



Animal Geography News

Research, Conference, Publication

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Letter from the Chair

Hello and welcome to our seventh annual Animal Geography Specialty Group newsletter! A big thanks goes to our two Graduate Student Officers, Anita Hagy Ferguson and Angela Parker, for all of their work in producing this newsletter, and to the entire board for all they do in service of our specialty group.

Inside you will find updates from some of our members including a piece from Cody Richardson and Stella Capoccia on the urban ecology of feral pigeons, an update from Mike Slattery on TCU's Rhino Initiative, and an introduction to vegan ideologies from Angela Parker. To help you plan your conference schedule, a list of AnGSG-sponsored sessions and events, as well as other topical sessions, is included at the end of the newsletter.

Among these events, I am especially excited to draw attention to AnGSG's very first plenary, featuring a film by our past Chair, Julie Urbanik, and a

panel discussion (Friday April 1, 1:20-3pm, Nikko Ballroom II, Hotel Nikko, 3rd floor). Our business meeting will precede the plenary in the same location (11:50am-1:10pm), and election of a new Secretary-Treasurer from the floor is among our agenda items. The board hopes to see many of you there!

Finally, I am pleased to announce the winner of our graduate student paper competition: Kalli Doubleday, a doctoral candidate at the University of Texas at Austin, with a paper titled "Feeding the wild: preserving India's most famous tigress."

I hope the San Francisco AAG is a productive and enjoyable meeting for all of you AnGSG members who will attend, and whether this is a conference year for you or not, many thanks for your ongoing support of our specialty group and animal geography!

~ Mona Seymour, AnGSG Chair

Above: Sea monster attacking a ship. Detail from *Carta Marina*, 1539, Olaus Magnus. 1572 edition. National Library of Sweden, shelfmark KoB 1 ab.

Meet the AnGSG Board



Mariner's compass. John Davis 1670. Public Domain.

Connect with ANGSG

AnGSG Facebook



AnGSG Google Group

Have your messages sent by email via angsg@googlegroups.com and/or log in directly to the Google Group and click "New Topic" to send a message

Contribute to the Animal Geography Bibliography

You can view the AnGSG Animal geography bibliography [HERE](#).

Zotero is a free, online bibliography service that allows you to integrate your Endnote (and other) libraries and allows group members to add their own entries. Do you have contributions?

Contact Mona Seymour to be added as an editor.
mona.seymour@lmu.edu



Mona Seymour
Chair



Jody Emel
Secretary/Treasurer



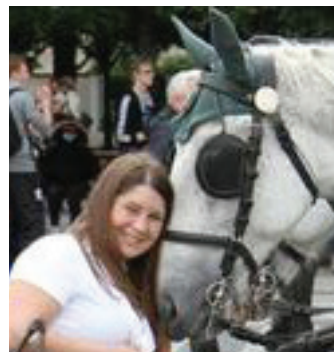
Monica Ogra
Board Member



Harvey Neo
Board Member



Suzi Wiseman
Board Member



Sharon Wilcox
Communications Officer



Anita Hagy Ferguson
Graduate Student Officer



Angela Dawn Parker
Graduate Student Officer



Mike Slattery and Will Fowlds, working in South Africa, tend to a a Rhino with a damaged transmitter.

Texas Christian University Rhino Initiative rescues, protects and educates in response to poaching crisis

More than three rhinos per day are poached in South Africa, home to approximately 80% of the world's rhinos. Poachers are after the horn of the rhino which is used in traditional Asian medicine, primarily in Vietnam.

The number rhinos poached rose from an average of 1 per month in 2007 to over 100 per month in 2014 and this number is still rising. There are approximately 25,000 black and white rhinos left in the wild, and this crisis of rhino poaching has raised worldwide concern over the future of the species and the probability that the species, if this rate of poaching continues, will become extinct in

our lifetimes.

The price of rhino horn on the black market is far higher than the price for gold, ivory or cocaine. Money from the sale of rhino horn is used to fuel civil wars in Africa and the Middle East further complexifying an already wicked problem.

In 2014 Mike Slattery, Director of the TCU Institute for Environmental Studies, teamed up with South African veterinarian, Will Fowlds to help ensure the long-term survival of the rhino.

The TCU Rhino initiatives works to raise public awareness about poaching, reduce demand for support on the ground

protection and support rescue and rehabilitation programs for poached rhino.

Learn more about the TCU Rhino Initiative HERE



Mike Slattery and Lauren M. Geffert present **“Coaching for Conservation: An Analysis of Local Challenges of the Rhino Poaching Crisis in South Africa”**

Human Geography Poster Session 1
Wednesday, 3/30 at 3:20 pm
Hilton Hotel, Grand Ballroom Level



AnGSG Social

Join us in San Francisco at the Tonga Room's Hurricane Bar in the Historic Fairmont Hotel

Friday, April 1st
6:00-8:00 pm

Meet and mix with other animal geographers in this fun classic tiki lounge.

Tonga Room Hurricane Bar
950 Mason Street
San Francisco
415-772-5278
www.tongaroom.com

The Fairmont is located a short 3 minute cab or 15 minute walk from Hotel Nikko

For details contact Anita at
541-324-2952

Welcome New Board members

Board elections are in! Jeffrey V. Martin joins as a general board member, along with Anita Hagy Ferguson who will transition from graduate student officer to Board Member. Kalli Doubleday joins as a new graduate student officer, and Angela Parker will continue as graduate student officer for another year.



Jeffrey V. Martin
Board Member
PhD Candidate
Human/Environmental Geography
University of California, Berkeley
Jeff's current research centers on questions of human-environment relations, wildlife conflict, and political economy.

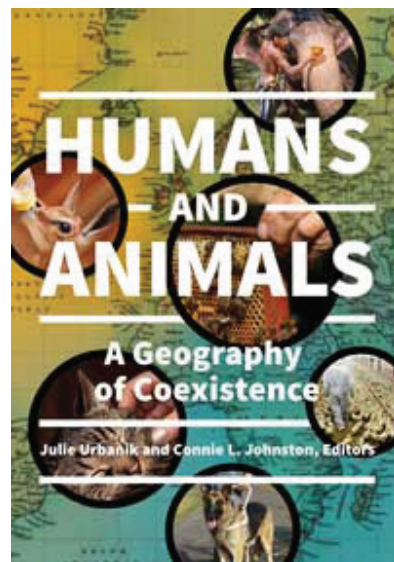


Kalli Doubleday
Graduate Student Officer
PhD Candidate
Department of Geography
University of Texas, Austin
Kalli's current research centers on the socio-spatial negotiations of Asian big cats.

Member News

Julie Urbanik and Connie L. Johnston
AnGSG members Julie Urbanik and Connie L. Johnston announce the upcoming release of their edited volume: *Humans and Animals: A Geography of Coexistence*. The volume offers critical examinations of human-animal relationships in the context of animal geography through alphabetical listings of salient human-animal issues including invasive species, factory farming, human-wildlife conflict, service animals and poaching. Many AnGSG members contributed to this volume. *Geographies of Coexistence* is set for release by ABC Cleo in October 2016
ISBN 978-1-4408-3834-7

Shari Wilcox
AnGSG communications officer
Shari Wilcox is a contender for the AAG Nystrom Award for her paper "*Murderous jaguars, king cats, and ghostly tigers: Emergent rhetorics of conservation in the early twentieth century.*"
Shari presents Wednesday, 3/30 at 1:20 pm, Mason B, Hilton Hotel, 6th Floor



Congratulations to the AnGSG graduate student paper competition winner

Kalli Doubleday with a hedgehog rescued from the roadside in Jaipur, India



Kalli Doubleday of University of Texas, Austin wins the graduate student paper contest with "Feeding the wild: Preserving India's most famous tigress".

Kalli is a doctoral candidate in Geography. She is an animal geographer studying the social and spatial negotiations occurring as a result of the reintroduction of tigers to Sariska Tiger Reserve in Rajasthan, India for her dissertation research. More generally, Kalli is involved in other research projects focused on the representation of large carnivores in the media and in the construction of the boundary between domestic and wild animals.

kdoubleday@utexas.edu

Abstract:

Wildlife management involves a number of contested practices which are regularly sites of debate within and beyond the conservation community. Among them is the practice of supplemental feeding. The case study of the internationally famous

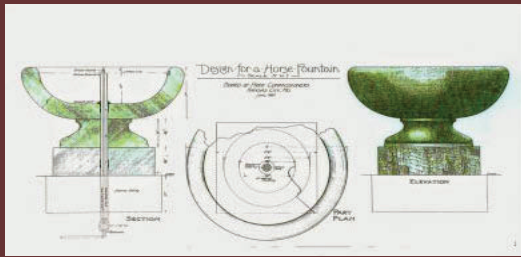
Bengal tigress (*Panthera tigris*), called Machli, living in Ranthambhore Tiger Reserve illustrates the heated debate over feeding animals in the wild as a management practice. The data for this study consists of 59 semi-structured interviews with randomly selected participants across seven localities in India. I maintain that the case study of Machli troubles categories of "wildness" and "domesticated," and it interrogates understandings of the role of the individual animal in conservation practice. Feeding practices, paired with Machli's celebrity status, create conditions whereby Machli occupies a liminal category that is not quite "wild" and not quite "domesticated."

Machli's liminal status and her relationship to humans and other tigers contributes to the wealth of scholarship that interrogates notions of "wildness," "pristine nature," and the social construction of the nature-society divide. At the same time, scholarship in conservation and animal geographies has tended to center either the individual or the population in theorizing human-animal conservation relationships. I argue here that greater attention needs to be paid to the complex scalar entanglements of the individual and population and how this impacts perceptions about conservation and wild nonhuman life more generally.

Kalli Doubleday presents the co-authored paper
"Representation of human-leopard conflict in India across local, national, & international media"

Geographies of Media XIV: Media, governmentality, and managing the 'more than human' environment
 Friday, 4/1 at 8:00 am

Powell Room A, Hilton Hotel, 6th Floor



Don't miss the AnGSG Plenary

Zoopolis: A Multispecies Urban History

The story of place is often told through a human-centric lens where humans are portrayed as the only actors who, by their power and spirit, literally and culturally create places. But, is this actually true?

Chairs Jody Emel and Mona Seymour

Panelists:
Julie Urbanik
Jennifer R. Wolch
Krithika Srinivasan
Harvey Neo
Paolo Giaccaria
Mazen Labben
and discussant,
Susan Ruddick

Friday, April 1
1:20-3:00 PM

Nikko Ballroom II
3rd floor
Hotel Nikko

"Safe" Spaces?: Vegan ideologies and farm animal sanctuaries

Angela Dawn Parker

Farm animal sanctuaries in North America are spaces that have been created by humans who want to provide refuge for animals who are not normally considered to be companion animals. Animals are typically rescued from being slaughtered or in situations considered inhumane. They are then brought to sanctuaries as a refuge from harm. Within these ostensibly safe spaces, humans and the rescued animals can develop a relationship similar to human-human friendships. But how "safe" is a sanctuary? What determines its safeness? Safe spaces for humans have been described as spaces that are free of control, protected from outside society and a place where unspoken hierarchies can

be challenged.

While this research draws on the strong body of scholarship that investigates human-animal relationships and veganism, I will contribute an original perspective to this literature by exploring the meaning(s) of safe spaces for animals while employing sociologist Rhoda Wilkie's (2005) framework of farmer-animal associations which include four different degrees of farmer-animal association: 1) concerned detachment; 2) detached detachment; 3) concerned attachment; and 4) attached attachment. Wilkie's research suggests that a worker's job duty will define the emotional connection between human and animal, concluding that the emotional connections between humans and animals



Angela Parker at
Wishing Well

are different in commercial organizations and hobby farms. Within attached attachment, there is a positive farmer-animal relationship as the farm animal is treated as an individual. Furthermore, the farm animal is completely decommodified and treated as a companion and not as an object used for service. Employing Wilkie's farmer-animal associations to veganism to determine the "safeness" of spaces for animals is an entirely new concept.

My research investigates Wilkie's farmer-animal associations through a slightly different angle, questioning if animal sanctuaries can be considered safe spaces if volunteers do not exhibit an "attached attachment" with the



animals. I set forth to define "safe space" in relation to animal sanctuaries by using vegan ideologies and Wilkie's "attached attachment" theory. My research combines Wilkie's framework with the principles of veganism, as well as interviews and participant-observation methods to evaluate if animal sanctuaries are indeed "safe" spaces. The research proceeds through a case study of two prominent animal sanctuaries

in Canada that have at least ten volunteers who contribute to the everyday routine of animal care and interact often with the animals. One sanctuary promotes animal rights, while the other advocates for animal welfare.

With all this considered, I contemplate the following: Do vegan ideologies shape farm animal sanctuaries, and if so, how? Using theoretical insights developed in the field of sociology and human geography, this research will contribute to animal geography on a topic that has been largely overlooked.

Angela Dawn Parker is an MSc candidate in Geography, Urban and Environmental Studies at Concordia University, Montreal



“Reading Derrida with an actual cat”

by Heather Rosenfeld

Heather is a PhD student in human geography at the University of Wisconsin, Madison. Her research is on the construction of alternative scientific knowledge at, and political economy of, farm animal sanctuaries.

Derrida, J. 2008. *The Animal That Therefore I Am*. Trans. David Wills. New York: Fordham University Press, 2008. 6, 7, 32.



Heather Rosenfeld presents **“Epistemological nudity and the ethnographic strategies: Derrida and Cixous at the farm animal sanctuary. Or Chickens and how they are so good.”**

Political Ecology of Multi-Species Spaces: Contestation and Cohabitation 2
Thursday, 3/31 at 10:00 am
Powell Room A, Hilton Hotel, 6th Floor

The Feral pigeon, mighty or lowly: an unlikely species in social and ecological research

Cody Richardson

This article promotes the feral pigeon (*Columba livia*) as an important subject for understanding the dynamics of ecological research. We summarize the findings of a multi-year study on the population dynamics of feral pigeons which highlights their role in urban ecology and as a valuable subject in ecologically-grounded research. Despite our stated advocacy, we have a love-hate relationship with this cosmopolitan bird. For us, pigeons hold true to their reputation as appalling animals that may not have the same glamorous status as more majestic megafauna, but we have found that pigeons hold an important role in both ecological and social contexts. This article moves through our current ecological work in a way that focuses on the role of the pigeon in ecological research, society, and the changing face of ecological practices.

Our primary research focuses on the population dynamics of feral pigeons in Butte, Montana. The first leg of our on-going work was initiated to combat a complaint made by business owners of the Central Business District (CBD) of Uptown Butte. The complaint addressed the feral pigeon populations in the direct vicinity of the CBD and the effects caused by the bird's feces and feathers. Butte-

Silver Bow County responded by contracting the Biological Sciences Department at Montana Tech to examine the population dynamics of the pigeons. We succeeded in mapping the overall distribution of the birds and show a strong connection between pigeons and specific human environments (Capoccia & Boyle 2014). We went on to characterize the community's attitudes towards the birds. Not surprisingly, our data showed a significant amount of negative outlooks towards pigeons, but we also discovered many citizens have strong positive attitudes towards pigeons. These positive attitudes counter the initial complaint and should be considered when designing a population management plan. Our findings led us to a second phase of research: to calculate the approximate size of the population and to figure out the pigeons' home range distribution.

The second, ongoing phases use conventional trap-tag and resight methods for the basis of the data collection. So far, pigeons have been trapped at four separate sites using both baited box trap and net capture for roosting adult birds. Juveniles were easily hand-captured by simply scooping them out of the nest. For specific pigeon location data, we used colored leg bands and feather-light colored flagging that coincides

with the trapping locations. The leg bands we chose were simple plastic-snap designs which were etched to show an identification number. This number was to ensure that specific individuals would be accounted for upon recapture. The data collected at the time of individual trapping was the pigeon's age (breeding/nonbreeding), weight, location, time of capture, and date. Resight data is being collected using standard point-count transect surveys. These surveys will provide data for a specific ratio of marked to unmarked birds which can be used for continuous population estimates.

The data collected so far has provided a solid basis for determining home range size, distribution of marked pigeons, and dispersal habits. Dispersal habits are useful in judging approximate region boundaries of greatest pigeon impact. Population models, which include age specifics, will be able to contribute to better growth models predicting average number of pigeons.



Cody Richardson attempts to trap a roosted pigeon



These population models can give an approximate estimate of how many individuals could make up the population within a predetermined timeline of interest.

Based on these findings, management recommendations could be established to limit pigeon population growth. Observation of roosting, nesting, and feeding areas and behaviors could also help to target key locations or times to control populations. With the expanded information on pigeons in the Butte CBD, the city could make better decisions on how to manage the pigeon population. For example, enforcing building codes to decrease number of open window roost sites and a reduction in public feeding could be adapted to help limit population growth (Capoccia and Boyle 2014). Lethal measures along with chemical contraception should only be used once the aforementioned management protocol is in practice and in conjunction with population models to ensure projected efficacy. Further study would be required to determine what, if any, control methods need to be adopted.

One of our most unexpected findings was that, while often dismissed for not being a true wildlife species, the feral pigeon is a free-roaming animal that offers unprecedented

research opportunities.

Specifically, the pigeon provides wildlife ecologists opportunities to learn and experiment with a range of techniques pertaining to population dynamics, animal behavior, ecological interactions, and basic study design. Compared to other species, pigeons are often close-at-hand and easy to access, they require minimal permitting, they are easy to handle, and it's not uncommon to identify individual birds. Further, pigeons hold a well-established place in urban and suburban biodiversity. For example, it is well-accepted that pigeons have become an important food source for raptors and other predators.

Modeling pigeon populations and related shifts in biodiversity can provide insight into everything from climate change to avian-borne illnesses. With increasing urbanization, it is important to observe the biology of species that have adapted successfully as well as to manage human interactions with these species. These attributes make pigeons a superb animal to study for everything from population models to animal behavior.

As ecological management expands to include human politics and priorities, we can, once again, turn to the pigeon for research. The domestication of pigeons as a food source and a means of communication initiated a social interaction for better or for worse. From a social perspective, pigeons are generally first seen as problem animals that are linked to destruction of historical buildings and potential spread of disease. But as our research and others show, other people view pigeons as a valuable link to the natural world and develop deep personal relationship with

free-roaming flocks (Jerolmack 2013). Our research shows that it is not uncommon to find people who like the birds even to the extent that they know individuals and feed whole flocks, aspects that contribute to the social carrying capacity of any species. The social component of our study demonstrated that feral pigeons were viewed more similarly to other free-roaming wild animals than expected and therefore management will also require careful consideration of contrasting human interests (Capoccia & Boyle 2014). Wildlife scientists often benefit from understanding the human perspective of a given species. This social element positions pigeons as an interesting and useful study species as well as a fascinating and prevalent problem in wildlife management in a social context.

Feral pigeons, loved or hated, have the ability to give us a much better understanding of urban wildlife interactions that could be relatable to a variety of other urban wildlife species. Our findings so far have given us a more thorough understanding of how an animal that could be so reviled has the potential to significantly contribute to the understanding of urban ecology and its social interactions.



Cody Richardson is a graduate student in biological sciences at Montana Tech where he is advised by Stella Capoccia.

Animal Geography in the Classroom

By Julie Urbanik

While there is an increasing number of animal geography-specific readings to choose from for teaching purposes, it remains difficult to find ways to bring animals into non-animal focused classes and, sometimes, to find material that can bring added depth to a human-animal topic. The new book *Rendering Nature: Animals, Bodies, Places, Politics* edited by M. Shaffer and P. Young has several pieces that would make excellent classroom readings in both situations.

The volume is a collection of essays from American Studies and Environmental Historian scholars. The essays reach across time and space with the goal of “identify[ing] and interrogat[ing] the ways that the relationship between nature and culture has been rendered in the last two centuries of American life” (p. 3). Following Shukin’s 2009 book *Animal Capital: Rendering Life in Biopolitical Times*, Shaffer and Young have built upon Shukin’s notion of rendering as both the act of making a copy and the industrial boiling down of animal remains. They argue that the process of rendering “offers a useful conceptual tool to interrogate the entanglement of nature and culture” and that “such an inquiry sheds light on both the dynamic processes that link the two categories and the layers of thought, practice, and history that have served to divide nature and culture into distinct realms” (p. 12).

The book itself is divided into four parts with a total of 13 chapters. The introductory chapter explore the nature-culture paradox from an environmental history and American studies perspective and

A Brief Review of Rendering Nature: Animals, Bodies, Places, Politics, edited by M. Shaffer and P. Young (2015), University of Pennsylvania Press

maps the four parts which are categorized as: Animals, Bodies, Places, and Politics. The time period ranges from the antebellum south to the Wall Street protestors of today and moves from taxidermy to atomic imagery to Manzanar (a Japanese internment camp in California during WWII). The notes for each chapter are listed at the end of the book, and there are some illustrations (mainly photos) spread through the chapters.

There are four chapters that I will highlight here as being of special significance for animal geography classes. The first is by Thomas G. Andrews and tells the story of former slave Charles Ball who wrote *Slavery in the United States: A Narrative of the Life and Adventures of Charles Ball, a Black Man*, which was first published in 1836. The book in and of itself is significant as one of the most important accounts of slavery ever published and contributed directly to the abolitionist movement. But what is of particular interest for animal geographers is the ways in which Ball describes his different relationships with animals during a time when both he and other species were bought and sold as property. Indeed, Ball’s description of realizing how much he is being treated ‘like an animal’ foreshadows the work of many scholars working at the intersection of race and non-humans. He documents the role

of meat-eating as both a tool of power by white slave-owners and a way of self-empowerment through hunting on his own. His descriptions of how animals (cats, dogs and wildlife) were used to punish slaves is harrowing and yet he remains able to form a close bond with a dog and admire the wildlife around him at the same time. This essay would make an excellent addition to animal geography course work on the relationship between human identities and non-humans by helping to more deeply contextualize the experience of slavery and to demonstrate how early on people were making links between the treatment of humans and nonhumans.

John Herron’s essays explores the history of taxidermy by telling the story of the centerpiece of the Kansas State Pavilion at the 1893 Chicago World’s fair – a giant taxidermied panorama of North American plants and animals. “Equal parts science, art, and Victorian ‘clutter,’ the panorama was a three-dimensional reflection of late nineteenth-century American culture” (p. 51). The panorama was the work of naturalist Lewis Dyche, who had trained in taxidermy with William Hornaday (famous taxidermist at the National Museum of Natural History). This training was important because Hornaday revolutionized taxidermy

methods and wanted to convey his mounts as something more than imitations – he wanted them to be ideal representations – the ‘essence’ of the entire species. Dyche’s display at the fair would prove to be one of the most popular attractions as it not only displayed the abundance of wildlife in America, but it also was a pivotal moment in a new way to ‘see’ nature and animals. For the classroom this article would be especially relevant for the material history of animal geographies in science and a great partner piece to Haraway’s work on the dioramas in the Natural History Museum in New York. The essay would also be useful in discussing the different ways of ‘seeing’ animals – in zoos, on film, as taxidermy and how these different methods shape our experience of animal others.

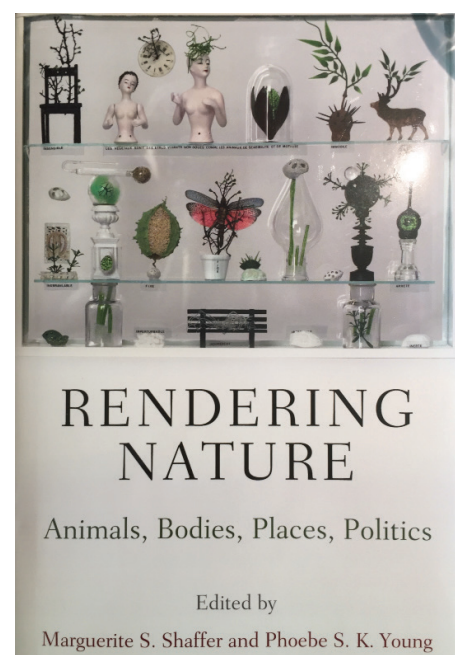
Marguerite Shaffer’s essay on Digit, the silverback gorilla made famous through Dian Fossey’s research in Rwanda, examines how his murder by poachers shaped gorilla and wildlife conservation efforts in the public eye. Like the recent death of Cecil the Lion at the hands of an American dentist in Zimbabwe in 2015, the murder of Digit in the 1970s led to an international outcry and left many people wondering how could the world care about one gorilla when there was so much human suffering going on in Africa. For Shaffer, however, the stories of Digit offer multiple versions of him “rendered as savage beast, scientific object, threatened species, safari trophy, fund-raising opportunity, and tourist attraction” that “reveal the fraught struggle to come to terms with nature in the culture of postcolonial global capitalism” (p. 72). Not only did Fossey and Digit transform the nature-

culture divide through their close relationship (and Fossey’s breaking of the scientific rules of objectivity and distance), but Digit also helped create the image and desire for an “instant of encounter” between humans and other species. Something that does not happen in zoos but that may still happen in the “wild” and “on safari.” For animal geographers, Digit exemplifies the many social constructions of animals that take place and also provides a specific individual with which to investigate the relationships between human-wildlife conflict, the politics of poaching, and the conflicts around parks and people. An excellent companion to this piece would be the film *Virunga* – a 2014 documentary by Orlando von Eisinger that follows the work of rangers protecting the last mountain gorillas in Virunga National Park in the Democratic Republic of the Congo.

Finally, the essay by Brett Mizelle on pigs and the spectacle of killing and eating meat traces the ways in which meat production has been intentionally made visible to promote the product and to “imagine that the connection between pigs and people is not as distant and alienated as it actually is” (p. 267). Mizelle tells the story of the history of meat production in America using a variety of advertising images and celebratory stories such as the 1821 “Meat Parade” in Philadelphia organized by local butcher William White. The two-mile parade included “86,731 pounds of meat from sixty-three cattle, forty-two oxen, four bears, three deer, ten goats, eight giant hogs, and numerous sheep” along with “200 butchers in their white frocks mounted on horses” (p. 273). In documenting

this development, he shows that “through at least the early part of the twentieth century, production and consumption were intertwined as what would be come known as ‘factory farming’ [which] initially meant something positive: the triumph of agricultural engineering and the concomitant glorification of new and more efficient means of production that reduced prices and increased availability for consumers” (p. 279). This piece is an excellent example of the history of industrial agriculture and the ways in which attitudes towards treating and killing animals have and have not changed. It would make a fascinating class exercise to have students create a collective collage of how meat is marketed today and reflect on how these ads do or do not link us to the animals being consumed.

The remainder of the book is also excellent and full of accessible and engaging environmental histories that would make strong contributions for environmental history, nature-society history, and geographies of the environment courses.



ANGSG Sponsored Events

Day	Time	Title	Location	Presenter	Chair/Organizers
Wednesday 3/30/16	3:20 PM	2548 Coastal and Marine Issues and Science Land Cover change in the Wasatch Valley: The Effect of Development in Utah's Wasatch Valley on the Surface area of the Great Salt Lake	Union Square 21 Hilton Hotel 4th Floor	Andrea Hendrick	Jennifer L. Rahn
Wednesday 3/30/16	3:27 PM	2548 Coastal and Marine Issues and Science Using Unmanned Aircraft Systems (UAS) for Project-Based Teaching and Community-wide Geospatial Services: An Overview of the Impact of Drone Technology at East Tennessee State University	Union Square 21 Hilton Hotel 4th Floor	Timothy A. Joyner William Tollefson Eileen Ernenwein Selena Roark Amy Poole Chase Staton Stacey Vernon	Jennifer L. Rahn
Wednesday 3/30/16	3:34 PM	2548 Coastal and Marine Issues and Science Navigating the UAS Landscape	Union Square 21 Hilton Hotel 4th Floor	Suzanne P. Wechsler	Jennifer L. Rahn
Wednesday 3/30/16	3:41 PM	2548 Coastal and Marine Issues and Science Improving Ecological Literacy in the Galapagos Islands Through Outdoor Education	Union Square 21 Hilton Hotel 4th Floor	Francisco Laso	Jennifer L. Rahn
Wednesday 3/30/16	3:48 PM	2548 Coastal and Marine Issues and Science Seasonal and Spatial Variations in the Probabililty of Pathogenic Stream Impairment	Union Square 21 Hilton Hotel 4th Floor	Dennis Gilfillan Phillip R. Scheuerman T Andrew Joyner	Jennifer L. Rahn
Wednesday 3/30/16	3:55 PM	2548 Coastal and Marine Issues and Science Geographic Explorers in the Baja California Peninsula, Mexico	Union Square 21 Hilton Hotel 4th Floor	Paola Citlali Secundo Metay Pedro Sergio Urquijo Torres Gerardo Bocco	Jennifer L. Rahn
Wednesday 3/30/16	4:02 PM	2548 Coastal and Marine Issues and Science Utilizing NASA Earth Observations for Assessing Groundwater Storage Change and Contamination Risk in Southwest Georgia	Union Square 21 Hilton Hotel 4th Floor	Wenjing Xu Jason Reynolds Linli Zhu Mingshu Wan Doori Oh Caren Remillard	Jennifer L. Rahn
Wednesday 3/30/16	4:09 PM	2548 Coastal and Marine Issues and Science Small Island Coral Nursery Implementation: A Case Study on Saba Dutch Caribbean	Union Square 21 Hilton Hotel 4th Floor	Jennifer L. Rahn	Jennifer L. Rahn
Thursday 3/31/16	8:00 AM	3153 Political Ecology of Multi-Species Spaces: Contestation and Cohabitation 1 Killing One Trout to Save Another: The Hegemonic Political Ecology of Aquatic Ecological Networks	Powell Room A Hilton Hotel 6th Floor	Harold A. Perkins	Jennifer K. Sedell Jeffrey Vance Martin, Chair
Thursday 3/31/16	8:20 AM	3153 Political Ecology of Multi-Species Spaces: Contestation and Cohabitation 1 Where diversity meets purity: fisheries and multi-species biopolitics	Powell Room A Hilton Hotel 6th Floor	Christing Biermann	Jennifer K. Sedell Jeffrey Vance Martin, Chair
Thursday 3/31/16	8:40 AM	3153 Political Ecology of Multi-Species Spaces: Contestation and Cohabitation 1 Connectivity, mobility and biopolitics in UK wildlife conservation	Powell Room A Hilton Hotel 6th Floor	Timothy Hodgetts	Jennifer K. Sedell Jeffrey Vance Martin, Chair
Thursday 3/31/16	9:00 AM	3153 Political Ecology of Multi-Species Spaces: Contestation and Cohabitation 1 Scales, flies, and quarantines: Spatializing biosecurity in U.S. agriculture, 1881-1913	Powell Room A Hilton Hotel 6th Floor	Jennifer K. Sedell	Jennifer K. Sedell Jeffrey Vance Martin, Chair
Thursday 3/31/16	9:20 AM	3153 Political Ecology of Multi-Species Spaces: Contestation and Cohabitation 1 Biosecurity, Territory and Multi-Species Spatial Relations	Powell Room A Hilton Hotel 6th Floor	Gwendolin McCrea	Jennifer K. Sedell Jeffrey Vance Martin, Chair
Thursday 3/31/16	10:00 AM	3253 Political Ecology of Multi-Species Spaces: Contestation and Cohabitation 2 Towards a "humanimal" community: the ethnographic study of an educative farm sanctuary	Powell Room A Hilton Hotel 6th Floor	Claire Camblain	Jennifer K. Sedell Jeffrey Vance Martin, Chair Stephanie Rutherford, Discussant
Thursday 3/31/16	10:20 AM	3253 Political Ecology of Multi-Species Spaces: Contestation and Cohabitation 2 "It is eating as we eat": The political ecology of Banana Xanthomonas Wilt in western Uganda	Powell Room A Hilton Hotel 6th Floor	Sara Cavallo	Jennifer K. Sedell Jeffrey Vance Martin, Chair Stephanie Rutherford, Discussant

ANGSG Sponsored Events

Day	Time	Title	Location	Presenter	Chair/Organizers
Thursday 3/31/16	10:40 AM	3253 Political Ecology of Multi-Species Spaces: Contestation and Cohabitation 2 Epistemological nudity and ethnographic strategies: Derrida and Cixous at the farm animal sanctuary. Or, Chickens And How They Are So Good	Powell Room A Hilton Hotel 6th Floor	Heather Rosenfeld	Jennifer K. Sedell Jeffrey Vance Martin, Chair Stephanie Rutherford, Discussant
Thursday 3/31/16	11:00 AM	3253 Political Ecology of Multi-Species Spaces: Contestation and Cohabitation 2 Transgressive Ingestion: Risks and Rewards on the Poison Path	Powell Room A Hilton Hotel 6th Floor	Harlan Morehouse	Jennifer K. Sedell Jeffrey Vance Martin, Chair Stephanie Rutherford, Discussant
Thursday 3/31/16	1:20 PM	3453 Political Ecology of Multi-Species Spaces: Contestation and Cohabitation 3 More-than-human ecological commoning practices across private land tenure: tensions between enclosure and an emerging ethos of care	Powell Room A Hilton Hotel 6th Floor	Benjamin Cooke Ruth Lane	Jennifer K. Sedell Jeffrey Vance Martin, Chair Timothy Hodgetts, Discussant
Thursday 3/31/16	1:40 PM	3453 Political Ecology of Multi-Species Spaces: Contestation and Cohabitation 3 Constraining Encounters: Management and Knowledge Practices on Private Lands in Texas	Powell Room A Hilton Hotel 6th Floor	Karin Patzke	Jennifer K. Sedell Jeffrey Vance Martin, Chair Timothy Hodgetts, Discussant
Thursday 3/31/16	2:00 PM	3453 Political Ecology of Multi-Species Spaces: Contestation and Cohabitation 3 Quantifying Landscape-Scale Human Impacts on Habitat Connectivity: Implications for Wildlife Movement and Property Management	Powell Room A Hilton Hotel 6th Floor	Morgan Gray Adina M. Merenlender	Jennifer K. Sedell Jeffrey Vance Martin, Chair Timothy Hodgetts, Discussant
Thursday 3/31/16	2:40 PM	3453 Political Ecology of Multi-Species Spaces: Contestation and Cohabitation 3 Necklace or a NOOSE - Political Ecology of Elephant-Human Conflict (EHC) in Kodagu, South India	Powell Room A Hilton Hotel 6th Floor	Prashant Hedao	Jennifer K. Sedell Jeffrey Vance Martin, Chair Timothy Hodgetts, Discussant
Thursday 3/31/16	3:20 PM	3553 Political Ecology of Multi-Species Spaces: Contestation and Cohabitation 4 Discussant	Powell Room A Hilton Hotel 6th Floor	Harold Alan Perkins	Jennifer K. Sedell Jeffrey Vance Martin, Chair Harold Alan Perkins, Discussant
Thursday 3/31/16	3:40 PM	3553 Political Ecology of Multi-Species Spaces: Contestation and Cohabitation 4 'Not in Towns Please!': Contested political ecologies of 'swiftlet farming' in George Town, Malaysia	Powell Room A Hilton Hotel 6th Floor	Creighton Connolly	Jennifer K. Sedell Jeffrey Vance Martin, Chair Harold Alan Perkins, Discussant
Thursday 3/31/16	4:00 PM	3553 Political Ecology of Multi-Species Spaces: Contestation and Cohabitation 4 Cultures of Nature, Non-human Presence and the Construction of Public Space in Lisbon, Portugal.	Powell Room A Hilton Hotel 6th Floor	Archie Davies	Jennifer K. Sedell Jeffrey Vance Martin, Chair Harold Alan Perkins, Discussant
Thursday 3/31/16	4:20 PM	3553 Political Ecology of Multi-Species Spaces: Contestation and Cohabitation 4 The 'Animal Turn' in Indian Urban Planning: Planning Theory 'Going to the Dogs'	Powell Room A Hilton Hotel 6th Floor	Yamini Narayanan	Jennifer K. Sedell Jeffrey Vance Martin, Chair Harold Alan Perkins, Discussant
Thursday 3/31/16	4:40 PM	3553 Political Ecology of Multi-Species Spaces: Contestation and Cohabitation 4 Pigeon fancy: charting the changes in an iconic urban species across space and time.	Powell Room A Hilton Hotel 6th Floor	John-Henry Pitas	Jennifer K. Sedell Jeffrey Vance Martin, Chair Harold Alan Perkins, Discussant
Thursday 3/31/16	5:20 PM	3653 Political Ecology of Multi-Species Spaces: Contestation and Cohabitation 5 Discussant	Powell Room A Hilton Hotel 6th Floor	Rosemary-Claire Collard	Jennifer K. Sedell Jeffrey Vance Martin, Chair Rosemary-Claire Collard, Discussant
Thursday 3/31/16	5:40 PM	3653 Political Ecology of Multi-Species Spaces: Contestation and Cohabitation 5 A beastly veterinary medicine: Situating and resisting 'the animal' in a UK vet school	Powell Room A Hilton Hotel 6th Floor	Megan Martha Donald	Jennifer K. Sedell Jeffrey Vance Martin, Chair Rosemary-Claire Collard, Discussant

ANGSG Sponsored Events

Day	Time	Title	Location	Presenter	Chair/Organizers
Thursday 3/31/16	6:00 PM	3653 Political Ecology of Multi-Species Spaces: Contestation and Cohabitation 5 "Natural Born Killers": the framing of feral, stray and pet cats in Auckland City.	Powell Room A Hilton Hotel 6th Floor	Linda Madden	Jennifer K. Sedell Jeffrey Vance Martin, Chair Rosemary-Claire Collard, Discussant
Thursday 3/31/16	6:40 PM	3653 Political Ecology of Multi-Species Spaces: Contestation and Cohabitation 5 Living well with animals in the posthuman polis: Aristotle, biosemiotics, and human-animal relations	Powell Room A Hilton Hotel 6th Floor	Ike Sharpless	Jennifer K. Sedell Jeffrey Vance Martin, Chair Rosemary-Claire Collard, Discussant
Thursday 3/31/16	6:20 PM	3653 Political Ecology of Multi-Species Spaces: Contestation and Cohabitation 5 The irreducible inbetweenness of the coywolf	Powell Room A Hilton Hotel 6th Floor	Stephanie Rutherford	Jennifer K. Sedell Jeffrey Vance Martin, Chair Rosemary-Claire Collard, Discussant
Friday 4/1/16	8:00 AM	4152 Imagining the future of animal farming: Natureculture and technosciences 1 The future of livestock production: people, policy and the quest for sustainable intensification	Mason B Hilton Hotel 6th Floor	Ruth Ann Little	Mara Miele, Chair Karolina Rucinska Connie Johnston, Discussant
Friday 4/1/16	8:25 AM	4152 Imagining the future of animal farming: Natureculture and technosciences 1 Animalian Life Inc.: unpacking 'local', 'happy', 'natural' beef@	Mason B Hilton Hotel 6th Floor	Paolo Giaccaria	Mara Miele, Chair Karolina Rucinska Connie Johnston, Discussant
Friday 4/1/16	8:45 AM	4152 Imagining the future of animal farming: Natureculture and technosciences 1 A return to the animal machine?	Mason B Hilton Hotel 6th Floor	Henry Buller	Mara Miele, Chair Karolina Rucinska Connie Johnston, Discussant
Friday 4/1/16	10:00 AM	4252 Imagining the future of animal farming: Natureculture and technosciences 2 Global Health Experimentation and the Articulation of Life on a Vietnamese Poultry Farm	Mason B Hilton Hotel 6th Floor	Natalie Hannah Porter	Mara Miele, Chair Karolina Rucinska Henry Buller, Discussant
Friday 4/1/16	10:20 AM	4252 Imagining the future of animal farming: Natureculture and technosciences 2 Bovines in the Integrated Circuit: When Farm Animals Tweet	Mason B Hilton Hotel 6th Floor	Scott Calvert	Mara Miele, Chair Karolina Rucinska Henry Buller, Discussant
Friday 4/1/16	10:40 AM	4252 Imagining the future of animal farming: Natureculture and technosciences 2 Greening the animal: the case of the enviropig	Mason B Hilton Hotel 6th Floor	Mara Miele Karolina Rucinska	Mara Miele, Chair Karolina Rucinska Henry Buller, Discussant
Friday 4/1/16	11:00 AM	4252 Imagining the future of animal farming: Natureculture and technosciences 2 Many meats, many milks, many mayos? The proliferation and closing down of ontologies	Mason B Hilton Hotel 6th Floor	Erik Jonsson	Mara Miele, Chair Karolina Rucinska Henry Buller, Discussant
Friday 4/1/16	3:20- 5:00 PM	4552 Vegan Geographies Living well with animals in the posthuman polis: Aristotle, biosemiotics, and human-animal relations	Mason B Hilton Hotel 6th Floor	Panelists Ophélie Electre Véron Anthony Levenda Heather Rosenfeld Paul Hodge Kathryn Gillespie Richard White	Simon Springer, Chair Ophélie Electre Véron Richard White
Friday 4/1/16	11:50 AM- 1:10 PM	ANGSG Business Meeting	Nikko Ballroom II Hotel Nikko 3rd Floor	Mona Seymour	ANGSG
Friday 4/1/16	1:20-3:00 PM	ANGSG Plenary Zoopolis: A Multispecies Urban History	Nikko Ballroom II Hotel Nikko 3rd Floor	Julie Urbanik Jennifer R. Wolch Krithika Srinivasan Harvey Neo Paolo Giaccaria Mazan Labban	Jody Emel Mona Seymour Susan Ruddick, Discussant
Friday 4/1/16	6:00-8:00 PM	ANGSG Social	Tonga Room Hurricane Bar Fairmont Hotel 950 Mason St		ANGSG

More Animal-Related Events

Day	Time	Title	Location	Presenter	Chair/Organizers
Tuesday 3/29/16	2:40-4:20 PM	1564 Biopower in Practice: empirical engagements with Foucault 2	Nikko Ballroom 1 Hotel Nikko 3rd Floor	Christine Barnes	Christine Barnes Amiera Sawas
Tuesday 3/29/16	4:40 PM	1680 Nationalism: Future directions and new questions Nationalism, Resistance, and the Horse in Finland	Vienna South Marker Hotel Lower Level	Pauliina Raento	Natalie R. Kock Pauliina Raento Gerard Toal, Chair
Wednesday 3/30/16	8:00 AM	2102 Education for Spatial Citizenship. Including the political domain in geomeia supported education Humane Pennsylvania: GIS and Social Media-Based Service Learning	Golden Gate 2 Hilton Hotel Lobby Level	Gary Coutu	Thomas Jekel, Chair Inga Gryl
Wednesday 3/30/16	8:00 AM	2185 Fulfilling the promise of anarchist geographies I: praxis and the politics of everyday life Anarchist Geographies of Veganism: Towards an Everyday Praxis of Resistance	Metropolitan C JW Marriott Hotel 2nd Floor	Ophélie Electre Véron	Simon Springer, Chair Anthony Ince Nathan L. Clough
Wednesday 3/30/16	9:00 AM	2185 Fulfilling the promise of anarchist geographies I: praxis and the politics of everyday life Anarchism's Posthuman Future	Metropolitan C JW Marriott Hotel 2nd Floor	Erika Cudworth Stephen Charles Hobden	Simon Springer, Chair Anthony Ince Nathan L. Clough
Wednesday 3/30/16	11:00 AM	2231 Tourism and Sense of Place (II) Wildlife, sense of place and the construction of mountain landscape : perspectives from nature-based tourism	Union Square 4 Hilton Hotel 4th Floor	Laine Chanteloup	Patrick Brouder Laine Chanteloup, Chair
Wednesday 3/30/16	1:20 PM	2465 Mapping and Modeling Animal Geographies Gone to ground: foraging dynamics of California Condors (<i>Gymnogyps californianus</i>) in the human-dominated landscape of Southern California	Nikko Ballroom II Hotel Nikko 3rd Floor	Jonahan C. Hall Melissa Braham Joseph Brandt Todd E. Katzner Tricia Miller Adam Duerr Michael Lanzone Sharon Poessel Andrew McGann	Dawn Nekorchuk, Chair
Wednesday 3/30/16	1:20 PM	2452 J. W. Nystrom Award Competition Murderous Jaguars, King Cats, and Ghostly Tigres: Emergent Rhetorics of Conservation in the early Twentieth Century	Mason B Hilton Hotel 6th Floor	Sharon Wilcox	Fred M. Shelley, Chair
Wednesday 3/30/16	1:20 PM	2465 Mapping and Modeling Animal Geographies Mapping resource selection functions in wildlife studies: Concerns and recommendations	Nikko Ballroom II Hotel Nikko 3rd Floor	Lillian Morris Kelly M. Proffitt	Dawn Nekorchuk, Chair
Wednesday 3/30/16	2:00 PM	2465 Mapping and Modeling Animal Geographies Spatiotemporal analyses of American three-toed woodpeckers and bark beetle outbreaks in the Rocky Mountains of Colorado	Nikko Ballroom II Hotel Nikko 3rd Floor	Julia Hicks Victoria Saab Patrick Kelly Thomas T. Veblen	Dawn Nekorchuk, Chair
Wednesday 3/30/16	2:20 PM	2465 Mapping and Modeling Animal Geographies At the trough: evaluating deer movements and feeder usage during the epizootic hemorrhagic disease virus transmission period	Nikko Ballroom II Hotel Nikko 3rd Floor	Jason K. Blackburn Katherine Saylor Hannah Cutright Nathan D. Burkett-Cadena Bethany McGregor Samantha Wisely	Dawn Nekorchuk, Chair
Wednesday 3/30/16	2:40 PM	2465 Mapping and Modeling Animal Geographies Resource Selection of Bison and Anthrax Management Implications in Southwest Montana	Nikko Ballroom II Hotel Nikko 3rd Floor	Lillian R. Morris Kelly M. Proffitt Wayne M. Gertz Sadie J. Ryan Jason K. Blackburn	Dawn Nekorchuk, Chair
Wednesday 3/30/16	3:20 PM	2561, 2661 Human Geography Poster Session I Poster 096: Coaching for Conservation: An Analysis of Local Challenges of the Rhino Poaching Crisis in South Africa	Grand Ballroom A/B Hilton Hotel Grand Ballroom Level	Mike Slattery Lauren M. Geffert	AAG

More Animal-Related Events

Day	Time	Title	Location	Presenter	Chair/Organizers
Thursday 3/31/16	5:20 PM	3607 Polar Issues III: Geospatial Analysis of Human-Environmental Systems Satellite telemetry as a method for analyzing Rangifer t. tarandus winter migration in the Russian Arctic	Golden Gate 7 Hilton Hotel Lobby Level	Emily T. Francis Andrey N. Petrov Leonid A. Kolpashchikov Pavel Kochkarev Michael Madsen	Emily Francis Kelsey Nyland Andrey N. Petrov, Chair
Friday 4/1/16	8:00 AM	4161,4261 Physical Geography Poster Session II Poster #004: Cluster Analysis of Foraging Sites for the California Condor	Grand Ballroom A/B Hilton Hotel Grand Ballroom Level	Cara Steger Julia Klein Anne Nolin Robin Reid	Kim Ward, Chair
Friday 4/1/16	3:20 PM	4560 Sites and Scales of Animal Geographies Bounding Wildlife: Mobile Nature, Applied Ecology, and the Montana Department of Fish and Game in the Yellowstone River Basin, 1972-1978.	VanNess Room Hilton Hotel 6th Floor	Nick Bergmann	Kim Ward, Chair
Friday 4/1/16	3:40 PM	4560 Sites and Scales of Animal Geographies Ideological Critique and Representative Politics of the Vancouver Aquarium	VanNess Room Hilton Hotel 6th Floor	Noel Hawkins	Kim Ward, Chair
Friday 4/1/16	4:00 PM	4560 Sites and Scales of Animal Geographies Beastly Natures and Creaturely Spaces of Pyongyang: Animal Geographies of North Korea	VanNess Room Hilton Hotel 6th Floor	Robert James Winstanley -Chesters	Kim Ward, Chair
Friday 4/1/16	4:20 PM	4560 Sites and Scales of Animal Geographies Landscapes of fear: Spatial patterns of risk perception and response by non-human animals	VanNess Room Hilton Hotel 6th Floor	Kaitlyn M. Gaynor	Kim Ward, Chair
Friday 4/1/16	4:40 PM	4560 Sites and Scales of Animal Geographies The logics of biocontrol: campylobacter and the political economy of chicken	VanNess Room Hilton Hotel 6th Floor	Kim J. Ward	Kim Ward, Chair
Saturday 4/1/16	2:00 PM	5442 Affect, Politics, and the Spaces of Embodied Practice 1 Abyssal Logics: Microbial Deaths and Affect in Scientific Practices	VanNess Room Hilton Hotel 6th Floor	Astrid Schrader	Nathan L. Clough, Chair
Friday 4/1/16	5:20 PM	4644 Agriculture, Environment, and Health Pigs in Space: Determining the Environmental Justice Landscape of Swine Concentrated Animal Feeding Operations (CAFOs) in Iowa	Union Square 17 Hilton Hotel 4th Floor	Margaret Carrel Sean G. Young Eric Tate	Neng Wan, Chair
Friday 4/1/16	5:20 PM	4648 [Spatiotemporal Symposium] Time Geography: New Challenges and Opportunities (III) Optimally locating wildlife crossing structures: a wildlife movement approach	Union Square 21 Hilton Hotel 4th Floor	Margaret Carrel Sean G. Yougn Eric Tate	Hongbo Yu, Chair Kajsa Ellegard Shih-Lung Shaw
Friday 4/1/16	6:40 PM	4683 The Agency of Place IV Live, Work, and Play: The Significance of Place-Making in Cultivating Human-Non-human Predator Relations in the Greater Yellowstone Ecosystem	Metropolitan A JW Marriott Hotel 2nd Floor	Hannah Jaicks	Soren Larsen, Chair Jay T. Johnson
Saturday 4/1/16	8:40 AM	4153 Geographies of Media XIV: Media, governmentality, and managing the 'more than human' environment Representation of human-leopard conflict in India across local, national, & international media	Powell Room A Hilton Hotel 6th Floor	Kalli Doubleday	Nathan L. Clough, Chair
Saturday 4/1/16	9:00 AM	5159 Asphalt Jungle? Untangling Urban Foodscapes Abyssal Logics: Microbial Deaths and Affect in Scientific Practices	Lombard Room Hilton Hotel 6th Floor	Jennifer Blecha	RDK Herman Garrett Grady-Lovelace, Chair
Saturday 4/1/16	2:00 PM	5442 Affect, Politics, and the Spaces of Embodied Practice 1 e than human" environment Abyssal Logics: Microbial Deaths and Affect in Scientific Practices	Powell Room A Hilton Hotel 6th Floor	Astrid Schrader	J. Jesse Minor, Chair J. Jesse Minor and Joseph Palis