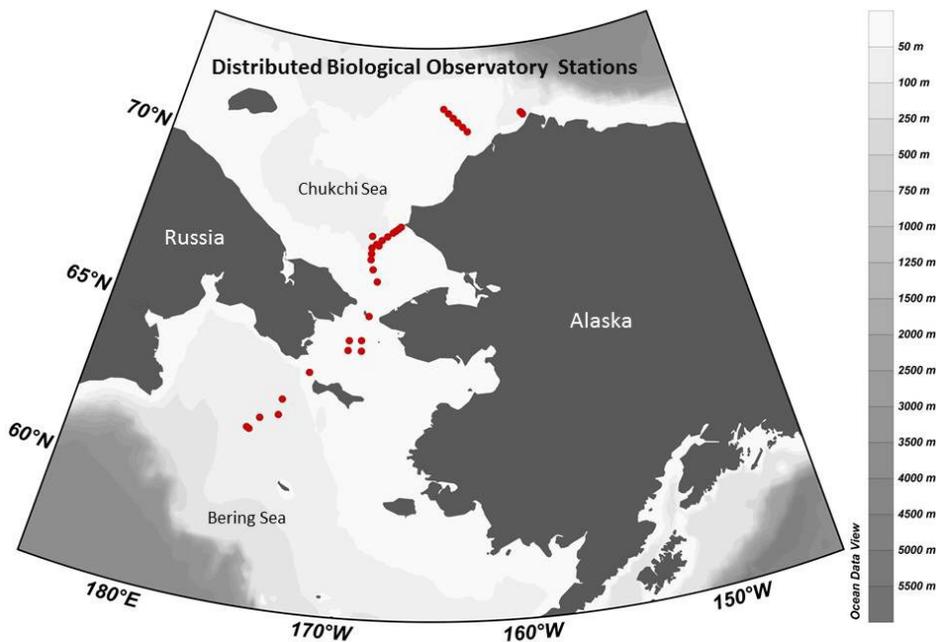
Check out what our other doctoral students have been up to:
clarku.edu/departments/geography/graduate/student-news/



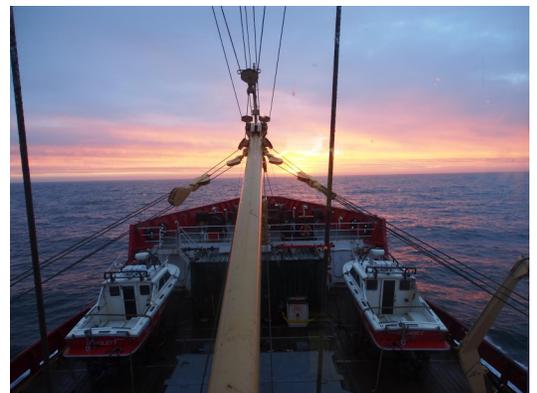
summer research

graduate student research

samberman



Sam Berman (MS-GIS '15) spent part of the summer working with Kristen Shake (Doctoral Student) on the CCGS Sir Wilfred Laurier Canadian Ice-breaker sampling Distributed Biological Observatory Stations near Alaska. "The above map shows stations we sampled during the cruise (signified by the red dots). We started in Dutch Harbor, Alaska and ended in Barrow, Alaska"



Photos taken from the boat in the Bering and Southern Chukchi Seas.
Photo Credit: Sam Berman

additional MS-GIS grad summer research

Elliot Altbaum | Policy Research Staff, Minnesota 2020. [Check out his work here.](#)

Michelle Andrews | HERO Manager, Clark University, Beetle-Impact Assessment Research

Sean Cunningham | Intern, Clark Labs, Marine Ecosystem Coastal Mapping for Southeast Asia

Tasos Dardas | MassDEP

Lucas Earl | Resource Extraction and Mining in Ghana Research

Jamie Duncan Brown | Intern, Town of Hopkinton, GIS

Zoe Ritter | Intern, City of Worcester GIS Section



summer research

undergraduate research

condakes award

Alexander Hayes | [Geography] Class of 2016

"This summer I began a three year research project on public art spaces in Worcester. The research proposes to look at Worcester's new public spaces, and related to policies, as a way to understand how 'public space' and 'public art' are being thought of in the city. The overall question I hope to answer is 'How can public graffiti art help shape cultures of the city today?' During these past summer months I started the first part of my research. I used a GPS point plotter to mark out spaces the city deemed public and any space I found that had graffiti art but was not sanctioned as a public art area. As a results, I produced a map in ArcGIS showing the amount of public art spaces and non-public art spaces found in the downtown area of Worcester. This is the base for my research to continue, which I am looking forward to. I'd like to thank the Condakes for supporting my research." This award was also received by Rebecca Chapman (Geography, '15).

international studies stream scholarship

Maya Katz-Ali | [ISS] Class of 2017

"This summer I was allowed the privilege to intern with a wonderful organization called Ethiopian National Project (ENP). The ENP is an Israeli-based NGO that works to help integrate Ethiopian refugees into Israeli society. With the help of the ISS scholarship I was able to collaborate with ENP, where my work mainly consisted of working with kids on their personal histories and stories of immigration from Ethiopia to Israel. I was particularly interested in learning and documenting the stories of young people as they strive to overcome the obstacles they find in becoming a part of Israeli culture. I recorded many interviews and put them together into a book. . In my internship experience, I have learned so much about being effective and straightforward in my working atmosphere, about building relationships and trust with different communities despite language barriers, and about the importance of appealing to my audience and getting on the level of my interviewee, to really establish a connection." This award was also received by Marissa Goldstein (International Development Social Change, '17).

lois & robert green scholarship

Liam Kelly-Fleming | [Urban Development Social Change] Class of 2015

"Over the summer the Lois and Robert Green Internship award allowed me to do an internship with the Oak Hill Community Development Corporation. Oak Hill CDC serves Union Hill, a neighborhood in Worcester that is currently struggling with housing insecurity, lack of access to fresh, affordable food and medical care. Oak Hill CDC mainly focuses on providing and maintaining affordable rental properties in the neighborhood and on increasing the number of homeowners in the neighborhood. My role was to work on researching funding sources for the further development of affordable housing stock in the neighborhood. Aside from primarily doing research I also got to attend meetings with other community stakeholders and community members and to understand how projects can get done in Worcester. Much of the CDCs work was to bring more investment and combined funding into the neighborhood to make improvements to services and economic development outcomes. This summer internship was my second in the housing and community development field and it exposed me to entirely new service area in Worcester." This award was also received by Tara Barnes (UDSC, '15)



geography fall kick-off

On Wednesday, October 8th we hosted our first ever geography fall kick-off event outside on the Green! Students, faculty, and staff showed up to this social event and were able to enjoy the beautiful day with some snacks, games and live music by Ian Hayes and Dan Barrenechea (I'N'D). The band played a wide range of hits from the Beatles to Coldplay and even had a surprise guest performance by Alex Hayes (Geography, '16) who joined the band on a couple of songs. Overall the event seemed to be a success, and ended up being a nice opportunity for undergraduate and graduate students to come together, learn a bit about Geography, and just hang out on the Green. Thanks to all who attended!

geography fall kick-off

Come join the Geography Department as we celebrate the Fall semester and the beginning of the new academic year! Join us to learn a little bit about the Geography program while we kick back on the Green with games, food, live music and good company.

Wednesday October 8th
2:00 - 5:00pm on the Green

Rain Date: Friday October 10th, Green

Meet current students in Geography, Global Environmental Studies (GES), and Earth System Science (ESS)! Get to know the members of CUGA (Clark Undergraduate Geography Association) and pick up some free Geography gear!

Apple Bobbing
Pumpkin Rolling
Fall-Themed Treats
and more!

Live Music by I'N'D
[Ian Hayes & Dan Barrenechea]
3:30-5:00 pm

This event is free and open to students interested in Geography, GES, or ESS
Sponsored by the School of Geography and The Clark Undergraduate Geography Association [CUGA]



Dan Barrenechea, Alex and Ian Hayes



Elisa Arond partaking in pumpkin rolling



Apple Bobbing!

Check out the band's Facebook page:
[facebook.com/iandanmusic](https://www.facebook.com/iandanmusic)

geography fall kick-off

photo album



Dan Barrenechea,
Rachel Levitt and Ian Hayes



Professor Jim Murphy and
Professor Mark Davidson



Doctoral students Elisa Arond
and Renee Tapp



Ariel Maiorano, Alexis Charney, Alex Hayes
and Stephanie Gough



Spring Pillsbury, Ali Filipovic,
Hannah Rosenblum, Will Heikes,
and Ted Randich



Dan Barranechea, Brenda Nikas-
Hayes and Ian Hayes

Check out our Facebook page
for even more photos:

[facebook.com/
ClarkUniversityGeography](https://www.facebook.com/ClarkUniversityGeography)



Faculty and students watching
pumpkin rolling



Kayla Peterson, Daryle Ward-
Cherry, Michelle Andrews,
and Matt Gibb



comings & goings



kayla peterson Office Coordinator

Kayla Peterson is a recent honors graduate of Arcadia University where she received her Bachelor's Degree in History, with minors in Art History and Communications. At Arcadia University, Kayla was a member of the Art Department and Art Gallery staff where she gained experience in a university office and gallery setting. She is proud to have been a part of a team that worked hard to bring the talent of renowned artists to her small, liberal arts campus. During her college career, Kayla was fortunate enough to study semesters abroad in both Stirling, Scotland and Perugia, Italy. She returned home from Scotland with lifelong friends, and spent her time in Italy visiting art museums and ancient sites. Born and raised in Shrewsbury, Massachusetts, Kayla traveled to Glenside, Pennsylvania to conduct her undergraduate studies, and has now returned to Shrewsbury. Kayla joined us in August as our new Office Coordinator in the GSG. Welcome, Kayla!

florencia sangermano Visiting Assistant Professor

Florencia Sangermano is a Geographer who specializes in applications of Geographic Information Science and Remote Sensing to environmental conservation. Her research focuses on the impact of environmental changes on ecosystems and biodiversity, and involves mapping and modeling land use and land cover changes, evaluation of environmental changes through the analysis of time series, species distribution modeling, biodiversity assessments and offsets, and human-biodiversity interactions related to environmental and human health. Before joining the graduate School of Geography, Florencia was a Research Scientist at Clark Labs. Florencia holds a Ph.D. and M.A. in Geography from Clark University, and a B.Sc. / M.Sc. in Biology from Universidad Nacional de Mar del Plata, Argentina.



rachel levitt Undergraduate Program Coordinator

Rachel Levitt began working in the GSG last October as the Office Coordinator after graduating from UMass Amherst in May 2013, and was recently promoted to Undergraduate Program Coordinator this past June. Rachel loves her new role working with the undergraduate students, and currently serves as staff liaison for Geography, Global Environmental Studies, Earth System Science, Urban Development Social Change, and the International Studies Stream. Feel free to contact her with any questions you may have regarding these undergraduate programs!



comings & goings

work-study students

Daryle Ward-Cherry | Geography Office Assistant

Daryle Marie is a senior majoring in Global Environmental Studies with a concentration in Urban Development and Social Change. She is currently president of Clark University's Black Student Union.

After graduation, she hopes to return home to Chicago, IL and pursue her interests in environmental justice and sustainable urban planning.



Kerry Burke | Geography Office Assistant

Kerry Burke is a senior majoring in Global Environmental Studies. Sustainability on campus has been a passion of Kerry's during her time here at Clark. She has been working for Clark's recycling crew as well as helping to manage Eco-Reps and the recent addition of residence hall composting. After graduation she hopes to continue to work on issues surrounding sustainable waste management and to learn more about sustainable agriculture.



Ruby Pendergast | Geography Office Assistant

Ruby Pendergast is a junior and Sociology major from Boston. She has enjoyed working in the Geography office for the past two years and plans to study abroad in England in the upcoming spring semester.



Michino Hisabayashi | GIS Help Desk Assistant

Michino Hisabayashi is a senior majoring in Geography and minoring in Economics. She is currently president of Clark University's International Students Association. After graduation she hopes to complete the fifth year Master's program in GIS, and learn more about applications of GIS in the field of disaster management and resilience building.



Yuka Fuchino | Geography Office Assistant

Yuka Fuchino is a junior majoring in Geography currently studying abroad in Costa Rica.

Yuka worked with us last year beginning in the fall, and plans to resume her Office Assistant position when Ruby goes abroad in the spring.





Thank you to the following faculty, staff, and students for the photographs used in this issue of the Geography Newsletter! If you would like to submit photos or features for future issues of the newsletter, please contact Rachel Levitt at rlevitt@clarku.edu.

photos by:

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