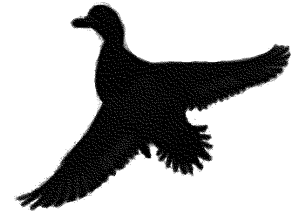
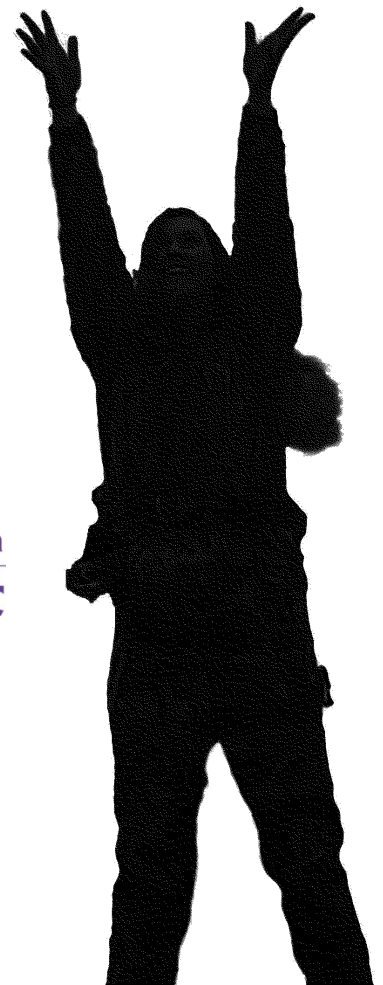


WISCONSIN CENTER FOR WILDLIFE



Increasing awareness,
knowledge, skills, and
engagement of students,
professionals, landowners,
and the public in the
conservation of wildlife
and their habitats in
Wisconsin and beyond.



University of Wisconsin
Stevens Point



Extension
UNIVERSITY OF WISCONSIN-MADISON

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College of Natural Resources
University of Wisconsin-Stevens Point



Extension

UNIVERSITY OF WISCONSIN-MADISON



Scott Hygnstrom, PhD

Douglas R. Stephens Chair in Wildlife
Director, Wisconsin Center for Wildlife
Professor and Extension Wildlife Specialist
College of Natural Resources
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Jennifer Summers

WCW Program Development Specialist
(Hired October 1, 2018)



WCW Affiliate Staff:



Jacob Straub, PhD

Kennedy-Grohne Chair in
Waterfowl and Wetlands
Conservation



Jason Riddle, PhD

Gerald and Helen Stephens
Professor of Wildlife

Wildlife Discipline
Faculty and Staff

UWSP College of Natural
Resources

www.uwsp.edu/WCW

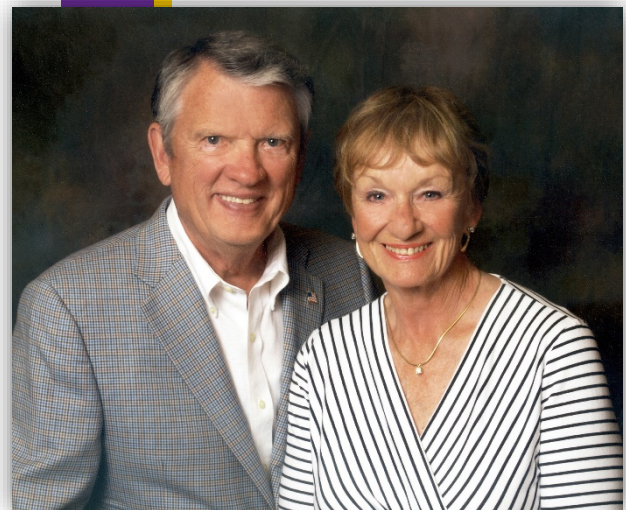


The Wisconsin Center for Wildlife is supported primarily through an endowment established by Gerald and Helen Stephens of Peoria, Illinois -- the Douglas R. Stephens Chair in Wildlife endowment (2013) -- honoring the memory of their son, who graduated with a Bachelor of Science degree in Wildlife Management from UW-Stevens Point in 1991. A top undergraduate student, Doug unexpectedly died only a few months after he graduated while working on black bear research in northern Wisconsin. A classmate described him as having "...a kind of quiet leadership -- the type of person who had never ending inquiry, a quest to learn."



Doug Stephens (1991)

Two additional endowments established by Mr. and Mrs. Stephens also support the work of the Wisconsin Center for Wildlife: the Gerald and Helen Stephens Professor in Wildlife endowment (2017); and the Doug Stephens Wildlife Research Fellowship endowment (2012).



Jerry and Helen Stephens

Just months ago, UWSP mourned the loss of Mr. Stephens, who passed away on August 20, 2018. We take this opportunity to express our deepest sympathy to Helen and the Stephens family, as well as our heartfelt gratitude for their longtime support. Their kindness and generosity have made the Wisconsin Center for Wildlife possible.



Director's Corner

Welcome to the UWSP-CNR-Wisconsin Center for Wildlife! We've had a very busy and productive year. One significant change is the addition of two endowed wildlife faculty, Drs. Jacob Straub and Jason Riddle to the WCW team, which provides the critical mass we need to move mountains. I am particularly excited about what I affectionately call our "wildlife habitat trifecta."

Jake and I are working with Matt Polumbo (UWSP-Wildlife) and many others on a decision-making tool that will shape how funds are invested in waterfowl habitat and wetland management in Wisconsin for



*Scott Hygnstrom, PhD
Douglas R. Stephens Chair in Wildlife*

years to come. Jason and I have been collaborating with Robin Rothfeder (UWSP-Human Dimensions) and several others on a grassland initiative for Central Wisconsin that we hope will improve the landscape for wildlife and people for generations. Finally, I have been working with Mike Demchik (UWSP-Forestry) and others on a suite of workshops, woodland projects, and demonstration areas that promote wildlife-friendly forest management practices on private and public lands in Wisconsin. The WCW truly is more than the sum of its individual parts.

The WCW is attracting some other very talented people. In October, we hired Jennifer Summers as a Program Development Specialist. Jennifer assists with administrative duties and is expanding our website www.uwsp.edu/WCW and public

engagement through art, bats, drones, and public-based monitoring programs. A talented suite of students contributes research and teaching skills to the WCW. Jordan Meyer earned his graduate degree modeling occupancy of bats in Wisconsin and currently is teaching our Wildlife Management Techniques course. Ben Tjepkes modeled habitat selection of bald eagles in the Upper Mississippi River National Fish and Wildlife Refuge and was a Teaching Assistant in Ungulate Ecology. McKenna Hammons served as a Teaching Assistant for Living with Wildlife. Jordan and Ben each were recognized with Fenske Awards for being the top graduate and undergraduate students in the Midwest in 2018 and 2017, respectively.



McKenna was recognized as the Outstanding undergraduate student in 2018 by the Wisconsin Chapter and North Central Section of The Wildlife Society. The efforts of these and many others keep the WCW actively humming along.

At WCW, we focus on providing opportunities for education and professional growth to wildlife students. The WCW faculty taught a dozen classes and advised a half-dozen graduate students and over 100 undergraduate advisees during 2018-2019. We issued 14 Travel Awards to students going to professional meetings, hosted workshops on Leadership and Outdoor Skills, and hired students as Project Assistants (2), Teaching Assistants (4), Graduate Assistants (6), and Student Employees (7).

We also are dedicated to Extension. Several programs are up and running, including the CNR Spring Colloquium, WCW video series, kiosk programs, and National Wildlife Control Training Program. Dozens of research presentations, posters, papers, chapters, books, and other publications were produced in the last year and we secured a cooperative agreement with the US Fish and Wildlife Service for a variety of collaborative research projects.

With all the great things that are happening, it saddens me that a dark shadow was cast with the passing of Gerald Stephens last August, who with his wife Helen, created the endowment that honors the memory of their son, Douglas, and provides core funding for the WCW. Mr. Stephens was a gentleman and champion for student excellence at UWSP. As we reflect on his life and impact on our program, we are further resolved to continue the Stephens legacy through our ongoing work in wildlife conservation.

Sincerely,



Scott Hygnstrom, PhD

Douglas R. Stephens Chair in Wildlife
Director, Wisconsin Center for Wildlife
Professor and Extension Wildlife Specialist



Wildlife education and research at the University of Wisconsin-Stevens Point enjoyed a signature year in 2017-2018.

It began with our campus hosting the 2017 Federal Duck Stamp Contest on September 14-16. It was a proud week for our campus and the Wisconsin Center for Wildlife (WCW), with hundreds of artists, waterfowl and wildlife professionals, natural resource students, nature lovers and community leaders coming to our campus to celebrate a wonderful conservation legacy.

It was the first time in the 84-year history of the Federal Duck Stamp program the contest was held at UW-Stevens Point. Since its inception in 1934, the Federal Duck Stamp program has generated \$800 million and secured 6.5 million acres of habitat, creating or expanding more than 300 of our national refuges for the benefit of waterfowl and other wildlife through the sale of duck stamps to hunters, collectors, birders and art lovers.

Wisconsin Center for Wildlife took an active role at the event, including co-hosting a display with the Jay N. Darling Center about the life of J.N. "Ding" Darling, who created the first duck stamp

in 1934, conceived our National Wildlife Refuge System, started the U.S. Fish & Wildlife Cooperative Research System, and led the creation of the National Wildlife Federation as its first president. WCW produced a video of that effort at: <https://www.uwsp.edu/cnr/WCW/Pages/Ding-Darling-duck-stamp.aspx>

In addition, Dr. Jacob Straub, Kennedy-Grohne Chair in Waterfowl and Wetlands Conservation, enjoyed the honor of serving as one of five judges for the Duck Stamp Contest, which was won by artist Bob Hautman of Delano, MN, with his acrylic painting of a Mallard pair.

That was just the beginning! The following pages contain a brief summary of the activities and accomplishments of the Wisconsin Center for Wildlife, highlighting the work of Dr. Scott Hygnstrom, Douglas R. Stephens Chair in Wildlife and WCW Director, Dr. Jacob Straub, and Dr. Jason Riddle, Gerald and Helen Stephens Professor of Wildlife. We are excited about what has been achieved, but even more excited for what is to come.



For the first time in its history, UW-Stevens Point hosted the Federal Duck Stamp Contest in fall 2017. Wisconsin Center for Wildlife co-hosted a display about the life of Jay N. "Ding" Darling, founder of the Federal Duck Stamp program (below).



Teaching and Mentorship

Courses Taught or Assisted by WCW

Affiliated Staff:

2017-18

- Wildlife Profession and Preparation (WLDL 100) – Riddle, Hygnstrom
- Living with Wildlife (WLDL 150 - new course for General Education) - Hygnstrom
- Wildlife Damage Management (WLDL 305) - Hygnstrom
- Waterbird Ecology, Management and Field Techniques (WLDL 305/505) – Straub
- Wildlife Chemical Immobilization (WLDL 305) – Hygnstrom
- Quantitative Methods for Wildlife and Fisheries Research and Management (WLDL 311/511) – Riddle
- Wildlife Management Techniques (WLDL 350/550) – Riddle, Hygnstrom, Straub
- Waterfowl Ecology and Management (WLDL 361/561) - Straub
- Wildlife Internship in Botswana (WLDL 381) – Hygnstrom
- Human Dimensions of Wildlife (WLDL 450) – Hygnstrom
- Wildlife Habitat Management (WLDL 451) – Hygnstrom
- Fire Management and Ecology (FOR 324) – Hygnstrom
- People, Resources and the Biosphere (NRES 150) – Riddle

Advising:

Graduate students:

- Master's Thesis Advisee: Jordan Meyer. Thesis title: *Community dynamics and occupancy for bat species within the Great Lakes Region following white-nose syndrome exposure.* (Advisor: Hygnstrom)
Video: <https://www.youtube.com/watch?v=2BwBy1Hxcr0>
- Master's Thesis Advisee: John Malanchuk. Thesis title: *Density, characteristics and use of tree cavities for nesting waterfowl at Missisquoi National Wildlife Refuge.* (Advisor: Straub)
- Master's Thesis Advisee: Kali Rush. Thesis title: *Survival, movement and habitat use of female wood ducks in Wisconsin.* (Advisor: Straub) Video: <https://youtu.be/1brqnGQjwqU>
- Master's Thesis Advisee: Kirsten Schmidt. Thesis title: *Abundance and use of wild celery by waterfowl on the Upper Mississippi River National Fish and Wildlife Refuge.* (Advisor: Straub)



Students from The Wildlife Society and the Scientific Illustration Club and WCW's director Scott Hygnstrom enjoy a tour of the Birds in Art exhibit at the Leigh Yawkey Woodson Art Museum.



Wisconsin DNR senior wildlife biologist Matt Esser and Mike Demchik PhD (not pictured) lead students in a workshop demonstrating management techniques for lands enrolled in cooperative Managed Forest Law and Deer Management Assistance Programs.



Undergraduate students:

- Academic Advising:
 - Hygnstrom: 20 undergraduate advisees (2017-18)
 - Straub: Over 35 undergraduate advisees (2017-18)
 - Riddle: Over 40 undergraduate advisees (2017-18)
- Assisted in leading 12 students to the Annual Meeting of The Wildlife Society in Albuquerque, NM, and 15 to the Midwest Fish and Wildlife Conference in Milwaukee, WI. WCW provided 9 Student Travel Awards.



Graduate student
Travis Bryan studied elk
movement near Black River Falls.

Research

Hygnstrom:

- **Elk reintroduction in the Black River Falls Area** – Served on Travis Bryan’s graduate student committee with Tim Ginnett and Dan Storm, WDNR. Student completed thesis and graduated. Peer-reviewed paper in prep.
- **Community dynamics and occupancy for bat species within the Great Lakes Region following white-nose syndrome exposure** – Jordan Meyer completed his degree and has 2 peer-reviewed papers in prep.
- **Cost-effectiveness of converting excess cranberry acres to wild rice wetlands** – Fieldwork is unpublishable due to damage to wild rice by Canada geese (2016) and muskrats (2017). Posted a video and submitted a final report on the project.
- **Bald eagle nesting activity in the Upper Mississippi River National Wildlife and Fish Refuge** – 2 papers on nesting activity and resource selection in prep.



This YouTube video produced by WCW describes a project that attempted to convert marginal cranberry beds to a wild rice wetland: <https://youtu.be/UzFTQ6hcMfk>

Peer Reviewed Publications:

Hygnstrom:

- Wilber, M., K. Pepin, H. Campa, S. Hygnstrom, M. Lavelle, T. Xifara, K. Vercauteren, and C. Webb. *Modeling multi-species and multi-mode contact networks: implications for persistence of bovine tuberculosis at the wildlife-livestock interface*. Journal of Applied Ecology. (accepted)
- Doden, E.S., C.W. Winterbach, S.E. Hygnstrom, R. Thomson, G. Potgeiter, and H.E.K. Winterbach. *Efficacy of three common survey techniques to assess population size and trends of large carnivores in Southern Africa*. South Africa Journal of Research. (submitted)
- Doden, E.S., C.W. Winterbach, S.E. Hygnstrom, R. Thomson, G. Potgeiter, and H.E.K. Winterbach. *Density and biomass of large African carnivores and their prey in Ngamiland, Botswana*. South Africa Journal of Research. (submitted)



Straub:

- Malanchuk, J. and J.N. Straub. *Evaluating methods to estimating tree cavities for nesting waterfowl*. Wildlife Society Bulletin (in preparation).
- Straub, J.N., R.M. Kaminski, A.G. Leach, A.E. Ezell and T.D. Leininger. *Red oak acorn yield in green-tree reservoirs and non-impounded hardwood bottomlands in Mississippi*. Wildlife Society Bulletin (accepted; in revision).
- Foth, J.R., R.M. Kaminski, J.B. Davis, J.N. Straub and T.D. Leininger. 2018. *Aquatic invertebrate community composition, diversity, and biomass from sweep-net samples in non-impounded bottomland hardwood forests and greentree reservoirs*. Journal of the Southeastern Association of Fish and Wildlife Agencies 5: 125-135.
- Anderson, L. J., J.J. Dosch, E.S. Lindquist, T.S., McCay, J.L, Machado, K. Kuers, T.B. Gartner, K.L. Shea, C. Mankiewicz, V.L. Rodgers, P.A. Saunders, R.A. Urban, J.S. Kilgore, A.S. Powell, B.S. Ramage, J.M. Steinweg, J.N. Straub, S.L. Bunnell, and M. Witoksky-Eldred. *Assessment of student learning in undergraduate courses with collaborative projects from the Ecological Research as Education Network (EREN)*. Scholarship and Practice of Undergraduate Research (in review).



Riddle:

- Hardy, M.A., M.S. Broadway, C.D. Pollentier, V.C. Radloff, J.D. Riddle, S.D. Hull, and B. Zuckerberg. *Responses to land cover and grassland management vary across life-history stages for a grassland specialist*. Ecosphere (in review).
- Shurba, J.A., M. Broadway, R. Cole, D. Green, J.D. Riddle, S. Hull, and S.A. Dubay. *Gapeworm (Syngamus trachea) presence and prevalence in Wisconsin greater prairie chickens (Tympanuchus cupido)*. Journal of Wildlife Disease (in revision).
- Hyzy, B.A, R.E. Russell, J. Riddle, A. Silvis, T. Ginnett, K. Russell, and W.M. Ford. *Occupancy of northern long-eared bats in the Lake States Region: accounting for misclassification errors*. Journal of Wildlife Management (in revision for resubmission).
- Dittrich, J. J., J. D. Riddle, and S. Hull. *Lack of observer differences in ring-necked pheasant detection rates*. Wildlife Society Bulletin (in revision for resubmission).



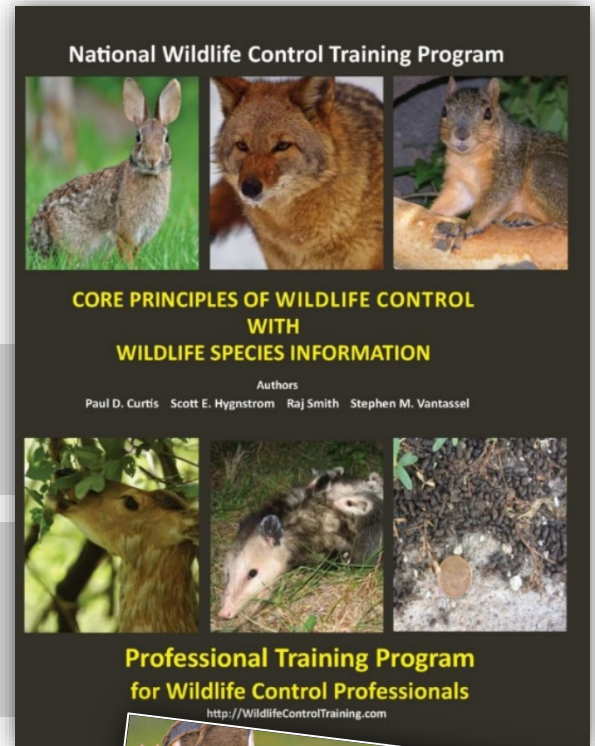
- Broadway, M.S., J.D. Riddle, M.A. Hardy, S. Hull, and B. Zuckerberg. *Incubation and intra-seasonal temporal trends explain greater prairie-chicken nest survival in Wisconsin*. Avian Ecology and Conservation (in revision for resubmission).

Books/Book Chapters:

- Curtis, P.D, S.E. Hygnstrom, and S.M. Vantassel. 2018. *Core Manual and Species Information*. 6th edition. National Wildlife Control Training Program, Ithaca, NY. 498 pp.
- VerCauteren, K.C., S.E. Hygnstrom, and D.R. Hirschert. 2018. *State management of human-wildlife conflict*. Pages 161-175 in *State Wildlife Management and Conservation*. T. Ryder, editor. Johns Hopkins Press, Baltimore, MD.
- Hagy, H.M., M.G. Brasher, J. Fleskes, J.N. Straub, and A. Lafon. *Important geographies for migrating and wintering waterfowl*. Book Chapter in Ballard, B.M., M.G. Brasher, and J.P. Fleskes, editors. *Migrating and Wintering Waterfowl*. Johns Hopkins University Press. (submitted)

Other Publications:

- Smith, R., S. Hygnstrom, P. Curtis, and J. Hygnstrom. *Wildlife damage control agent training goals-West Virginia*. National Wildlife Control Training Program 22 pp.
- Straub, J.N. and M.L. Schummer 2018. *Population monitoring and information needs for management and conservation of sea ducks on the Great Lakes*. Upper Mississippi River and Great Lakes Region Joint Venture Technical Report No. 2018-1, Bloomington, MN.
- Soulliere, G.J., M.A. Al-Saffar, J.M. Coluccy, R.J. Gates, H.M. Hagy, J.W. Simpson, J.N. Straub, R.L. Pierce, M.W. Eichholz and D.R. Luukkonen. 2017. *Upper Mississippi River and Great Lakes Region Joint Venture Waterfowl Habitat Conservation Strategy – 2017 Revision*. U.S. Fish and Wildlife Service, Bloomington, MN.
- Straub, J.N. and C. Gervich. 2017. *Waterfowl hunter survey for Lake Champlain, Interior Vermont, Connecticut River and Northeastern New York zones*. Final Report #0612029963 from SUNY Research Foundation.
- Doud, G., E. Moseman, J.N. Straub and D. Garneau. 2017. *Presence, habitat use, and prey selection of Champlain Valley owls, New York*. *Scientia Discipulorum* 8: 22-40.



- DellaRocco, T. and J.N. Straub. 2017. *Fifteen-year community type change in a sandstone pavement barren*. *Scientia Discipulorum* 8: 8-21.

Outreach and Leadership

Symposia Organized:

- **Fish and Wildlife of the Great Lakes Region Seminar Series (8 speakers)**, College of Natural Resources, UWSP. Spring 2018. Stevens Point, WI.
- Waterbird use and monitoring of wetland protection, restoration and enhancement projects, Special Session, 78th Midwest Fish and Wildlife Conference, 28-31 January 2018, Milwaukee, WI.

Workshops and Conferences:

- **Conservation Leaders for Tomorrow Workshops** - served as an Advisor and Instructor for two 4-day workshops in January and February 2018. Instructed 16 students and 21 professionals in Motivations, Firearm Basics, Consumptive Uses, Furbearer Processing, and Biological Basis for Hunting. (Hygnstrom)
- **Becoming An Outdoors-Woman (BOW) Winter Workshop** (Firearm Safety and Archery) - instructor, February 2018 (Hygnstrom)
- **Becoming An Outdoors-Woman (BOW) Summer Workshop** (Firearm Safety, Shotgun, Archery and Bowhunting) - instructor, August 2018 (Hygnstrom)
- **Becoming An Outdoors-Woman After-BOW Workshop** (Sporting Clays and Pheasant Hunting) - instructor, November 2018 (Hygnstrom)
- **Learn to Hunt Workshops** at Treehaven - Deer Hunting, October 2018; Hunting with Bird Dogs, April 2018 (Hygnstrom)
- **2018 Midwest Fish and Wildlife Conference** – Represented the Wisconsin Chapter of TWS on the Conference Planning Committee; served on the Wildlife Program Committee, reviewed and arranged 241 abstracts; staffed a WCW booth; facilitated two workshops for 75 participants; hosted a UWSP Alumni Reception. (Hygnstrom)

Fish and Wildlife of the Great Lakes Region Seminar Series
Sponsored by the Wisconsin Center for Wildlife
Visit <http://bit.ly/WCWSeminar> for more information

FEBRUARY

- Secrets of the Wisconsin Fish Fauna**
John Lyons, Ph.D. • 2-7-18 • TNR 170 • 3:30 p.m.
Explore little-known aspects of the more than 150 species of fish in the state
- Protecting Coldwater Fish Habitat in Minnesota Lakes**
Peter Jacobson • 2-21-18 • TNR 170 • 3:30 p.m.
Learn how Minnesota actively protects forested watersheds important to cisco and other coldwater fish.
- Studies of Long-lived Iteroparous Lake Sturgeon**
Kim Scribner, Ph.D. • 2-28-18 • TNR 170 • 3:30 p.m.
Discover the factors, including human alteration of acoustic systems, that impact lake sturgeon's reproduction and mortality.

MARCH

- Getting our Bearings: Reorienting Black Bear Ecology with Density and Landscape Context**
David Williams, Ph.D. • 3-7-18 • TNR 170 • 3:30 p.m.
- Dreissenid Mussel, and Changes in the Lake Michigan Food Web**
Charles Medenjian, Ph.D. • 3-14-18 • TNR 170 • 3 p.m.
Learn how the invasion of dreissenid mussels affected Lake Michigan's food web including its salmon and whitefish population.

APRIL

- Reintroducing a Native Predator: Multiple Objectives and Good Science**
Roger Powell, Ph.D. • 4-4-18 • TNR 170 • 3:30 p.m.
Join a discussion on using reintroduced populations to gain a better understanding of fisher biology and their use of managed landscapes.
- Case Studies from Red Wolves and Great Lake Wolves**
Lisette Waits, Ph.D. • 4-11-18 • TNR 170 • 3 p.m.
Review the challenges hybridization and taxonomic uncertainty have caused for endangered species recovery in red wolves and Great Lake wolves and the management actions to control hybridization.
- There and Back**
Richard Crossley • 4-18-18 • TNR 170 • 3:30 p.m.
Birder, photographer and award-winning author, Richard Crossley, chats about the incredible places he traveled and the inspiring people he met while working on his book *The Crossley ID Guide: Waterfowl*.

Wisconsin Center for Wildlife
College of Natural Resources
University of Wisconsin-Stevens Point

Trainer Natural Resource Building
University of Wisconsin-Stevens Point Campus
800 Reserve Street
Stevens Point, WI 54481



Presentations:

Hygnstrom:

- Abbatacola, M., H. Foster, K. White, C. Winterbach, and S. Hygnstrom. *Comparisons of large carnivore spoor density in the Ngamiland and Mababe regions of Botswana from 2016 to 2017*. 78th Midwest Fish and Wildlife Conference, Milwaukee, WI. February 1, 2018.
- Meyer, J., R. Russell, S. Hygnstrom, J. Riddle, and C. Yahnke. *Modeling the effects of white-nose syndrome on the bat community in Wisconsin*. North American Joint Bat Working Group Meeting, Roanoke, VA. March 17, 2018.



UWSP Wildlife and Fisheries faculty and students gathered at the 2018 Midwest Fish and Wildlife Conference in Milwaukee.

Straub:

- Palumbo, M. and J.N. Straub. *Revising the Wisconsin Plan: A waterfowl and wetlands conservation strategy*. Upper Mississippi River and Great Lakes Region Joint Venture Management Board meeting. Alton, IL 29-30 August 2018.
- Straub, J.N. *The Federal Duck Stamp and Conservation*. Schlitz Audubon Nature Center, Milwaukee, WI, 8 August 2018.
- Gates, R.J., J.N. Straub, M.G. Brasher and J.M. Coluccy. *Challenges of wetland restoration monitoring--if you build it will they come, if they come will you know it?* 78th Midwest Fish and Wildlife Conference. Milwaukee, WI 28-31 January, 2018.
- Schultz, R.E., J.N. Straub, J. Fleener, B. Glenzinski, S. Hygnstrom, G. Kidd, and K. Waterstradt. *Marsh bird occupancy of wetlands in the Glacial Habitat Restoration Area of Wisconsin*. 78th Midwest Fish and Wildlife Conference. Milwaukee, WI 28-31 January, 2018.
- Straub, J.N., R.E. Schultz, J. Fleener, B. Glenzinski, S. Hygnstrom, G. Kidd, and K. Waterstradt. *Waterfowl use of restored wetlands in the Glacial Habitat Restoration area of Wisconsin*. 78th Midwest Fish and Wildlife Conference. Milwaukee, WI 28-31 January, 2018.
- Straub, J.N. *Waterfowl use of restored wetlands in the Glacial Habitat Restoration area of Wisconsin: We built it, but did they come?* Wisconsin Waterfowl Hunters Conference. Wisconsin Rapids, WI, 10 March, 2018.



Riddle:

- Tjepkes, B., J. Williams, H. Putnam, J. Quehl, and J. Riddle. *Measuring ruffed grouse drumming log characteristics*. 78th Midwest Fish and Wildlife Conference. Milwaukee, WI.
- Meyer, J.J., R.E. Russell, S.E. Hygnstrom, J.D. Riddle, and C.J. Yahnke. *Modeling the effects of white-nose syndrome on the bat community of Wisconsin*. (oral presentation) 78th Midwest Fish and Wildlife Conference. Milwaukee, WI.
- Meyer, J.J., R.E. Russell, S.E. Hygnstrom, J.D. Riddle, and C.J. Yahnke. *Modeling the effects of white-nose syndrome on the bat community of Wisconsin*. (poster) 24th Annual Conference of The Wildlife Society. Albuquerque, NM.
- Hardy, M. A., M. S. Broadway, S. D. Hull, J. D. Riddle, and B. Zuckerberg. *Potential misalignment of management practices and greater prairie-chicken demography in Wisconsin's grasslands*. Joint Meeting of the American Ornithological Society and the Society of Canadian Ornithologists. East Lansing, MI.
- Hardy, M. A., M. S. Broadway, J. D. Riddle, and B. Zuckerberg. *Misalignment of management and demography in the prairies of Wisconsin*. Wisconsin Ecology 20th Annual Spring Symposium. Madison, WI.

Mentored student presentations:

- Fell, M., I. Bierke, R. Bravo, J. Ehlers, J. Taylor, and A. Lang. *Microhabitat use of migrating northern saw-whet owls*. CNR Undergraduate Research Symposium. (Riddle)
- Hanchette, A., S. Lau, M. Taylor, J. Meyer, J. Riddle, and R. Russell. *Cavity nesting bird communities sampled through passive auditory surveys as a predictor for bat roost locations*. CNR Undergraduate Research Symposium. (Riddle)
- Shurba, J., H. Putnam, and N. Yost. *The influence of environmental variables, age, and sex on eastern grey squirrel capture probability and population*. 24th Annual Conference of The Wildlife Society. Albuquerque, NM. (Riddle)
- Bierke, I. *Microhabitat use of migrating northern saw-whet owls (*Aegolius acadicus*)*. 78th Midwest Fish and Wildlife Conference. Milwaukee, WI. (Riddle)
- Abbatacola, M., K. White, C. Winterbach, and S. Hygnstrom. *Using citizen science technology to assist in monitoring giraffe populations in Botswana*. CNR Undergraduate Research Symposium. April 12, 2017. (Hygnstrom)



Monae Taylor (right) and Adelyn Hanchette, WCW-mentored wildlife students, present their poster at the 2018 CNR Student Research Symposium at UW-Stevens Point.



Other Academic Presentations:

- Abbatacola, M., K. White, C. Winterbach, and S. Hygnstrom. *Using citizen science technology to assist in monitoring giraffe populations in Botswana*. 78th Midwest Fish and Wildlife Conference, Milwaukee, WI 1 February, 2018.
- Loken, Z., R.E. Schultz and J.N. Straub. *Spatial heterogeneity and wetland-dependent bird use in Wisconsin's Glacial Habitat Restoration area*. Wisconsin Wetlands Science Conference. Lake Geneva, WI 19-21 February, 2018.
- Comstock, S., J.N. Straub and R.E. Schultz. *Detection probabilities of waterfowl pairs using wetlands in the Glacial Habitat Restoration area of Wisconsin*. Wisconsin Wetlands Science Conference. Lake Geneva, WI 19-21 February, 2018.
- Weigel, A. and J.N. Straub. *Trends in waterfowl abundance on the Lake Winnebago system*. Student Research Symposium, College on Natural Resources, UW-Stevens Point, Stevens Point, WI 6 April, 2018.
- Mason, S., L. Bell, A. Combs, A. Weigel and J.N. Straub. *Long term use trends of nesting boxes by waterfowl*. Student Research Symposium, UW-Stevens Point, Stevens Point, WI 6 April, 2018.
- Lee, A., J. Brezinka and J.N. Straub. *Macroinvertebrate abundance and distribution in restored wetlands in the Glacial Habitat Restoration area of Wisconsin*. Student Research Symposium, UW-Stevens Point, Stevens Point, WI 6 April, 2018.
- Rush, K. K., J.N. Straub and T.A. Finger. *Wood duck demography in Wisconsin: Pilot season summary*. 78th Midwest Fish and Wildlife Conference. Milwaukee, WI 28-31 January, 2018.

Media

- WCW Videos – worked with Rachel Konkle to develop and post 4 videos on the WCW website: Wood Duck Research; Bat Research; The Hidden Treasures of Ding Darling; Cranberries to Wild Rice.
- [Outdoor Wisconsin Episode #3409 \[Federal Duck Stamp Program\]](#), aired March 1, 2018. (Straub interview)



Additional Outreach and Service

- **The Wildlife Society**
 - President-elect-Wisconsin Chapter (Hygnstrom)
 - Past-President-Wisconsin Chapter (Riddle)
 - Faculty Advisor-UWSP Student Chapter (Riddle)
 - Past-Chair/Charter Member-Wildlife Damage Management Working Group (Hygnstrom)
 - Past-Chair/Charter Member-Wildlife Diseases Working Group (Hygnstrom)

Dr. Jacob Straub, who served as a judge for the 2017 Federal Duck Stamp Contest, was interviewed for an Outdoor Wisconsin episode:
<https://www.youtube.com/watch?v=WlejlcDx3xk&t=426s>



- Past-Chair/Charter Member-Hunting, Trapping and Conservation Working Group (Hygnstrom)
- Bylaws Committee Member-Public Communication Working Group (Hygnstrom)

- **City of Stevens Point**

- Deer Committee Member - Evaluation of goose dispersal techniques in Piffner Park; designed warning signs for feeding geese.
- Developed and secured a WDNR Urban Wildlife Damage Abatement and Control Grant (\$2,528)
- Developing a public brochure on deer damage management.



Dr. Scott Hygnstrom (right) addresses members of the Deer Management Committee for the City of Stevens Point.

- **Midwest Fish and Wildlife Conference**

- Chair-Poster Committee (Riddle)
- Member-Wildlife Program Committee (Hygnstrom)
- Member-Conference Committee (Hygnstrom)
- Facilitator-Conflict Resolution Workshop (Hygnstrom)
- Facilitator-Analyzing Wildlife Data Using Program R (Hygnstrom)

- **UWSP Wildlife Discipline**

- Discipline Coordinator (Riddle)

Awards

- Jordan Meyer (Hygnstrom advisee) received the 2018 Fenske Award for the top fish and wildlife graduate student in the Midwest.
- Madeline Abbatacola and Heather Foster (Hygnstrom advisees) received 2018 UWSP Office of Student Creative Activity and Research (OSCAR) awards for their work in Southern Africa.
- Madeline Abbatacola (Hygnstrom advisee) received the Honorable Mention Poster Award at the 2018 Jim and Katie Krause CNR Student Research Symposium.

