# GEOGRAPHY

# THE GRADUATE SCHOOL OF GEOGRAPHY AT CLARK UNIVERSITY



WHERE'S YOUR WORLD? | SUMMER 2018



# GEOG CONTENTS

Graduate School of Geography Jefferson Academic Center 220 Clark University | 950 Main Street Worcester, MA 01610

Phone 508.793.7336 Fax 508.793.8881 geography@clarku.edu <u>Visit us Online</u>

#### **GSG CONTACTS:**

**Deborah Martin** Director

**Karen Frey** Associate Director

**Christine Creelman**Department Administrator

Rachel Levitt Program Administrator

**Kayla Peterson** Office Coordinator

Meredith King Associate Director, Content Marketing

Newsletter Editor: Rachel Levitt Cover Photo: Luisa Young (research trip stop in Dutch Harbor, Alaska)

\_\_\_\_\_

All photographs used in this publication were contributed by Clark Geography faculty, students, or staff unless otherwise noted

A digital version of this newsletter can be found at <u>clarku.edu/departments/geography/about/newsletters.cfm</u>

# PAGE 03

#### Director's Welcome

 A note from GSG Director, Deborah Martin

## PAGE 04

### **Faculty News**

- Faculty in the News
- AAG Awards & Honors
- Faculty Research & Updates

# PAGE 06

#### **Doctoral Student News**

- Research Funding Awards
- Travel Updates
- Diversity & Inclusion Program

# **PAGE 07**

#### **Graduate Student News**

- Wildlife Conservation Seminar
- Multidisciplinary Conference
- New MS-GIS ADP Program Tracks
- MS-GIS ADP Student Internships
- Incoming MS-GIS ADP Cohort

## PAGE 09

#### **Undergraduate News**

- NOAA Research Fellows
- Research Funding Awards
- Honors Thesis Titles
- Honors Society Members
- Practicing Geography Week

# PAGE 11

#### Alumni News

- News, Updates & Careers
- Alumna visits GSG after 65 years

## PAGE 12

### AAG Annual Meeting

- AAG 2018 in New Orleans
- Photos & Presentations

# <u>Page 14</u>

#### 2018 Commencement

- Class of 2018 Graduates
- GSG & ES Champagne & Strawberries Commencement Reception

# PAGE 16

### **Departmental Updates**

- Upcoming events
- Sri Emani hosts memorial celebration for Marcia V. Szugda-Emani
- In Memory: Duane Knos, Robert (Bob) Kates
- Staffing Changes
- Note from the Editor

FIND US ON FACEBOOK

FACEBOOK.COM/
CLARKUNIVERSITYGEOGRAPHY



### Dear Geography Friends,

I hope you are having a wonderful summer, and that you have a warm, relaxing spot to indulge in reading the GSG summer 2018 newsletter. I have been enjoying the summer quiet here in Worcester and in the GSG. I always like this time of year, with fantasies of completing all sorts of research and writing projects. Summer fosters that sort of enthusiasm, and then draws us out of doors to relax and absorb some sunshine. Perusing the pages of this latest newsletter, I am struck as always to see how busy, creative, and productive everyone has been. Even though I've been around all year, there are stories, notes, and photos that inform me of activities I didn't know about, or only knew a little. My favourite part of the newsletter is uncovering connections between people in the GSG, or networks we're building outside of it, that so enhance our community.

One such network is among our PhD alums, and the deep connections they hold to the GSG across time and space. Earlier this summer a PhD alum from 1953, Dr. Azra Khan, was visiting with her son, just looking around the department. They had the great fortune to run into Dr. Rinku Roy Chowdhury, who is of course also a PhD alum ('03) of our department. Rinku welcomed Dr. Khan and her son, and even hosted them at her home for lunch the next day. I met Dr. Khan during her visit and enjoyed hearing about her career, her supportive parents who let her travel out of the country (Pakistan) as a young unmarried woman in the 1950s, and how much the GSG influenced and cared for her while she was here as a graduate student.

Dr. Khan's visit was her first back to Worcester since graduating in 1953. We have many people who come and go, but

# WELGOM

NOTE FROM GSG DIRECTOR DEBORAH MARTIN

somehow, our connections retain even if we may not see each other for years. We've had many happy hellos and bittersweet goodbyes this year. We are once again congratulating and saying goodbye to students, while we welcome new faculty and new roles in our department. I've now completed my first full year as Director, and as of this summer Prof. Karen Frey steps in as Associate Director, as Prof. Gil Pontius has completed his term and is off to enjoy a full year sabbatical. Thank you Gil, and enjoy! We have very much enjoyed the first year of new faculty (2017-18) Dr. Asha Best and Dr. Lyndon Estes, and look forward to having our new(est) tenure -track faculty member, Dr. Youjin Chung, join us for Fall 2018! We were also happy to have Visiting Assistant Professor Luis Alvarez Léon here in Spring 2018, teaching Critical GIS and Internet Geography. He has (already) moved on to Dartmouth College where he was hired into a tenure-track faculty position. Jessa Loomis, who is a Clark alum (BA Geography, 2006), will replace him in the Visiting Economic Geographer position for the next year. Many of us were pleased to see Dr. Susan Hanson return to Clark to receive an honourary degree at Graduation! I was lucky enough as Director to read the commendation for the degree, and once again was awed by all of Susan's accomplishments -and she is still actively involved in research! Finally, it is bittersweet indeed to report that Brenda Nikas-Hayes, (former) Graduate Program Administrator, left us for exciting new professional adventures in early November, 2017, and Kayla Peterson, Office Coordinator, will be leaving us in August to start her own graduate studies in Art History at the University of Massachusetts Amherst! We wish them both well and thank them for their many valuable contributions to the GSG over the years. Rachel Levitt is now Program Administrator for all our degree programs, from BA through to PhD. I know she will do an excellent job!

All of the many people who make up Clark GSG over time and across distance contribute every day to our community. We may not all be in touch. We may not all know each other. But I am grateful for how everyone takes on our collective commitment to doing excellent work, and, I think, also, to being kind as we do so. Thanks for all you do, and enjoy our news.

Deb Martin, GSG Director

#### • • EMAIL LIST • • SUBMIT • •

website for updates on:

- Fall 2018 Colloquium Talks
- **Atwood Lecture**
- Student Events
- ...and more!

throughout the year -- be sure to check our about events and other happenings within the Graduate School of Geography, contact us at geography@clarku.edu. Emails and announcements are frequently sent out about upcoming events, career and internship opportunities, important information. Sign up today!

The GSG holds many exciting events if you would like to receive email updates 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**, so if you have info to share, feel free to email geog-media-editor@clarku.edu to see if it can be featured in an upcoming issue.



#### Photo: (L-R) Barbara Thomas-Slayter, Yuko Aoyama, Susan Hanson, and Deborah Martin pose after Commencement 2018

# **FACULTY NEWS**

#### Geography Honorees

On September 27th 2017, GSG faculty Mark Davidson and John Rogan were honored during a Faculty Awards Re- TIAL ACHIEVEMENT AWARD ception at the Harrington House (home Congratulations to Billie Turner II, forof President Angel). Mark Davidson re- mer GSG Director/faculty member who ceived the Oliver and Dorothy Hayden was selected as one of two awardees of *lunior Faculty Fellowship Award*, and the 2018 AAG Presidential Achievement John Rogan received the Steinbrecher Award. This award recognizes Billie's Family Senior Faculty Award and was transformative research on developalso awarded tenure and promoted to ment of land use/cover change science, Professor during the Fall 2017 semester. Congratulations to both! Click here ical sciences with wider academic and to view.

## RICHARD PEET RECEIVES LIFE. ity science, and his early recognition of time Achievement Award

who received a Lifetime Achievement sive contributions representing geogra-Award from AAG in April 2018 as an phy on important national and internahonor "for his extraordinary career as a tional bodies and initiatives including scholar, teacher, mentor, editor, and the International Geosphere-Biosphere activist." Dick has served as a faculty Programme, the International Human member in the GSG for over 50 years, Dimensions Programme, and the U.S. and was honored at last year's AAG National Climate Assessment and Assomeeting in Boston with a plaque (Click ciate Editorship of the Proceedings of here to view this story from 2017). the National Academy of Sciences. Click Click here to view.

# RON EASTMAN SELECTED FOR 2018 AAG RSSG AWARD

Congratulations to Ron Eastman who was unanimously selected by the committee to receive the 2018 AAG Remote Sensing Specialty Group (RSSG) Outstanding Contributions Award in recognition of his extraordinary contributions to remote sensing. Click here to view.

# AAG Recognizes

his leadership in integrating geographpolicy concerns in the areas of global change, earth systems and sustainabilthe importance of these issues to geography, is also recognized by this award. Congratulations to Richard (Dick) Peet, Lastly, the award recognizes his exten-

### JODY EMEL RETIRES AFTER 33 years in the GSG



here to view.

The GSG congratulates and sends best wishes to **Jody Emel**, who has retired (as of May 2018) after 33 years of service and dedication to the Graduate School of Geography! Jody's legacy

BILLIE her many years of outstanding research and teaching, along with the sheer vol-TURNER WITH AAG PRESIDEN ume of loving and appreciative notes that were sent from colleagues, former students, and friends wishing her well in the next chapter of her life.

> One alum writes, "Although Jody is retiring from Clark, I look forward to her continued work and contributions to critical geography. Jody is the consummate intellectual - always open to new ideas, always reading, always thinking, always revising her ideas and thoughts about politics and the world. Just to be able to tag along on the ride of her intellectual journey has been (and will continue to be) such a joy." Congratulations, Jody!!

### JIM MURPHY RUNS IN NEW YORK City Marathon



A big congratulations to James (Jim) **Murphy** on completing a huge goal running and finishing in the 2017 New York City Marathon! After months of training, Jim traveled to NYC for the big day on November 5th and completed the 26.2 mile course in the rain and cold in the GSG is seen in for a very happy victory. Congrats Jim!!



# **FACULTY NEWS**

#### Karen FREY APPOINTED Associate Director of GSG

lowing Robert (Gil) Pontius who just fin- You will be missed! ished up a 3 year appointment in this position. Thank you, Gil, for your dedi- THANK cation and commitment in this role over the years, and welcome aboard, Karen!!



GSG **WELCOMES** FACULTY NEW MEMBER: YOUJIN • Chung

The GSG is thrilled to welcome Youjin Chung, . who will be coming on board as a new faculty

member starting in August 2018. Youjin comes to us from Cornell University as a recent graduate from the Development Sociology PhD program — her research encompasses the following areas: Political economy of develop- This academic year came with a few ment, Feminist political ecology, Food exciting changes in the GSG — faculty and agrarian studies, Critical social/ feminist theory, African studies, and honored. Among those are two faculty Qualitative and visual research methods. Youjin will be teaching GEOG 136: sociate Professor to Professor: John Gender and Environment in the Fall. Rogan and James (Jim) Murphy. Con-Welcome, Youjin!



Member: LUIS Alvarez León This past semester (Spring 2018), the GSG had the pleasure of

having a visiting professor on board: Luis Alvarez León! Luis came to the GSG from UCLA after completing his PhD in Geography in 2016 and working as a postdoctoral scholar at the University of Southern California, Los Angeles.

This past semester, Luis taught two courses — GEOG 257: Internet Geography, and GEOG 286: Critical GIS — and PLUM ISLAND SOUND Congratulations to Karen Frey who was has now joined Dartmouth College as recently appointed to the position of Assistant Professor of Geography (as of Associate Director of the GSG! Karen's July 2018). Thank you, Luis, for your appointment began in May 2018, fol- dedication during this past semester! the Plum Island Ecosystems Long Term

> YOU TO Part- Time Instructors

> This past year we had four wonderful part-time instructors — thank you to:

- Jeanne Thibeault (GEOG 104: Earth System Science)
- Padini Nirmal (GEOG 090: Native Americans, Land and Natural Resources, GEOG 101: Food Justice & Food Movements)
- Alex Sphar (GEOG 286: Economy, Place, and Politics in the 21st Centu-
- **Teresa Bornschlegl** (GEOG 179: Global/Local Environmental Justice).

#### GSG Promotions

were promoted, appointed, hired, and who were recently promoted from Asgratulations to both!

Thank you to Karen FREY **EMBARKS** Visiting Faculty arctic trip with doctoral Re-



Search Assistants In early July, Karen Frey, Melishia Santiago (fifthyear doctoral student), and Luisa Young (thirdyear doctoral student) took off for a couple of

weeks in the cold to research sea ice and effects of climate change. Be sure to follow their journey through the Polar Science Research Laboratory accounts on Facebook and Instagram.

# GIL PONTIUS RESEARCHES AT

Robert (Gil) Pontius pours liquid nitrogen at negative 200 degrees Celsius for cryrocoring of sediment in the marsh at Ecological Research site in Northern Massachusetts. Funded by the National 2017-18 Science Foundation. (pictured below)



# LYNDON ESTES AUTHORS PAPER ON DOWNSTREAM ANALYSES

ON Lyndon Estes was the lead author for a recently published paper, the abstract of which begins as follows: "Land cover maps increasingly underlie research into socioeconomic and environmental patterns and processes, including global change. It is known that map errors impact our understanding of these phenomena, but quantifying these impacts is difficult because many areas lack adequate reference data." Global Change Biology 10/27/2017 Click here to view

> For more faculty news and updates, check out our website here.



# DOCTORAL STUDENT NEWS

#### Dylan Harris researches ART $\alpha$ ANCIENT CLIMATE CHANGE CONNECTIONS

Dylan Harris (fourth-year doctoral student) was quoted in an article about the connections between ancient art and climate change. The article reads: "Dylan Harris, a doctoral candidate at Clark University, is using storytelling to explain the science of climate change to those who it affects the most. For the next two years, he'll be researching climate change in Alaska & West Virginia. Published on Salon.com 01/14/2018 Click here to view

#### Scott Odell at LASI

**Scott Odell** (fifth-year doctoral student) participated in the Latin American Summer School on Social Issues (LASI) in Villarrica, Chile, January 4th-9th. Scott joined graduate students throughout . Latin America and abroad to investigate the topic of "Difference: Discrimination, Racism, and Social Transformation" through academic workshops and presentations by local scholars and activists. Scott's participation was possible thanks to a Clark Graduate Student Council travel award and conference funding from the GSG. Photo (above) from CIIR.

#### Graduate Funding Awards

Wenjing Jiang (fifth-year doctoral student), received a grant from the Association for Asian Studies (AAS) • China and Inner Asia Council (CIAC) her project entitled "Contemporary Agrarian Transformation in China: Empowerment, Valuation and Distributive Justice in the Transfer of Farmland Use Rights (TFUR)"

- Laura Sauls (fifth-year doctoral student), was chosen as one of 100 doctoral students in the U.S. and Canada selected to receive a Schol- Pruser ar Award from the International Awards (Fall 2017 & Spring 2018): Chapter of the P.E.O. Sisterhood.
- Ben Fash (fourth-year doctoral student) received a CLAG student research travel award at the New Orleans AAG Annual Meeting for his project "Networked Community Economies as Alternatives to Extractivism in Honduras."
- Janae Davis (fifth-year doctoral stu-Research award her dissertation that examines the • racialized division of labor associated with Integrated Conservation and Development Projects (ICDPs) that promote ecotourism in the southern Kalahari Desert of South • Africa
- **Ben Fash** (fourth-year doctoral stu- CUGS dent) received a U.S. Fulbright Student Research award for his fieldwork in Honduras for AY 2018-19.
- **Dylan Harris** (fourth-year doctoral student) received a 2018 Switzer Fellowship (2018-19).

#### Edna Bailey Sussman Fund for Environ- • mental Research Awardees:

- **Brittany Wheeler:** "Climate-Induced Migration to the United States "
- and Climate Communication"
- -Atmosphere Feedbacks using Community Earth System Model (CESM)"
- Nick Geron: "An Urban Tree Planting Program for a Changing Climate"

Connor Stephens (GISDE): " Does Land Ownership Influence Post-Wildfire Forest Recovery?"

#### Dissertation Enhancement

- Melissa Bollman
- Jacob Chamberlain
- Jackie Guz
- Wenjing Jiang
- **Dan Santos**
- Laura Sauls
- Lei Song
- Mara van den Bold

#### dent) received a U.S. Fulbright Stu- Albert, Norma and Howard Geller '77 Endowed Research Award (2018):

- Roopa Krithivasan
- Mario Machado
- Helen Rosko
- Dan Santos
- Laura Sauls

#### COMPLETE DIVERSITY

#### and Inclusion Program

This past semester, four members of CUGS graduated from Clark's inaugural Diversity and Inclusion Certificate Pro-

Congratulations to:

- Janae Davis
- Alex Moulton
- Melishia Santiago
- **Ashley York**

Dylan Harris: "Telling the Story of "This program was designed to give Climate Change: Cultural Politics Clark professionals and graduate students an opportunity to "engage in au-Surendra Shrestha: "Modeling Land thentic, critical dialogue, and in-depth from examination of diversity, difference, Drought and Wildfire Disturbances power, privilege, and beyond to understand how we can — and why we should — work together to build a more inclusive community." ClarkNow 05/09/2018 Click here to view

For more news, visit our website



# GRADUATE STUDENT N

### Wildlife Conservation Class TRAVELS TO BRONX ZOO

This past spring semester on May 2nd, Professor Florencia Sangermano and Pro- for walrus habitat." fessor John Rogan took their Wildlife Conservation class (GEOG 336) to present their research findings at the Wildlife Student Presenters: Conservation Society (WCS) headquarters • at the Bronx Zoo (NYC).

This year, four groups of students (pictured above) presented on various projects relevant to current WCS goals.

In one presentation, students presented • to the WCS (SMART) working group, which • involved researchers from World Wildlife . Fund, the World Resources Institute. Other students in the class presented their research on Walrus and Squid conservation to WCS staff.

The results of this work were distributed to WCS staff worldwide. One WCS staff member, Danielle LaBruna stated the fol-

"WCS is thrilled to partner with Professors Florencia Sangermano and John Rogan CLARK'S and their students at Clark University. Since 2012, they have helped us to solve MULTIDISCIPLINARY CONFERENCE the first time. The projects undertaken tions, posters, and panel sessions. A few about the GIS ADP program, click here.

this semester have contributed to our graduate and doctoral students particiunderstanding of how to approach predictive MPA patrol planning in the marine Doctoral Students realm, and climate change implications •

Danielle LaBruna, Geospatial Analyst

- **Andrew Burke**
- Caitlin Cassisi
- Ali Filipovic
- Nick Geron
- Meghan Kelly
- Jeanie Lai
- Lucy Lee
- Kelsey Meisenhelder
- Mary Molloy
- Spring Pillsbury
- Eli Simonson
- Rishi Singh



about the Wildlife Conservation Society

ANNUAL

pated from each program:

- Guy Hydrick
- Renee Tapp
- Laura Sauls
- Mike Cecil
- Alex Moulton

#### **GISDE Students**

- Carson Hauck
- Zachary Peloquin

#### MS-GIS ADP Students

- Will Heikes (2018 cohort)
- Meyru Bhanti (2019 cohort)

MS-GIS ACCELERATED DEGREE Program **INTRODUCES** NEW

#### TRACK-BASED CURRICULUM

Click here to learn more AY 2017-18 was the first year of the **new** track-based format of the 5th Year MS-GIS Accelerated Degree Program in Geography. This format was designed to provide ADP students with the option to ei-GRADUATE ther spend their year working at an internship or writing a Master's thesis, all while taking their usual courses. The cocomplex conservation problems that On Wednesday, April 18th, Clark hosted hort that piloted this format consisted of don't have a clear resolution from the its annual graduate multidisciplinary con- 13 students (our largest cohort ever) — 5 outset. They nevertheless take on these ference to showcase research and pro- of whom chose the thesis track, while the challenges and manage to provide a com- jects of the graduate student community. other 8 chose the internship track. This prehensive solution using a variety of re- Yuko Aoyama gave the opening remarks new program structure has worked out mote sensing and GIS tools, some of as Dean of Research, and the rest of the very well so far, and we are looking forwhich the students are just learning for afternoon was full of student presenta- ward to continuing it. To learn more

### MS-GIS ADP GRADUATES Largest cohort in 2018

This summer, the MS-GIS Accelerated Degree Program said goodbye to all 13 • members of its largest cohort since the program's beginning. With 8 students who completed the internship track in May 2018, and 5 students completing the thesis track (pending August 1 completion), 2017-18 was a banner year for the program.

With the new thesis and internship Meanwhile, 5 students worked on comtracks in place, students in this cohort had diverse experiences throughout their final year at Clark. 8 students were able to secure wonderful internships for both semesters with the following organizations:

- **Shirin Esmaeili** Oxfam America: Research Intern (Fall '17 & Spring
- **Ali Filipovic** Army Corps of Engineers, Geospatial Modeling of Disease Vector Hazard Using Google Earth Engine (Fall '17), Landvest, GIS Intern (Spring '18)
- **Saira Khan** Harvard Humanitarian Initiative: Humanitarian Geoscience (Fall '17 & Spring '18)
- Isabel Miranda Clark Labs: Graduate Research Assistant (Fall '17 & Spring '18)
- Mary Molloy Clark Labs: Graduate Research Assistant (Fall '17 & Spring '18)
- **Edward Peluso** Cadmus Group:

Research Analyst, Environmental Programs Group (Fall '17), Worcester Department of Public Health: Infant Mortality Intern (Spring '18)

- **Daniela Reyes Saade** Worcester Public Schools: Data Analyst (Fall '17), Harvard Humanitarian Initiative Humanitarian Geoscience (Spring '18)
- Tom Smith Clark Labs: Graduate Research Assistant (Fall '17 & Spring

pleting their second thesis in 2 years (as the program requires the successful completion and defense of an undergraduate honors thesis prior to entry):

- **Saraneh Fitzgerald** "Shoreline Change and Wave Regime in Funafuti Atoll from 2013 – 2018 using CLASlite and NOAA WaveWatch
- Will Heikes "Dónde esta 'Mi Gente?' An analysis of Spanish-language music awareness using Tweets in the United States"
- **Anela Layugan** "Change-points in Arctic Sea Ice across Eight Distributed Biological Observatory Sites"
- **Eli Simonson** "An assessment of forest loss and fragmentation for priority conservation landscapes in Central Africa"
- **Rishi Singh** "Mapping Mangroves: New Integrated Spectral Protocol for Rapid Mangrove Identification Using Machine Learning"

1 student defended in May 2018, and the other 4 are expected to finish in August 2018, all with degrees conferred on August 31st. Congratulations to all!

#### Incoming MS-GIS Cohort

Next year (2018-19), we will have a smaller cohort of 5 wonderful GIS students from various undergraduate programs:



Tyler Anderson (Earth System Science '18) Summer internship: NASA **DEVELOP**, NASA Langley Research Center



Meyru Bhanti (Geography & Environmental Conservation Biology '18) Summer internship: World Wildlife Fund



Hannah Corney (Global Environmental Studies '18) Summer internship: Clark Labs



**Carly Robbins** (Geography '18) Summer internship: NASA Goddard Space Flight Center & Center for Climate Simulation



Miles Weule Chandler (Geography '18) Summer internship: Town of Sudbury

John Rogan's Advanced Remote Sensing class from above —photo taken by dre



**GEOGRAPHY @ CLARK** 



# UNDERGRADUATE NEWS

GEOGRAPHY STUDENTS RECEIVE RECOGNITION FOR PREVIOUS & CURRENT NOAA FELLOWSHIPS

"This summer marks the seventh year Clark University students will put their education into practice through fellowships with the National Oceanic and Atmospheric Administration. Through a collaboration with the University's Mosakowski Institute for Public Enterprise and George Perkins Marsh Institute, NOAA has invited three Clark undergraduates to conduct research at sites in Florida, Maryland, and Massachusetts. This year, for the first time, all of Clark's NOAA fellows will be mentored by the same professor. Karen Frey, associate professor of geography, will work with the students to ensure • they are getting the most out of their NOAA experiences." ResearchMatters 05/22/18 Click to view

This year's NOAA Fellows are (pictured above):

- Anthony Himmelberger (ESS '19)
- Sophie Spiliotopoulos (GEOG '20)
- Jess Strzempko (ESS '20)

In addition to this great recognition, last year's group of NOAA fellows were also honored — three out of the four are connected to the Geography department and/or Environmental Science

- Tyler Anderson (ESS '18)
- Carly Robbins (GEOG '18)

- Anika Kreckel (ECON '18)
- Alexis Stabulas (ES&P '18)



Congratulations to all on these fantastic research opportunities! <u>Click to view.</u>

### Undergraduate Research Funding & Awards

- Harris Eidelman (ESS '19) received a Gilman Scholarship Award for his research during study abroad in Peru (click here to view)
- Iolanthe Brooks (GEOG & SOC '19) received a Peter J. Condakes Summer Research Fellowship Award for her research with Professor Asha Best on "Mobilities, Dislocation, and Power in the Prison Transfers"
- Claire Shapton (GEOG '19) received a Peter J. Condakes Summer Research Fellowship Award for her research with Professor **Deb Martin** on "A qualitative analysis of the place attachment experiences of those residentially displaced by gentrification in Portland, OR"
- Elizabeth Jones (PSCI, WGS & UDSC

'19) and **Maddy Buchman** (ECON & UDSC '19) received a Lois & Robert Green Summer Internship Award

#### Honors Thesis Research

This past semester, 9 students completed honors theses in geography:

- Tyler Anderson: "Effect of MA Forest to Urban Conversion"
- Meyru Bhanti: "Does the Distribution of juvenile tree planting impact local air temperature? A calibrated microclimate simulation in Holyoke Massachusetts"
- Nathan Bram: "Redevelopment in Haifa: mitigating interests in a "mixed" city"
- Hannah Corney: "The Impact of Juvenile and Mature Trees on Air Temperature Fluxes: Employing ENVI-met in the city of Chelsea, Massachusetts"
- lan Jackson: "Contentious Property, Contentious Citizenship: The Construction of a Houseless Village in Portland, Oregon"
- Anthony Jreije: "Analyzing the Westborough and Grafton Commuter Rail Stations through the Lens of Transit Oriented Development"
- Carly Robbins: "Finding Harmful Algae Using High Resolution Satellites"
- Gabe Trevor: "Identifying Socioeconomic and Demographic Voting Patterns in the 2016 Presidential Elec-

# UNDERGRADUATE NEWS

ing GIS and Spatial Analysis"

Miles Weule Chandler: "Developing a Tree Planting Priority Index to support urban greening for the Greening the Gateway Cities Program in Fitchburg, Massachusetts"

All theses will be displayed in the Geography Thesis & Dissertation library at the end of the hall on the second floor of Jefferson. Be sure to check them out!

Gamma Theta Upsilon (GTU) INDUCTS 11 NEW MEMBERS



Congratulations to our 11 newest members of the **Alpha Sigma** chapter of <u>Gam-</u> ma Theta Upsilon (GTU), the International Geographical Honors Society (above):

- Tyler Anderson
- **Eleanor Eaton**
- Anthony Himmelberger
- Erica Issenberg
- Ian Jackson
- Kyle Pecsok
- Claire Shapton
- Rebecca Silver
- Jessica Strzempko
- Chikondi Thangata

fessor Rinku Roy Chowdhury, Chair of Rogan and Professor Deb Martin

tion in Minnesota and Wisconsin Us- Undergraduate Studies in Geography, On this field trip, the group paid particuand drew a crowd of supportive peers to lar attention to understanding the landhelp celebrate. Congratulations!

### PHI BETA KAPPA INDUCTEES

Each year, the Phi Beta Kappa Society, Lambda of Massachusetts at Clark University, elects undergraduate students for induction to this prestigious honors society. Out of the whole university, we are pleased to recognize 5 geography students who were among this group:

- Nathan Bram
- Robert Franklin
- Ian Jackson
- Anthony Jreije
- Rose Kendrick

Congratulations to all!

Practicing Geography Week

This spring, the School of Geography Worcester's waterways and explored the held its seventh annual Practicing Geog- challenges of urban watershed and wildraphy Week, March 19th—21st. With a life conservation. The group visited sevlineup of 8 undergraduate events, in- eral ponds, lakes and brooks flowing cluding 2 field-trips, students spent the through or below our city, learned about week learning about the many ways in contemporary efforts in water quality which Geography, Global Environmental monitoring and preservation, and re-Studies, and Earth System Science are flected on the historical role played by incorporated into our everyday lives, these waters in our city's urban and eco-CUGA Movie night, a tour of Clark Labs, nomic development. The group then an alumni panel, and 2 local, faculty-led continued "downstream" to Mass Audufield trips are just a few new events add- bon's Broad Meadow Brook Urban Wilded to the usual lineup. The field trips life Sanctuary, where they hiked this were particularly popular — both trips wonderful natural and cultural resource, were free and open to all students inter- while learning about the unique chalested in Geography, and both occurred lenges facing urban watersheds and the on "Field Trip Friday" to wrap up the role of ecological diversity and wildlife in week.

The two trips offered this year were:

scapes of urban tree loss and replanting. This trip involved a visit to a few of Worcester's signature parks, including Elm Park and Green Hill Park, which allowed students to identify the impact of the Asian Longhorned Beetle infestation, and eradication efforts by the USDA, and visit important tree planting locations fostered by the Department of Conservation and Recreation, and the Worcester Tree Initiative.

Trip 2: Water in the Woo: Urban Blue **Space and Wildlife Conservation** — led by Professor Rinku Roy Chowdhury, Jacquelyn Burmeister (City of Worcester Public Works Department), and Martha Gach (Mass Audubon Broad Meadow Brook Sanctuary).

This field trip took students on a tour of

Thank you to all who attended and Trip 1: Spaces of Urban Green(ing) and organized/hosted these great trips! Be The induction ceremony was led by **Pro- Vulnerability** — led by **Professor John** sure to check our <u>Facebook page</u> for announcements for next year's lineup.





#### GSG Director Deb Martin with Dr. Azra Khan (PhD '53) during a summer visit to Clark (first visit in 65

# **ALUMNI NEW**

#### REBECCA Liebman **ATTRACTS** investors to LearnLux

founding the startup, LearnLux — a tage point of the nonhuman animal." free website that provides personal financial skills to millennials — Rebecca's achievements have attracted a great deal of support from all over. In 2016, Rebecca was named in Forbes' 2016 Education list of "30 under 30", RUTH later appeared in The New York Times, and is now being recognized for her winning SXSW pitch to a panel of judges that included actors Ashton Kutcher and Matthew McConaughey (pictured below, linked here). Overall, Rebecca's success story is one to follow. Congratulations to Rebecca and to LearnLux!



Visualizing Posthuman Conservation in the Age of the Anthropocene

Amy Propen (BA '96) has a new book titled "Visualizing Posthuman Conservation in the Age of the Anthropocene", University Press in September 2018.

bates about seismic testing and its im- from the 50's. Dr. Khan met **Deb Martin** sure to visit our website!

pact on marine species, to maps creat- (pictured above) and **Chris Creelman**, Rebecca Liebman (GES '15), has had ronmental conservation that decenters Thank you to Azra and her son for payquite a successful experience after the human enough to consider ideas ing a very wonderful and special visit to graduating from Clark in 2015. Co- about the material world from the van- the GSG!

> To view or pre-order this book, <u>click</u> here. To view Amy's additional works, visit her website (linked here).

FINCHER FI FCTFD Governing Board of Inter-NATIONAL SCIENCE COUNCIL

International Science Council elected two geographers as Ordinary Members of the Board, one of whom was Profes- PATHS OF RECENT GRADS sor Ruth Fincher (PhD '80) of the University of Melbourne. Congratulations, Ruth! Click here to view

Alumna returns for a visit after 65 years



On Wednesday, June 27th, Dr. Azra which will be available from Ohio State Khan (PhD '53) paid a visit to Clark Geography after being away from campus for 65 years (since graduating and leav-"Through case studies in which visual ing Worcester in 1954)! Rinku Roy Tell us what you're up to! Please take a technologies and science play a promi- Chowdhury (pictured above) found Dr. nent role in arguments to protect Khan and her son, Jaleel, roaming the linked here about your path after Clark. threatened marine species—from pho- halls of Jefferson and kindly hosted tographs showing the impact of ocean them for lunch at her home in Worcesplastics on vulnerable sea birds, to de- ter and got to hear stories of the GSG For more alumni news and updates, be

ed from GPS tracking projects—Propen and was sent off with a few Clark gifts advances a notion of posthuman envi- and memorabilia from our department.

#### Additional Alumni Updates

Arthur Elmes (PhD '17) was a Nystrom award finalist with the American Association of Geographers (AAG) for his paper, "Modeling the Potential Dispersal of Asian Longhorned Beetle in Central Massachusetts using Circuit Theory", which he presented at this year's AAG J. Warren Nystrom Award Session in New The inaugural General Assembly of the Orleans, LA. Click here to learn more about this award

John Lauermann (PhD '14) — Assistant Professor of Geography, Medgar Evers College, City University of New York

TO CLARK **Alexandra Cohen (BA '16)** — Doctoral program in the School for Environment and Sustainability at the University of Michigan

> Jitske Grift (BA '18) — Graduate School, Central European University

Nathan Gill (PhD '18) — Postdoc at University of Wisconsin-Madison, Department of Integrative Biology

Mary Molloy (MS-GIS '18) — Resource Management Intern at Fire Island National Seashore, NPS

#### Alumni Survey

minute to complete our brief survey



# AAG ANNUAL MEI

#### AAG 2018 IN NEW ORLEANS

Each year, the GSG pauses from the bustling spring semester to travel to the AAG (American Association of Geographers) Annual Meeting, where geographers from around the country come together to present research, attend sessions, network, explore, and catch up with past colleagues and friends.

This spring, many of our faculty, graduate and undergraduate students attended the AAG meeting in New Orleans, Louisiana from April 10th —14th. With the New Orleans Marriott hotel as the main hub of events, the city filled with geographers from near and far to participate in the conference experience.

In addition to attending multiple forums, meetings, presentations, and James McCarthy poster sessions, many members of the Jim Murphy GSG presented research of their own. The photo gallery on the following page shows just a few of the many GSG Florencia Sangermano presentations from the week.

On top of all of the conference activities, Will Collier the GSG held its annual Clark Party on Thursday, April 12th in the Attic Room Ben Fash and balcony of Lucy's Retired Surfers Nick Geron Bar & Restaurant on Tchoupitoulas Nathan Gill Street. Each year, the Clark Party is an event where faculty, alumni, students, staff, family, and friends can gather for food, drinks, and good times.

This year, 11 undergraduates, 4 MS-GIS Karen Hudlet Vazquez students, 26 doctoral students, and 11 Catherine Jampel faculty from the GSG presented re- Wenjing Jiang search, participated on a panel session, Sam Khallaghi or gave a talk at the conference, in addi- Roopa Krithivasan tion to the many who attended without Rich Kruger an official listing in the program.

The full conference program can be Andrew Riely found on the AAG website, <u>linked here</u> Helen Rosko (simply search by Affiliation: "Clark Uni- Dan Santos versity").

#### FACULTY PRESENTERS

Luis Alvarez Leon Yuko Aoyama Mark Davidson Lvndon Estes Ron Eastman Deborah Martin Robert Pontius Rinku Roy Chowdhury

#### DOCTORAL PRESENTERS

Carlos Dobler lackie Guz Dylan Harris Marc Healy Guy Hydrick

Son Ca Lam Alex Moulton Laura Sauls Kristen Shake Renee Tapp Brittany Wheeler Leslie Wyrtzen Su Ye

#### **MS-GIS Presenters**

Will Heikes (ADP) Zach Peloquin (GISDE) Eli Simonson (ADP) Rishi Singh (ADP)

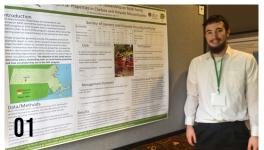
#### Undergraduate Presenters

Tyler Anderson Eli Baldwin (HERO) Meyru Bhanti (HERO) Nathan Bram Hannah Corney (HERO) Ian Jackson Anthony Jreije Joe Mogel (HERO) Carly Robbins Miles Weule Chandler (HERO) Gemma Wilkens (HERO)

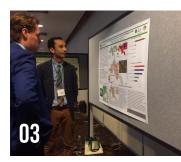
**GEOGRAPHY @ CLARK** 

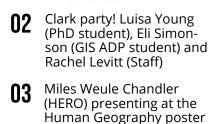
# **AAG 2018 | NEW ORLEANS**

Photos from the 2018 AAG Annual Meeting in New Orleans, Louisiana (April 10-14)! Click here to browse and search the 2018 abstract gallery online





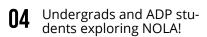




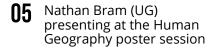
Eli Baldwin (HERO)

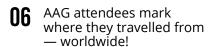
presenting at the Human Geography poster session

01



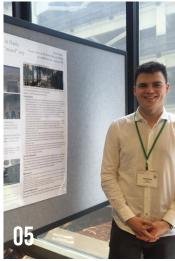
session

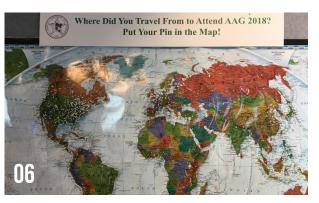




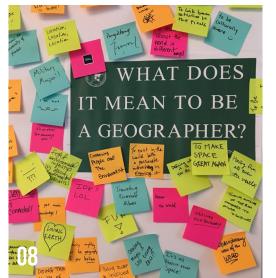
- Rishi Singh and Will Heikes (GIS ADP students) at the Physical Geography poster session (II)
- **08** "What does it mean to be a geographer?" notes from conference attendees
- Carly Robbins (UG) and Dan Santos (PhD student) at the Physical Geography poster session (II)

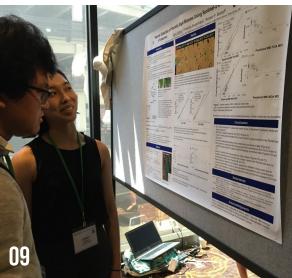














# **2018 COMMENCEMENT**

#### THE GSG WOULD LIKE TO EXTEND A VERY BIG CONGRATULATIONS TO THE CLASS OF 2018!

#### **GRADUATED SENIORS**

Geography Majors Madhubanti Anashua Sophia Aronow Meyru Bhanti Nathan Bram Robert Franklin litske Grift . Spencer Harriman Erica Issenberg Ian Jackson Nathan liwatram Anthony Jreije Rose Kendrick Grant Madigan-Kolstad\* Abdikarim Mohamed Carly Robbins Brenna Robeson Kate Summers Gabe Trevor Miles Weule Chandler

GEOGRAPHY MINORS Leta Branham Charlotte Gray Alexis Richards Jordan Shattuck Annalise Smith

GLOBAL ENVIRONMENTAL STUDIES (GES) MAJORS Hannah Corney Savannah Eades Daniel Ewald Koby Gardner-Levine Anna Schaeffer

GES MINORS Jacqueline Savageau

EARTH SYSTEM SCIENCE (ESS) MAJORS
Tyler Anderson
Wilhem Diehl

# MS-GIS 5TH YEAR GRADUATES

Savannah Cooley+
Shirin Esmaeili Chinchilla
Alexandra Filipovic
Will Heikes
Saira Khan
Katherine Landesman+
Isabel Miranda
Edward Peluso
Daniela Reyes Saade
Warren Scott+
Thomas Smith
Chung Nguyen Bao Truong+

### MS-GISDE GRADUATES

Adebisi Adevemi Caitlin Cassisi Sarah Gates\* Yiwen Hu Wenle Jiang leanie Lai Lucy Lee Amy Leung Haoyu Li Youťao Lin Nara McCray Kelsey Meisenhelder Zacháry Peloquin Maximilian Pschorr Erika Rivera Leta Spencer Zhiwen Zhu\*

## M.A. GEOGRAPHY

**GRADUATES** (en-route to Ph.D.)
Carlos Dobler Morales
Wenjing Jiang
Tong Jiao
David Lukens
Alex Moulton
Scott Odell
Michelle Wenderlich
Leslie Gross Wyrtzen

### **DOCTORAL GRADUATES**

Teresa Bornschlegl

"Three snapshots into complexity. A political ecological analysis of the regulatory enforcement of environmental laws in the oil and gas sector in Ecuador"

Juan Luis Dammert Bello "Contested Booms: The Politics of Oil Palm Expansion in the Peruvian Amazon"

#### Nathan Gill

"Disturbance interactions in subalpine forests: Compound effects and adaptive resilience"

Young-Long Kim
"The Role of Big Data in Understanding Urban Vitality"

# Undergraduate Department Awards

Ellen Churchill Semple Award Rose Kendrick (GEOG '18)

Clark Labs GIS Excellence Award

Carly Robbins (GEOG '18)

NCGE Excellence of Scholarship Award Anthony Jreije (GEOG & ECON '18)

Linda Roth Memorial Activist Scholar Award

Krissy Truesdale (GES '19)

The Marcia V. Szugda-Emani Memorial Environmental Scholarship Award Meyru Bhanti (GEOG & ECB '18) Global Environmental Studies Outstanding Student Award Hannah Corney (GES '18)

Strabo Award Iolanthe Brooks (GEOG & SOC '19)

# **UNIVERSITY AWARDS**Paul P. Vouras '51 Social

Science Award Rose Kendrick (GEOG '18) Departmental Nominee

# DEPARTMENTAL HONORS (THESES)

Tyler Anderson Meyru Bhanti Nathan Bram Hannah Corney Ian Jackson Anthony Jreije Carly Robbins Gabe Trevor Miles Weule Chandler

### GAMMA THETA UPSILON (GTU) GRADUATES

Tyler Anderson Nathan Bram Koby Gardner-Levine Erica Issenberg Ian Jackson Anthony Jreije Grant Madigan-Kolstad Carly Robbins Miles Weule Chandler

<sup>\*</sup> completed requirements in Dec 2017

<sup>+</sup> completed requirements in August 2017

# **2018 COMMENCEMENT**

Photos from the 2018 GSG Champagne & Strawberries Commencement Reception Check out our <u>Facebook page</u> to see more photos!









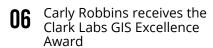
Hannah Corney receives the GES Outstanding Student Award

Anela Layugan and Will

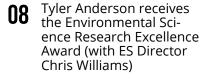
02

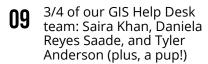
Heikes











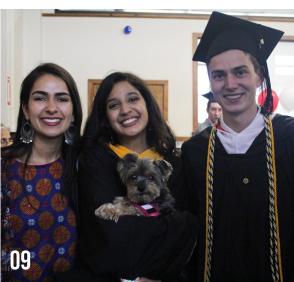














# DEPARTMENTAL UPDATES

### Now Hiring: GIS Help Desk!

Each year the Geography department hires one or more students to staff our GIS Help Desk; a departmental resource that provides free, one-on-one tutoring and guidance to undergraduate and graduate students seeking assistance in GIS programs and applications. The GIS Help Desk is located in the Geography Main Office (Jefferson 220) and runs during the week for set hours on a dropin basis. <u>Click here</u> to learn more about the position and to learn how to apply!

GSG FALL 2018 COLLOQUIUM Speaker Series: Save the Dates

GRADUATE SCHOOL OF GEOGRAPHY

## **COLLOQUIUM SPEAKER SERIES**

Fall 2018 TALKS TAKE PLACE IN GRACE CONFERENCE ROOM. LIC

**JAMES WESCOAT** 9/20\* -LANDSCAPE ARCHITECTURE-12:15-1:15PM MASS. INSTITUTE OF TECHNOLOGY (MIT)



10/25

12:00-1:00PM

9/27

**ELLYN ENDERLIN** -CLIMATE CHANGE INSTITUTE-UNIVERSITY OF MAINE



**BUDHENDRA BHADURI** -GIS AND TECHNOLOGY GROUP -OAK RIDGE NATIONAL LABORATORY



FOR MORE INFORMATION, PLEASE CONTACT GEOGRAPHY ACLARKII FOLL

# Wallace W. Atwood 2018 annual lecture, Nov. 6th

Save the Date: Tuesday, November 6th is our annual Wallace W. Atwood lecture, featuring **Dr. Cathy Whitlock** (Montana State University, Department Meyru is a wonderful student, and we obituary paints a picture of a life full of of Earth Sciences), at 7pm in Tilton Hall.

### MEMORIAL CELEBRATION FOR MARCIA

On Saturday, May 5th, the GSG supported and helped coordinate a very special event organized by Dr. Sri Emani (PhD '01), held to honor the memory of his late wife, Marcia, with a five-year memorial celebration and reception. The reception was attended by members of the GSG — past and present — memfriends of Marcia's who gathered to celebrate her memory.



As many know, Sri Emani also created a scholarship fund that provides nominat-Geography with recognition for environmental research. This year's recipient ert Kates. was Meyru Bhanti (GEOG & ECB '18, MS-GIS '19) who was selected by a committee of Geography faculty members. Meyru is very active on campus and in her research in GIS and Human-Environmental geography. She is an honors and a HERO student, and will continue her studies at Clark next year in the 5th year Master's in GIS program. Meyru recently presented her research at the AAG conference: 'Does the distribution of juvenile tree planting impact croclimate simulation in Holyoke Massachusetts".

ognize her with this award, and are grateful to Sri for his generosity to make this possible.

# Map Library shifts operations TO APPOINTMENT ONLY-BASIS

As of June 20th, the Guy Burnham Map and Aerial Photography Library is now available only by appointment.

bers of the Clark community, and old The following memo was distributed to Clark faculty from Gwen Arthur, Clark Librarian: "With the decrease in activity and use of materials in the Map Library, that collection will be served by appointment only beginning this week. For service there, phone Goddard Library Reference staff at x7579. Over time, higheruse reference and other monographic materials there will be transferred to Goddard." Any questions can be directed to Gwen.

### In Memory: Duane Knos & Robert Kates

The GSG recently received the very sad ed undergraduate students studying news of the passing of two former GSG faculty members, **Duane Knos** and **Rob**-



Duane Knos was a Professor in the Graduate School of Geography from 1970-1986, when he then retired and moved to Rupert, Idaho with his wife Lucy (to whom he was married for 71 years — high sweethearts!). school

Duane's obituary can be found here.

local air temperature? A calibrated mi- One of Duane's former PhD advisees writes: "Duane has been retired in Rupert, ID for many years and was beloved by those who worked with him." Duane's are extremely grateful to be able to rec- excitement — in his earlier years, Duane



# **EPARTMENTAL UPDATES**

mance art, and was an athletic coach for the best in her new work! football and tumbling — all while obtaining a Masters degree and a PhD later Unfortunately, we were not granted ap- Now, sadly, Kayla is leaving us in August down the road. Duane taught Geography and for 16 years here with us at Clark.



the phy from Worcester

gram and Gazette shortly after (linked here). Deb Martin (GSG Director) writes to the department and GSG alumni: "Many of you may have known and been influenced by Bob; undoubtedly many more heard about his immense contributions to the discipline of geography and well beyond. He worked, broadly, in the realm of human-environment geography, and was extremely influential in the fields of risk/hazards geography, and helped to shape what has become sustainability studies."

#### Many GEOGRAPHY STAFFING Changes in AY 2017-18!

Assistant to the Director, Chris Creelman for her dedication to the department grateful for the hard work and dedica-

Graduate deliberation, we received approval for Office Coordinator. Stay tuned!" School of Geogra- the following positions, which were offi-1962- cially in effect as of May 1, 2018. All three 1986. His obituary remaining staff stayed on to get the GSG appeared in the through this transition and to cover NEWSLETTER EDITOR Tele- these restructured positions:

- Chris Creelman: Department Administrator and Assistant to the Director
- Rachel Levitt: Program Administrator
- Kayla Peterson: Office Coordinator



The **Program Administrator** is the only From Department Administrator and brand new position (pictured above), but all positions were reconfigured with "Graduate Program Administrator Bren- most of the tasks that were once covda Nikas-Hayes moved on after nine ered by all four staff positions, together years with the GSG to the position of As- with a new student position: Media Consociate Director of Programs, Eureka at tent Editor and Graphic Designer (part Girls, Inc. in Worcester. We are grateful time, to be hired Fall 2018). I am so

served in WWII with the Army Air Corps, and, most especially, to our doctoral pro-tion of Rachel and Kayla. It would have was deeply involved in music and perfor- gram and its students. We wish her all been near impossible to get through the last year without them!

proval to search for a new Graduate Pro- to tackle her Masters in Art History at for 14 years at the University of Kansas gram Administrator, but were instead UMass Amherst! Be sure to wish her well asked to reconfigure our staffing struc- before she moves on in late August and ture with the three remaining staff: thank her for four years of service to the Robert (Bob) Kates Rachel Levitt, Kayla Peterson, and my-department! A search committee is was a Professor in self. After an exhausting year and much working this summer to hire a new

# A note from Rachel Levitt,

With the new configuration of GSG staff, we have shifted around some of the responsibilities among our three positions. With these changes and with the upcoming hiring of a student Media Content Editor and Graphic Designer, I will no longer be the primary editor for the GSG Newsletters. This task will be shifted to this student position, which I will oversee. With that being said: all content submissions can now be sent to geog-media -editor@clarku.edu.

Thank you all for your submissions over the years! I have greatly enjoyed creating these newsletters, as they have provided me with the opportunity to learn more about the wonderful things that the GSG does. Having created 11 newsletters since 2014, each year I am increasingly impressed with everyone's dedication, care, and passion reflected in these research updates and notes. Keep being great and changing the world! -R

Visit our newsletter archive <u>here</u>.

**GEOGRAPHY @ CLARK** 





CHALLENGE CONVENTION. CHANGE OUR WORLD.

Geography News | Summer 2018 Issue Published July 2018