

FOREST AND WILDLIFE ECOLOGY NEWS

A Newsletter for Dept. of Forest & Wildlife Ecology Staff, Students, Alumni, and Friends

News from the Chair

This is our first newsletter in a while, so it is jammed packed with news and updates about students, faculty, staff, and alumni. It is continually amazing what we accomplish in a year. Beyond what you'll find in this edition, I have two notable items to share.



Mark Rickenbach

First, I would like to welcome Karie Cherwin as our new alumni relations and outreach specialist. She joins us most recently from Colorado, but has roots in Black River Falls, WI. Expect a bio in the fall newsletter.

Second, the Forest Science major was reaccredited by the Society of American Foresters through 2027. Many thanks to Associate Professor Adena Rissman, student services coordinator Sara Rodock, and former faculty associate Autumn Sabo for leading us through the process.

As always, we appreciate hearing from you, so do drop us a line. Also, we've benefited greatly from your collective generosity. Should you like to make a gift to the department you can contact us for details or simply go to: go.wisc.edu/supportfwecology.



Snapshot Wisconsin

The Department partners with Wisconsin DNR to monitor wildlife across the state

By Karie Cherwin

Natural resource agencies are responsible for protecting wildlife populations and the natural habitats in which they live. To this end, wildlife managers need vast amounts of quality data to make informed decisions. For example, wildlife game managers need information on distributions of numerous species to determine accurate harvest quotas. Furthermore, conservation professionals require data on population densities and species distributions to assess population viability and detect potential threats. However, data such as these are often difficult to obtain.

To improve the understanding of species distributions and population densities across the state of Wisconsin, several members of the Department of Forest and Wildlife Ecology



(F&WE) have partnered with the Wisconsin Department of Natural Resources (WDNR) on an initiative called, Snapshot Wisconsin.

Snapshot continues on page 11

Alumni News

Jade Arneson (B.S. Wildlife Ecology 2015) became an intern at the Nature Conservancy in Sturgeon Bay, WI where she served as the land steward for the Nature Conservancy's priority areas along the Door Peninsula. In this role, Jade performed invasive species monitoring and control, conducted flora and fauna surveys, directed Door Stewardship Alliance volunteers, and compiled outreach materials and reports. After this internship, she volunteered for



Jade Arneson

the U.S. Fish and Wildlife Service (USFWS) in Green Bay, WI, which eventually led to a temporary position as a Biological Science Technician for the Salmon and Trout

Mass Marking Program. She is now on her fourth season at the USFWS. For a brief time between her LTE positions with the USFWS, she worked for the UW-Madison Department of F&W Ecology on Dr. Zach Peery's California Spotted Owl monitoring project in the central Sierra Nevada Mountains.

Neil Oedzes (B.S. Wildlife Ecology 2004) was hired by the U.S. Fish and Wildlife Service as a Federal Wildlife Officer for the National Wildlife Refuge System. He is stationed at the Audubon Refuge in North Dakota, doing what he loves to do – protecting wildlife.

Mark Smith (M.S. Wildlife Ecology 1989; PhD Wildlife Ecology/Zoology 2002) retired from the U.S. Army on

Alumni news continues on page 7

Department News

Two faculty members receive promotions

Congratulations to Drs. Benjamin Zuckerberg and Jonathan Pauli who were both promoted to Associate Professor with tenure. Zuckerberg received his PhD from the State University of New York College of Environmental Science and Forestry in Syracuse, NY. He then became a postdoctoral researcher at Cornell University. Zuckerberg was an Adjunct Assistant Professor at the State University of New York and Michigan State University before joining the Department of Forest and Wildlife



Dr. Benjamin Zuckerberg

Ecology in 2012. His research focuses on modern climate change and habitat loss. Pauli received his PhD from the University of Wyoming in Laramie, WY and then became a postdoctoral fellow in the Department of Forest and Wildlife Ecology at the University of Wisconsin-Madison. In 2010, he became an Assistant Professor in the Department. His research is centered around mammalian ecology and conservation.



Dr. Jonathan Pauli

Peery granted Vilas Mid-Career Investigator Award



Dr. Zach Peery holding a marbled murrelet.

Associate Professor Zach Peery was selected from nominees across campus to receive the Vilas Faculty Mid-Career Investigator Award. Among the most prestigious honors granted by the university, this award recognizes the strong research performance and scholarly impact of the recipient. Peery uses ecological, genetic, and population modeling techniques to address the conservation of threatened and endangered wildlife.

Nack receives Don Rusch Memorial Award

Jamie Nack, Extension Senior Wildlife Outreach Specialist, was awarded the Don Rusch Memorial Award at the 78th Midwest Fish and Wildlife Conference. This award is presented to a nominee who has made an outstanding contribution to wildlife conservation. To be eligible, the nominee must be a wildlife professional actively working in the field of management, research, or education in the State of Wisconsin, a member in good standing of the Wisconsin Chapter of The Wildlife Society, and an active participant in or a strong supporter of the role of hunting in wildlife conservation.

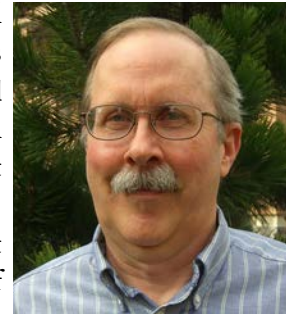


Jamie Nack (right) holding her award at Midwest Fish and Wildlife Conference.

Stanosz recognized for “going the extra mile”

Professor Glen Stanosz was chosen to receive the Arthur J. and Ellen A. Maurer Extra Mile Award. The Extra Mile Award is given to an individual who

has demonstrated exceptional concern for students and has provided service far beyond the call of duty. Nomination letters and letters of support must come from students. Stanosz received the award at the 2018 College of Agricultural and Life Sciences Awards Program.



Glen Stanosz

Drake featured in PBS Nature TV program

David Drake, Professor and Extension Wildlife Specialist, appeared in “Fox Tales,” an episode of the PBS Nature TV program in October 2017. “Fox Tales” highlighted scientific research that examines the intelligence and adaptability of red foxes in urban environments. Drake discussed the ways in which his Urban Canid Project is looking at foxes and coyotes in Madison, WI. View a clip of the broadcast at www.pbs.org.



Arlie (Bill) Schorger (1884-1972) inducted into the Wisconsin Conservation Hall of Fame

by WCHF



As a man of many talents, Arlie (Bill) Schorger excelled as a chemist, inventor, businessman, and wildlife conservationist. In conservation circles he is most well-known for his work as a nature historian and for his books on the life histories of Wisconsin's Wildlife and man's impact on them. His 1955 award winning book, *The Passenger Pigeon: Its Natural History and Extinction* helped advance a global concern for wildlife management, biodiversity and the new field of conservation biology.

He became a Professor of Wildlife Management after retiring from his business career in paper chemistry and devoted the rest of his productive life to advancing conservation through his research and writings. As a personal friend of Aldo Leopold, he also played a pivotal role in launching Leopold's career and conservation legacy.

He was also known for his public service, philanthropy, and leadership in state and national conservation organizations. He served on the Wisconsin State Conservation Commission (now the Wisconsin DNR Board) and as President of the Wisconsin Academy of Science, Art and Letters. As a philanthropist, he contributed to many conservation, literary and civic programs.

The Wisconsin Conservation Hall of Fame induction ceremony was held April 14th, 2018 at the Sentry Theater in Stevens Point, WI.

Townsend lab participates in junior MANRRS

Professor Phil Townsend's lab hosted a lab demonstration for high school students participating in the junior Minorities in Agriculture, Natural Resources, and Related Sciences (MANRRS) leadership day at UW-Madison. The junior MANRRS program is designed to stimulate an interest in the fields of science, technology, engineering, agriculture, and mathematics (STEAM), and to encourage students in grades 7-12 to pursue these fields in college. Members of the Townsend lab led the high school students in making artificial leaves, showing how the use of spectroscopy can be scaled from an individual leaf to an entire ecosystem.



Graduate students in the Townsend lab show junior MANRRS students how light spectroscopy can be used in ecological research.

Allison recognized by WI Council on Forestry

Adjunct Professor Bruce Allison was recognized for his five years of service on the Wisconsin Council on Forestry at its meeting on May 18, 2017 at the Forest Products Laboratory. Council Chair Henry Schienebeck presented Bruce a plaque. Bruce stepped down earlier in 2017 after serving as the urban forestry representative on the Council.



R. Bruce Allison receiving a plaque from Council Chair Henry Schienebeck. Photo credit: Troy Brown

Van Deelen teaches Animal Populations course in Beijing, China

Professor Tim Van Deelen was invited to teach a short course in Animal Populations by the School of Life Sciences at Peking University (PKU) in Beijing, China in 2017. The course was a condensed version of the Animal Population Dynamics course (F&WE 655) that he teaches each spring. Students were graduate students and advanced undergrads from the School of Life Sciences. The invitation was

motivated by a friendship with PKU faculty members Wang Dajun and Li Sheng that grew out of a collaboration to study Asiatic black bears. This was the fourth trip that Van Deelen has made to China as a faculty member.



Van Deelen takes a selfie with his Animal Populations class in China.

Student News

Brunk and Queally receive GRFP awards

The Department proudly recognizes two NSF Graduate Research Fellowship Program (GRFP) winners. Kristin Brunk, co-advised by Drs. Anna Pidgeon and Zach Peery, and Natalie Queally, advised by Dr. Phil Townsend, were selected from a highly competitive application pool to receive these awards. NSF's GRFP provides support to exceptional graduate students who have demonstrated their potential for significant achievements in research.

The title of Kristin's proposal was, "Do Nice Jays Finish Last: Diagnosing the Causes of Undermatching in a Synanthropic Species." In this project, Kristin plans to further explore basic theories of habitat selection and resource matching in a somewhat novel ecosystem - one where abundant anthropogenic food subsidies may be shaping habitat quality and resulting in changes to

the social structure of her study species, the Steller's Jay (*Cyanocitta stelleri*). Specifically, she will be exploring if dominance in these birds confers an actual fitness benefit, or if even sub-dominant birds are able to be "winners" in this modified system.

The title of Natalie's project is, "Investigating the Influence of Plant Functional Trait Distribution on Vegetation Response to Drought Using Imaging Spectroscopy." Using imaging spectroscopy, Natalie will investigate the interactions between vegetation mortality, species composition, and functional traits in an ecosystem, located in the Santa Monica Mountains of California, that has suffered from the pressure of a changing climate. Specifically, she will address the following question: Does pre-drought trait distribution explain the susceptibility to mortality of different species during a time of drought?

Biehlmann secures internship for women in conservation

This summer, undergraduate Wildlife Ecology student Cybill Biehlmann will work with the Vermont Youth Conservation Corp on an all-female



Cybill Biehlmann

Spike Leadership Development Crew. Her crew will do two 4-week "spikes" during which time they'll be camping and working on various conservation projects. This internship is focused on fostering confidence and experience for females in a primarily male-dominated field.

Gabby Zaldumbide receives Wildlife & Conservation internship

Gabby Zaldumbide, an undergraduate Wildlife Ecology student, was selected for the 2018 North American Wildlife & Conservation Internship with the Wildlife Management Institute from March 25-31 in Norfolk, Virginia. For this internship, Gabby will assist in monitoring functions and meetings at the

North American Wildlife and Natural Resources Conference.

Joshi heads to Namibia, Africa for summer internship with CCF

Mudit Joshi, an undergraduate Wildlife Ecology student will be spending his summer in Namibia, Africa, as an intern for the Cheetah Conservation Fund (CCF), the world's leading cheetah research and conservation organization. Look for a more in-depth description of his experience in the Fall newsletter.

All Eyes on Us art exhibit at UW Arboretum

This Spring, Wildlife Ecology student Auna Kaufmann-Schwartz displayed her original acrylic paintings in an art exhibit titled, *All Eyes on Us*, in the Steinhauer Trust Gallery at the UW Arboretum. All of Auna's pieces were of native WI wildlife.



Auna Kaufmann-Schwartz

Gavin Jones makes the "ornithological sweep"

Gavin Jones, a graduate student in Dr. Zach Peery's lab, won the Robert B. Berry Award at the 2018 American Ornithological Society (AOS) meeting in Tucson, AZ. The Berry Award is given for the best student oral presentation on avian conservation. The talk was titled, "Declining old-forest species as a legacy of large trees lost." This follows last year's British Ornithologists' Union (BOU) meeting held in Warwick, England, where Gavin won Best Talk by an Early Career Researcher. His talk at the BOU meeting was titled, "Movement, population impacts, and emerging mega-disturbances: burning questions about spotted owls and fire." Some refer to taking home these two awards as making the "ornithological sweep."

Anhalt-Depies awarded The Aldo Leopold Memorial Graduate Scholarship

Christine Anhalt-Depies, Ph.D. student co-advised by Drs. Adena Rissman and Mark Rickenbach, was awarded The Aldo Leopold Memorial Graduate

Scholarship at the 2018 Midwest Fish & Wildlife Conference. The award is given to a graduate student who has made a commitment to the wildlife profession, has successfully completed the initial stages of their formal education, and has shown exceptional commitment to developing themselves professionally, and in doing so, honors the memory of Aldo Leopold.



Anhalt-Depies (right) presented with Aldo Leopold Scholarship

Award and scholarship recipients

Michael Hardy and Julia Poje were recognized at the 2017 Ruffed Grouse Society banquet for receiving \$800 Terry Amundson scholarships.

Catalina Munteanu was granted the Professor Kyung Joon Lee Award and \$1,000 for Best Paper by a Forestry Graduate Student. Catalina has been an outstanding PhD student and her dissertation has become an instant classic in her field.

Amy Flansberg received the George Kress Award and \$1,000 for Outstanding Contribution of a Forestry Graduate Student. Amy has been an exceptional contributor to the Department's teaching mission. Amy took over sole teaching responsibility for F&WE 550 (Forest Ecology) during Dr. Phil Townsend's temporary assignment to the Jet Prolusion Laboratory.

Kymi Draeger and Amy Shipley were granted Merrill & Emta Hastings Foundation Awards for Outstanding Women Graduate Students, each receiving \$1,000. Kymi has provided her own support, previously through the generosity of the Bill and Melinda Gates Foundation, and now as a teaching assistant. Amy has served as a strong mentor for undergraduate students in our department and supervised two independent study projects on grouse. Amy also works closely with DNR managers at Sandhill Wildlife Management area and engages volunteers in helping track grouse.

Best Dissertation and McCabe-Keith Awards

The 2017 Best Dissertation Award (BDA) winner for Forestry was Catalina Munteanu, advised by Dr. Volker Radeloff, for her dissertation titled, "Long-term land use trends and their legacies in the Carpathian Region of Eastern Europe". The 2017 BDA winner for Wildlife was Brendan Reid, advised by Dr. Zach Peery, for his dissertation titled, "Genetics and Demography of Wisconsin Turtles: From Landscape to Local. BDA winners are selected based on the originality and intellectual merit of their research, as well as the potential for student to make a unique contribution to their field. Each recipient received an award of \$500.

The McCabe-Keith scholarship is given to Wildlife graduate students who demonstrate outstanding academic performance. Each recipient receives an award of \$750. The 2017 recipients were Chris Latimer, advised by Dr. Ben Zuckerberg and Rachel Harris, advised by Dr. Scott Lutz.

Student Chapter of The Wildlife Society receives Chapter of the Year Award

Congratulations to the UW-Madison Student Chapter of The Wildlife Society (TWS) for receiving the North Central Section (NCS) Student Chapter of the Year Award. This award is presented by NCS each year to one outstanding student chapter for its valuable contributions to TWS. This is a commendable honor for the UW-Madison Chapter as the NCS spans eight states and includes 27 student chapters.



Student Chapter of TWS received Chapter of the Year plaque. From left: Megan Kruse, Siena Muehlfeld, Dr. Tim Van Deelen (club's Faculty Advisor), Valerie Knurr, Kristina Kennedy, and Scout Kirby.

Alumni News

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Sep 30, 2017 after serving 32 years, 22 years on active duty. Smith's last duty station was a 12-year assignment at the U.S. Military Academy, West Point as a Professor in the Department of Geography and Environmental Engineering. At the Academy he taught Ecology, Environmental Science, Natural Hazards and Risk, Physical Geography, Environmental Engineering Technologies, and Environmental Engineering for Developing Communities. He is currently employed as a Project Engineer for a construction company building high performance, green buildings in Seattle, WA.

With sadness we report that **Bruce H. Ambuel** (M.S. Wildlife Ecology 1981) passed away on January 10, 2018 at the age of 65 from cancer. In the Department, Bruce was advised

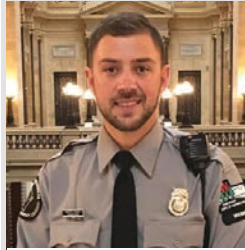
by Stan Temple. He later completed a PhD in Psychology and

became the Director of Behavioral Science Education at the Waukesha Family Residency Program from 1990-2012. In retirement, he pursued his love of fine arts photography.



Bruce H. Ambuel
(6/19/1952 - 1/10/2018)

Josh Litvinoff (B.S. Wildlife Ecology 2014) was sworn in as a



Josh Litvinoff

WI DNR conservation warden. He is stationed in eastern Marathon County. Josh previously completed training in Green, Polk, and Racine counties.

Donald Dickmann (Ph.D. Forestry/Botany 1969) has retired after serving on the faculty of the Department of Forestry at Michigan State University for over 40 years. He achieved the rank of Professor and taught courses in silviculture, tree physiology, ecology, and Michigan's forests. After being semi-retired for six years, he was called upon to serve as Acting Department Chair in 2010-11. He is the author of over 100 scientific papers and bulletins and author or co-author of five books, including *The Forests of Michigan*, whose second edition was published in summer 2016. He received the MSU Faculty Emeriti Association "Outstanding Contributions by an Individual" Award for 2015-2016. He and his wife live in Haslett, Michigan, and they own a condominium on Lake Michigan in the Upper Peninsula, where they spend much of the summer. He is active locally as a volunteer at township nature preserves, as president of the local Porsche

Club, and as a member of the board of directors of the Capital Area Audubon Society.

In a career of more than three decades, **Penni Klein** (B.S. 1984) has epitomized being a leader in parks and recreation from her first supervisory experience through her years as a Park Manager, through her retirement in 2016 after 16 years as the Public Lands Manager for the City of Middleton. Steve Thompson, of the WI Parks & Recreation Association, portrays Penni's leadership, stating she "is a 'professional's professional'". She not only is looked upon as the primary resource for the State of WI, but also the nation, as it relates to parkland developments, partnerships and collaborations, legislative approaches, financial initiatives, and more for parks, natural resources and recreation." Under Penni's leadership, the Public Lands, Recreation and Forestry Dept. became nationally recognized in the field, including numerous awards, 4 consecutive national finalist designations from the National Recreation & Park Administration for the Gold Medal for small park/recreation operations, inspiring the department's national certification process and initiating the founding of the Middleton Area Public Lands Endowment (MAPLE). The city honored Penni with the naming of Penni Klein Park and declaration of Penni Klein Day in Middleton on May 16, 2017.

Jed Meunier (M.S. Wildlife Ecology 2005) went on to complete a PhD in ecology from Colorado State University in Fort Collins, CO, and is currently a research scientist specializing in forest and fire ecology at the WI DNR. He recently co-edited a book titled, *Aldo Leopold on Forestry and Conservation: Toward a Durable Scale of Values* (see New Books, page 10).

Tom Nicholls, former student and friend of the



Nicholls and his wife at the 2018 Midwest Fish & Wildlife Conference.

Department, received the Wisconsin Award from the WI Chapter of the The Wildlife Society. This award is the Chapter's highest recognition of a person or group that exemplifies the wildlife profession in our state. Nominees are

rated based on their overall achievements or service to the wildlife profession in the fields of management, research, teaching, public relations, or legislative direction.

Club Updates

Forestry Club

by Haley Knight

The Forestry Club kicked off the fall semester with another Forestry Fun Fest. Club members spent a warm fall morning learning how to operate a brush-cutter, throw hatchets, and operate chainsaws. Club members also learned how to press apples to make apple cider and enjoyed a few glasses, along with burgers and chips.

In November, the Forestry Club sent six club members to the 2017 Society of American Foresters (SAF) conference in Albuquerque, New Mexico. The students spent time in the Cibola National Forest when they weren't at the conference center learning and networking. The Forestry Club hopes to send more students to the 2018 SAF conference in Portland, Oregon. The Club also carried on the tradition of hosting 4th



Forestry Club students at the 2017 SAF Conference. From left: Riley Aschenbrenner, Nate Chotlos, Alden Laev, Sean Fischer, Mark Herbeck, and Zhixing Xu.

and 5th graders in the Lakeshore Nature Preserve. Club members taught the kids from Verona New Century School tree identification, diameter and height measurement, and ecology. The kids taught the forestry students patience and tested their forestry knowledge with their good questions.

The Club also sent 12 club members to Kemp Station to spend a chilly weekend getting their level 1 chainsaw certification. The students got the chance to cut down their own trees and everyone was awarded their chainsaw safety certificate.

The 44th Annual Christmas Tree Sale was a huge



44th Annual Christmas Tree Sale

success. The Club sold a record of 440 trees and 150 wreaths. A hearty thank you to the

volunteers and those who supported the club by purchasing a Christmas tree.

The Forestry Club has a few more events before students leave for their summer jobs and internships. The Club will host another outdoor learning event with the local 4th and 5th graders. Club members will also get the chance to learn how to climb a tree with Joe House, an alumnus and local arborist. The club will wrap up the school year with a grill out and kickball game against the Wildlife Society. The Club plans to put up a fierce battle to keep the Crow in the Tree Fort.

Student Chapter of The Wildlife Society

By Valerie Knurr

The UW Madison Student Chapter of The Wildlife Society (TWS) has had a busy spring semester. We started out with Conservation Warden Jake Donar, a UW Wildlife Ecology alum, speaking about his job and what it is like to work for the DNR. We had a lot of events including a tour of the CWD testing station in Black Earth, a Snap-a-thon in partnership with Snapshot



TWS volunteering with the DNR for the CWD Deer and Predator Study. From left: Siena Muehlfeld, Melissa Nelson, and Kristina Kennedy. Photo: Megan Petersohn

Wisconsin where teams competed to classify as many trail cam photos as possible, a trip to the UW Arboretum for Madison Reads Leopold and a hike, and an ice skating social with the Forestry Club. We also had former WDNR herpetologist and current director of Turtles for Tomorrow, Bob Hay, speak about Wood Turtle conservation. In April we had a Crafts for Conservation event in partnership with the Henry Vilas Zoo where our members created crafts out of snares from South East Asia that were being used to illegally trap Saolas. These crafts are sold to make money for Saola conservation efforts. We are also taking a trip to a Maple syrup festival at the Mackenzie Center and participating in Science Expeditions for an outreach event. We plan on attending a naturalist lead hike in Owen Conservation Park and cleaning up a highway segment on Earth Day. We will also be participating in the DNR citizen science Frog and Toad Survey and the Great Wisconsin Birdathon like we've done for many years.

This semester we have been focusing on getting as many people involved as possible, especially underclassmen. We did a member survey to see how we can improve our club. We followed that up

with an officer shadow meeting where members who were thinking about running for an officer position could experience an officer meeting and get a better understanding of the organization's leadership. We have also tried to increase the number of events we offer to so more people can participate, and members have more options. We hope these efforts will have a lasting impact on the club and keep members invested for years to come.



TWS ice skating at the Shell. From left: Dan Dyer, Kendl Kobbervig, Aunt Kaufmann-Schwartz, Megan Kruse, Scout Kirby, Valerie Knurr, Sawyer Boldt, Siena Muehlfeld, and Kristina Kennedy.

Wildlife ecology course in Mexico offers unique opportunity

The Department of Forest and Wildlife Ecology, together with the University of Guadalajara's Manantlán Institute of Ecology and Conservation of Biodiversity, has offered a study abroad course in wildlife ecology every other year since 2003. Since the inception of this program, over 100 students from UW-Madison have traveled to Mexico during their winter break to learn about the ecology, geography, and culture of western Mexico. In January 2017, 15 students participated in the course. This year there was a record number of applicants, with 26 students submitting their applications for the January 2019 course.

To prepare for the course, students are required to take the "Mexico pre-trip seminar" (F&WE 375) in the Fall semester before the course. The seminar is led by Forest and Wildlife Ecology instructor Jim Berkelman, who co-leads the course in Mexico with Eduardo Santana.

During their winter break, students head to the University of Guadalajara's Las Joyas Research Station in the Sierra de Manantlán Biosphere Reserve. At the

research station, UW-Madison students have the unique opportunity to interact with students and instructors from Guadalajara. Students in the course also gain a wide variety of ecological skills such as banding birds, mist-netting bats, trapping wildlife, and much more. They even get the chance to practice their photography skills. The photo below, picturing F&W Ecology students in the wildlife ecology field course in Mexico took 3rd place in the “Out in the Field” category of the CALS study abroad photo contest.

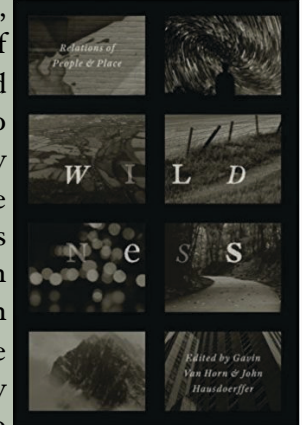
Read more about the Wildlife Ecology field course in Mexico in Eduardo Santana’s article, “101 and counting: Students gain hands-on wildlife ecology experience in Mexico study abroad course” that first appeared in ECALS (permission to use article by authors and Susan Huber Miller, CALS International Education and Study Abroad administrator).



Wildlife ecology study abroad students in Mexico. From left: Nicole Perret (holding a hummingbird), Daniel Erickson, Scout Kirby, and Jordan Gruel. Perret, Erickson, and Gruel graduated in May 2017 (all with B.S. in Wildlife) and Kirby will graduate May 2018 (B.S. Wildlife).

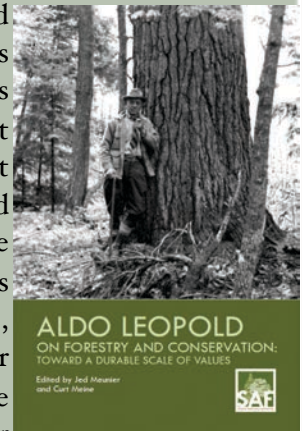
New Books

Adjunct Associate Professor Curt Meine contributed an essay to the Center for Humans and Nature's latest publication, *Wildness: Relations of People and Place*. Published by University of Chicago Press, the new anthology features stories that explore the spectrum of wildness found in wilderness areas, on working landscapes, and in urban communities. The book merges culturally diverse voices to delve into



the evolution of "wildness," including Gary Snyder, Vandana Shiva, Robin Kimmerer, Robert Michael Pyle, and Winona LaDuke. In his essay, Curt delves into the historical and contemporary revolution in the Driftless region, offering examples of inhabitants who have learned to "turn" with the contoured lands.

Drs. Jed Meunier and Curt Meine co-edited a book composed of writings by Aldo Leopold. A description from SAF states, “Revisit the past and rediscover the beauty and insight of Aldo Leopold’s writings. Leopold continues to be one of the most enduring and important names in forestry and conservation. This volume collects 46 of Leopold’s seminal papers, letters, presentations, and other writings published in the *Journal of Forestry* and other outlets. With new introductions to each important entry prepared by forest ecologist Jed Meunier (a great-grandson of Leopold) and Leopold scholar Curt Meine, this work belongs in every forester’s library. Visit www.eforester.org for more information and to order a copy.”



Snapshot continued from page 1

What is Snapshot Wisconsin?

Snapshot Wisconsin is a statewide endeavor to involve the public in monitoring wildlife populations using motion-activated trailcams. The overall objective of the program is to integrate trailcams, remote sensing, and citizen science to improve population modeling. The specific goals are to provide data to managers by monitoring wildlife year-round, engage citizens in monitoring the state's natural resources, and incorporate satellite imaging to forecast changes in wildlife populations.

How are the images classified and used?

Each month a single trailcam can capture thousands of images. In fact, Snapshot trailcams have collected over 18 million photos since they were first deployed



in 2015. To classify all these photos, the program relies on users of Zooniverse, an online crowdsourcing classification tool designed by Adler Planetarium.

After the images are classified, they are used by wildlife managers for a number of

important management decisions. For example, the images aid in calculating doe-to-fawn ratios, which helps in estimating deer



population abundance. The photos are also used to approximate the litter sizes of bears and bobcats, which is key data for population models. In future newsletters, we will feature more of the numerous ways in which Snapshot Wisconsin data are utilized by researchers and natural resource managers.

Getting involved

The success of Snapshot Wisconsin hinges on the involvement of citizen volunteers. Each volunteer receives a trailcam for free. They are required to install the camera within their approved area and are asked to upload photos from the camera at least four times per year. Volunteers can participate for as long as they want, but they are asked to commit to at least one year. Visit www.SnapshotWisconsin.org to see the Snapshot team, learn more about the program, and get involved.

Many thanks to Christine Anhalt-Depies and Dr. Philip Townsend for providing useful information used in this article.

Forest and Wildlife Ecology Fund

We invite you to join in our efforts to provide support for important Department priorities. Donations to the below accounts are used to support activities that promote a sense of community in the department, cover costs of the summer field camp and host activities such as special lectures, and support student travel to professional meetings.

I/we would like to donate to: ☐ General FWE Fund ☐ Grad Student Travel Fund ☐ Field Camps Fund

I/we would like to donate: ☐ \$25 ☐ \$50 ☐ \$75 ☐ \$100 ☐ Other (please specify)

I/we would like to pledge: \$_____ each year for _____ years.

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If paying by check, please make your gift payable to UW Foundation and mail to: University of Wisconsin Foundation, US Bank Lockbox, P.O. Box 78807, Milwaukee, WI 53278

Donations may also be made online at go.wisc.edu/supportfwecology

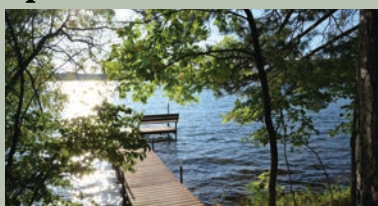


Forest and Wildlife Ecology

UNIVERSITY OF WISCONSIN-MADISON

1630 Linden Drive
Madison, WI 53706-1598

Forestry Alumni Mixer Kemp Natural Resources Station



All Forestry alumni of the Department of F&W Ecology are invited to a mixer on Saturday, May 19th, 4-8 pm at Kemp Natural Resources Station, 9161 Kemp Road, Woodruff, WI. The picnic will be held during Forestry Summer Camp and will give current students a chance to mingle with seasoned graduates. This is a family-friendly event with a meal and refreshments provided. Please RSVP by May 15th to fwealumni@russell.wisc.edu if you plan to come.

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Alumni and friends are an integral part of the Department. If you have an item you would like to share, please drop us a note. Include your name, degree, and year, and an update on what's new with you. Please send your email to Karie Cherwin at: kcherwin@wisc.edu or drop a hard copy in the mail to the return address above.