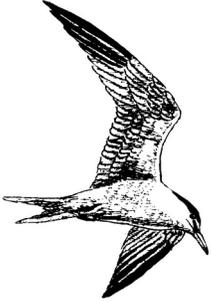


Least Tern
Steven
D'Amato

JAS Jayhawk Audubon Society

Volume 43 Issue 1 August, 2018

www.jayhawkaudubon.org



JAS Field Trip to Quivira NWR & Cheyenne Bottoms Wildlife Area

Saturday, August 18 ~ All Day

Fall migration for many species will be well underway so we'll be looking at lots of southbound rails, waders, and shorebirds - first at Quivira in the morning and Cheyenne Bottoms in the afternoon. A 5:00 AM departure (*sorry!*) puts us at Quivira around 8:30 AM. We'll leave Wildlife Drive, have lunch in Great Bend, and head north to Cheyenne Bottoms before starting back to Lawrence early that evening. If any particularly good birds happen to show up before then, we may deviate from the schedule.

We'll meet at the DoubleTree by Hilton hotel (200 McDonald Drive, Lawrence KS 66044) and head out at 5:00 AM. Don't forget bug spray, sun screen, hat, snacks, water and anything else you may need to make it through the day...especially your binoculars! *Note that this is a fine trip for those with limited mobility as we will see spectacular birds from the car and edge of the road.*

If you have questions, please contact me at MKLongabaugh@gmail.com or 785-285-1465.

~ Matt Longabaugh
JAS Field Trip Coordinator

P.S. I should mention that, if one long day of birding doesn't do it for you, Burroughs Audubon has scheduled a 3-day trip the following weekend (August 24-26). Here's a link to information on that: <http://burroughs.org/its-free/field-trips-programs/>



White-faced Ibis
Louis Agassiz Fuertes

See in color in the newsletter on the website.

Monday, August 27th

Solar Panels for Everyone:

New technology has made
home-grown energy easy, safe, & cheap

In 2014 Robert Rosenberg installed solar panels on his house. The benefits of rooftop solar became clear to him and he was puzzled why every home in Kansas did not have its own system. He has spent considerable time since then researching the misconceptions about this innovative technology. Then he took his commitment to alternative energy to the next level and put that research to work by becoming active in education and promotion of rooftop solar.

He is the secretary of the Flint Hills Renewable Energy & Efficiency Cooperative, a Manhattan, KS based group of volunteers dedicated to the spread of rooftop solar energy and energy efficiency. FHREEC volunteers have helped install over 40 systems.

On Monday, 8/27, Rob will bring us up to date on rooftop solar, and why it's

good for homeowners *and* the planet. We hope to see you at our first meeting of the 2018-2019 program year.

Put JAS on your calendar every 4th Monday because we've planned a year of wide-ranging topics celebrating the diversity of life on Earth and ways we can sustain it: *T. Rex research; Bees; Australia; local air pollution; the Serengeti and more.*

~ Joyce Wolf
JAS program chair

Program: 7:00 pm. Trinity Lutheran Fellowship Hall. 1245 New Hampshire, Lawrence. Refreshments.



FHREEC volunteers installing solar panels.

New Members of the JAS Board

We would like to introduce and welcome three people who joined the board of Jayhawk Audubon this summer:

Phyllis Fantini

Phyllis has been a bird watcher for 35 years and a Lawrence resident for 27 years. She grew up in Newark, Delaware, and, before moving to Lawrence, served as a volunteer guide for school groups at the Bombay Hook Wildlife Area on the Delaware River. Phyllis retired two years ago from her full-time job as a bookkeeper for a locally owned environmental company, but has returned to work there 10 hours a week.

After being diagnosed with breast cancer in November 2016 and going through chemotherapy and radiation, Phyllis decided she wanted to be more involved in Audubon while recovering her health. She is serving in an at-large board position.

Matt Longabaugh

Matt is a native of Sabetha, Kansas, who came to Lawrence in 2011 for college. He has worked at Pet World for five years, currently as the manager. Matt has agreed to serve as field trip coordinator for JAS. "I volunteered for JAS because I've learned more about birds (and nature in general) from birding with friends and colleagues than any book or website," Matt said. "I want to help grow the Lawrence birding scene because I think a network of even semi-active birders is an invaluable resource to have - I certainly wouldn't be where I am today without field trips with organizations like JAS."

"Birding has done so much for me - at this point, it's more of a lifestyle than a hobby. It's been a great excuse to travel as much as possible and experience new places and culture, but it's also made me much more appreciative of my home state. I've made some great connections and lifelong friends."

McKay Stangler

McKay is from central Missouri and came to Lawrence in 2005 and has lived here off and on since then. He finished a PhD in 2015 and expects to make Lawrence his permanent home. He works in higher education fundraising. He is also a member of the Sierra Club, Fly Fishers International, and Trout Unlimited (and he knows the best fishing spots in town).

"I volunteered to serve on the JAS board because I care deeply about birds and about the welfare of birds in the Lawrence area," McKay said. He is serving in an at-large board position.

~ Lynn Byczynski
JAS Webmaster and
Conservation Chair

Thank you, Julie Maxwell

Julie has served on the Jayhawk Audubon Society board for two separate terms. Most recently she was Recording Secretary, keeping minutes of our sometimes long and complicated board meetings. Julie had to resign unexpectedly for personal reasons. We will miss her thoughtful voice and advocacy on social justice and conservation issues.

Julie, we wish you all the best and since third time's the charm, maybe you'll join the board again one day!

Susan MacNally stepped forward to fill the Recording Secretary post, giving up her at-large board position. Thank you Susan for being willing to take on a time-consuming responsibility with little notice.

The mission of the Jayhawk Audubon Society is

- ★ to provide opportunities for greater understanding and appreciation of birds and other wildlife,
- ★ to encourage sustainable practices,
- ★ and to advocate for actions and policies which result in protection and preservation of intact ecological ecosystems.

JAS Officers & Board Members

President:	James Bresnahan. 785-766-9625 jbresnahan@ku.edu
Vice President:	Vanessa Carlos
Recording Secretary:	Susan MacNally
Corresponding Secretary:	Pam Chaffee
Treasurer:	Jennifer Delisle
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Board Member:	Lynn Byczynski
Board Member:	Jennifer Dropkin
Board Member:	Phyllis Fantini
Board Member:	Dena Friesen
Board Member:	McKay Stangler
Membership Chair:	Wayne Kennedy
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Conservation:	Lynn Byczynski
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Education:	Sandy Sanders
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Publicity:	Pam Chaffee
Facebook Page:	Jennifer Dropkin, Administrator jendropkin@hotmail.com
Webmaster:	Lynn Byczynski
Bird Seed Sales:	Linda Lips
Birdathon:	Richard Bean
Christmas Count:	Galen Pittman
Eagles Day:	Bunnie Watkins
Migratory Bird Count:	Vanessa Carlos
Hospitality:	Kelly Barth
Historian:	Ron Wolf
Books & Feeders:	Ron & Joyce Wolf
Audubon of Kansas	
Chapter Representative:	Ron Wolf

Did You Know???

All animals live for themselves. All species have certain physical and behavioral traits that enable them to survive and reproduce. Some species, however, exhibit characteristics that change their environment in such a way that many other species benefit and ecological diversity is increased. Such species exert an influence on the structure and function of an ecological community that is disproportionate to their own abundance and are known as keystone species.

Woodpeckers are important keystone species in woodlands and forests. By excavating cavities in trees and snags, which they use for only one season of raising young, woodpeckers expand the number of roosting and denning sites available to other cavity-nesting species: tree swallows, chickadees, titmice, wrens, flycatchers, wood ducks, bluebirds, chipmunks, squirrels, owls, kestrels, bats and many more.

Several large studies have found that woodpecker-excavated cavities are ten times more numerous than natural cavities created by weather events and decomposition. In addition, woodpeckers control many bark and wood-boring insects thus sustaining forests and the other creatures that live in them. Urban and rural woodland landowners can assist woodpeckers and other forest species by retaining snags, dead trees and logs that don't pose safety hazards.

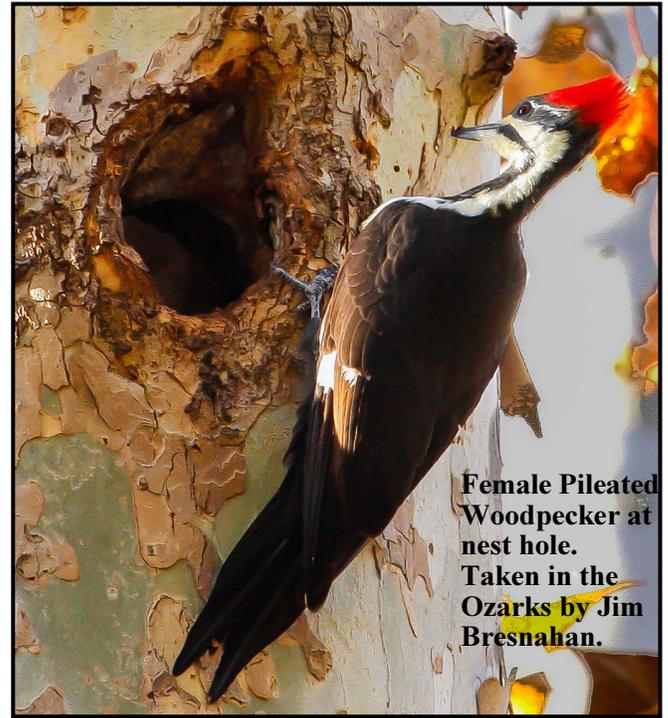
~ Jim Bresnahan
JAS President



Ron Klataske, Executive Director of AOK, and Laura Stastny, Executive Director of Nebraska Wildlife Rehab, Inc. celebrating the relocation of prairie dogs—another keystone species—at the Hutton Niobrara Sanctuary.

JAS supports the projects of AOK. You can too by visiting <http://www.audubonofkansas.org/> and making a donation so their work can continue. Thank you!

Photo by Ryan Klataske.



Female Pileated Woodpecker at nest hole. Taken in the Ozarks by Jim Bresnahan.

Audubon of Kansas Rescues Prairie Dogs from the Plow

In July, AOK's Hutton Sanctuary became the new home for some Black-tailed Prairie Dogs whose colony had been plowed under. Here's the story from an email sent July 12th by Ryan Klataske, AOK's Special Outreach Director:

AOK, "in partnership with Nebraska Wildlife Rehab Inc. (NRWI), successfully rescued 223 prairie dogs from Nebraska's easternmost prairie dog colony and most have been relocated to the Hutton Niobrara Ranch Wildlife Sanctuary in northern Nebraska. The plan is to relocate the remaining juvenile prairie dogs (currently receiving special care in captivity by NWRI) later this month. The prairie dogs were stranded in what had been a 40-acre grassland plot...part of a 320-acre property in Fillmore County that was willed to Doane University, but recently sold to a farmer and transformed from native prairie to soybeans. In addition to the loss of habitat, all prairie dogs faced the threat of extermination."

"AOK works in Kansas, Nebraska, and throughout the central Great Plains. Its stewardship of the Hutton Niobrara Ranch Wildlife Sanctuary is built on a long history of trust and a commitment to conservation."

"Now, approximately 300 prairie dogs have refuge on this land, within an old field in the center of the sanctuary managed specifically for the colony. Black-tailed Prairie Dogs are a keystone species in the North American prairie, playing a unique and crucial role in the ecosystem and providing food and/or shelter for a diversity of other species including Burrowing Owls, which nest in the burrows. Ornate Box Turtles, as well as an array of amphibians and reptiles, also utilize the burrows. Ferruginous Hawks, Golden Eagles, Swift Foxes, and Badgers prey on prairie dogs. Once numbering in the billions, the prairie dog population in the Great Plains has declined by 98 percent."

~ Ryan Klataske, PhD

<http://www.audubonofkansas.org/>

“I have one share in corporate Earth, and I am nervous about the management.”

~ E.B. White (1899-1985), author, perhaps now best known for *Charlotte's Web*.

This page features ways you can better the “management” of our planet home.

►Tend the JAS Native Plant Garden◀

As part of our Plants for Birds program Jayhawk Audubon has a new native plant garden at Oak Hill cemetery! It is one of three plots planted as a cooperative effort between Lawrence Parks and Recreation, the Kaw Valley Native Plant Coalition, Grassland Heritage Foundation, and the Blue Moon Neighborhood group. It was planted on June 2nd with several JAS members contributing time and labor. Plants and other materials were donated by Parks and Recreation. Signs will be placed at the three new garden plots later in the year.

Now here's where you come in. First, we hope these little plots will inspire gardeners to give native plants a try in their own gardens. Second, this is the chapter's garden and it will need a little tending; please feel free to pull a few weeds, cut dead blossoms, and give it a little love. Then it will grow in beauty and usefulness over the seasons.

~ Jennifer Delisle, Plants for Birds

For a google map showing the way to the JAS garden:

<https://tinyurl.com/v7mps2vu>



Volunteers planting the JAS garden at Oak Hill Cemetery.
By Tom Overholser

Good News on Water Use

Reductions in U.S. water use first observed in 2010 continue, showing ongoing effort towards “efficient use of critical water resources.” Water use across the country reached its lowest recorded level in 45 years(!). According to a new USGS report, 322 billion gallons of water per day (Bgal/d) were used in the US during 2015. *This represents a 9 percent reduction of water use from 2010* when about 354 Bgal/d were used and the lowest level since before 1970 (370 Bgal/d).

Despite a 4% increase in U.S. population between 2010 & 2015, big drops were seen in use for power generation and for public water supplies. Per capita use is down from 88 gal/d to 82! Way to go America!! 5 minute showers and not leaving the water running do make a difference!!

~ Abstracted from *The Aquifer*, vol. 33, no.1, pp 6-7, Summer 2018. The Groundwater Foundation. www.groundwater.org

BAN SINGLE USE PLASTICS

The Time for Complacency is OVER

China won't take our plastic recycling anymore. Some of the countries that still accept it are not, in fact, able to recycle it and it ends up strewn across the ocean. U.S. facilities don't have enough capacity now because we have sent most plastics overseas for years. Our landfills are overflowing.

It's past time for all of us to take responsibility for our consumption: both the corporations that produce the plastic and we who consume the products.

How to Start?

1. ***Support the movement to ban single use plastics***, such as bags and plastic straws. Homo sapiens survived 200,000 years without this stuff. We must stop being oblivious, carry reusable bags, and refuse plastic straws. (Yes, some folks need them, and that's fine. The rest of us...JUST NO.)
2. ***Stop drinking water bottled in disposable plastic.*** Public water supplies in this country are very safe with few exceptions. The Lawrence Water Dept. publishes a detailed report on our water quality every year so you can know what's in there. With bottled water you're putting your trust in a faceless corporation that claims their product springs from a pristine mountain stream.

Please...were we born yesterday?

Carry your own refillable bottle. Start today.

See Page 5: *Year of the Bird -June for more on plastic.*

To get motivated: <https://www.birdlife.org/worldwide/news/single-use-plastic>

Wildlife in the Garden

Thursday, August 23rd 7:30 pm.
Lawrence Public Library

Native Plants are more than beautiful and fun to grow. They provide everything that native wildlife relies upon for food and nesting sites. When we add more natives to our gardens, we invite wildlife to live and dine there.

This is Grassland Heritage Foundation's 3rd 2018 Native Plant Gardening Workshop. Angie Babbitt, Monarch Watch Communications Coordinator and Environmental Biologist, will talk about the pollinators and other wildlife that rely on natives and how we can attract more of them to our gardens.

An RSVP is encouraged. Email Grassland Heritage at grasslandheritage@gmail.com to RSVP and for more information. Also follow the GHF Facebook page and visit the website: www.grasslandheritage.com. The workshops are co-sponsored by Lawrence Public Library.

~ Grassland Heritage Foundation

Have you followed the Year of the Bird? Every month National Audubon suggests new ways to enjoy or support birds and the environment. Here are ideas NAS hatched while JAS was on hiatus.



June: Cut Out the Plastics

In June National made the case for eliminating single-use plastics. For ideas on how: <https://www.audubon.org/yearofthebird>. See also Page 4. National Geographic, a Year of the Bird partner, shared articles on the plastics horror in the oceans and around the globe. Read and be galvanized: <https://tinyurl.com/yal6rebq>

“Seabirds, expending energy their malnourished bodies don’t have, roam farther in search of real food, only to drag back plastic waste to feed their young.”



Laysan Albatross starved to death with a stomach full of plastic.
Chris Jordan.

August: Find Your Park

From the NAS website: This month the Year of the Bird action is to discover our national parks—explore new ones, or revisit favorites. Whatever you do, make this month about appreciating the incredible treasure that is our national park system: <https://findyourpark.com/>

For inspiration on where to go, check out this month’s featured post highlighting 10 surprisingly birdy parks (<https://www.audubon.org/news/10-national-parks-are-surprisingly-great-birding>). (Editor’s note: A quick read with the biggest surprise being that the National Mall is quite birdy with a 260 species list, due to the Potomac River flowing past and some heavily vegetated migrant trap areas. The closest to us on the list is the Indiana Dunes National Lakeshore.) Other parks for summer birding are also suggested: <https://www.audubon.org/magazine/may-june-2016/summer-birding-national-parks>

And be sure to give yourself plenty of time to comb through Audubon’s recent report on the future of birds in our national parks: <https://www.audubon.org/climate/national-parks>. Spoiler: The conclusion isn’t cheery, but it’s not totally dark.

July: Take a Child into Nature

It’s not too late! Even though this action was for July, there is still plenty of fine weather for wandering woods and wetlands. National says:

“We’re smack in the middle of summer, and for many children across the country, that means one thing: no school! Unfortunately, that does not necessarily mean they will spend their free time outside, playing in sprinklers, exploring their local woods and streams, and just generally getting good and dirty. Kids are going outside less and less, and so for this month, our Year of the Bird action is to take a child into nature. Whether it’s your own kid or someone else’s (please ask permission first), devote some time this month to helping at least one child discover and enjoy the beauty and wonder of nature.”

As our members are aware, JAS has been very active in introducing kids and teachers to nature through our Learning About Nature Program (originally Wetland Learners) led by Education Chair Sandy Sanders. But letting your child be in nature to investigate at their own pace and with their own focus is very different from an organized trip. Experiencing nature on your own time and in your own way is invaluable; There may not be as many facts absorbed, but the appreciation, pleasure and sense of ownership will likely be greater.

For all sorts of ideas on how to make outdoor expeditions attractive to our electronic-minded kids visit: <https://www.audubon.org/yearofthebird> and scroll down past August to July. “How to Feed Your Kid’s Urge to Bird,” “Why Kids Are the Future of Our Public Lands,” “Easy Ways to Get Kids Birding,” and suggested field guides for kids are just some of the topics you’ll find.

Now pack up the kiddos and visit Baker Wetlands, or Burcham Park or Clinton, Perry or Mary’s Lakes, or any of the multitude of green places we are so lucky to have nearby. There will be birds there too.

Ed & Cynthia Shaw Memorial Birdathon

The Ed and Cynthia Shaw Memorial Birdathon was held in May, 2018 and honored the couple who were long-time chapter leaders; in fact, Cynthia was a founder. This report and the chapter bird list were sent out to the JAS listserv last May, and are being repeated here for those who are not on the listserv.

Chapter birders scoured woodlands, wetlands, prairies and parks and came up with 166 species! Lists came in from Roger Boyd, Scott Kimball, Kylee Sharp, Nick Pumphrey, and Gary Lechleiter at Baker Wetlands (they found 100 species by 10:15 am and didn't stop there!); Jennifer Delisle in Valley Falls; Galen Pittman, eastern Kansas; David Seibel, Ark City; Jim Bresnahan, Vanessa Carlos, Jill Baringer and Susan Iversen, Kill Creek Park, Burcham Park, Baker Wetlands and the KU Field Station; Richard Bean; Ron & Joyce Wolf; Wayne Kennedy, Burcham; and Linda Lips who "was chasing warblers all over the place!" including Weston Bend, Chicken Creek, Baker Wetlands and Burcham Park!

Our list includes *26 species of warblers, 7 species of vireos, and 12 species of sparrows*. New JAS president Jim Bresnahan pointed out that the list boasts the heaviest bird in North America, Trumpeter Swan, and one of the lightest, Ruby-throated Hummingbird. There isn't room for the list in the newsletter this month, but you can see it on our website: www.jayhawkaudubon.org. Click on the birding tab and then on Birdathon.

Jayhawk Audubon is dedicated to spreading awareness of the key role birds play in our ecosystems in order to engage more people in wildlife conservation. Birdathon is the main fundraiser for JAS outreach and education efforts such as Plants for Birds, Eagles Day, Earth Day, a free Monarch Tagging Event, Natural History Museum/KU Biodiversity Institute Camp Scholarships, monthly programs and newsletters, and our partnerships with allies such as Grassland Heritage Foundation, Audubon of Kansas, The Kaw Valley Native Plant Coalition and others.



Bell's Vireo, on the Birdathon list. US Geological Survey.

So now we appeal to all of you who are able, to please contribute to JAS to support the work. Any amount you can manage will be appreciated and used for our educational efforts. We have no salaries and no office, so every penny is spent to further the mission. Send a check with Birdathon in the memo line to our P.O. Box 3741, Lawrence, KS 66046. **THANK YOU!**

Barb Closes the Covers...at least for now

Barb Watkins, who has introduced us to so many worthwhile, thought-provoking books in these pages, says this month's review will be her last for the foreseeable future. She still does professional book editing, maintains a large, wildlife-friendly garden, cares for pets, dotes on grandchildren, has a bevy of friends, and just needs to free up some time and brain space.

She has benefited JAS by donating her writing to enliven the newsletter. I am personally very grateful for her help and input. Thank you, Barb, for your literary insights.

Come back soon because we'll miss you!

~Susan Iversen, Newsletter Editor



Barb with her beloved Great Pyrenees, Amos Lawrence, (named for the City of Lawrence's founding benefactor). Amos, now deceased, is sorely missed.

Sierra Club Tax Status Clarification

The May newsletter article thanking Gary Anderson for his long, exemplary service as JAS President and VP stated that the Sierra Club could take political action because it was not a non-profit for tax purposes. Gary asked us to clarify that with information on the Sierra Club Foundation (SCF) *which is a non-profit charity*. Thanks for the heads-up Gary! The following explanation of the relationship between the Sierra Club and the Foundation is from the SCF website:

"The Sierra Club Foundation is an independent 501(c)(3) public charity that supports a variety of environmental programs and organizations. SCF is the fiscal sponsor of the Sierra Club's charitable environmental programs. The Sierra Club is the principal, though not exclusive, recipient of SCF's charitable grants. Each year, SCF makes tens of millions of dollars in charitable grants to the Sierra Club. We rely on the generosity of many foundations and thousands of individual donors across the country to help fund hundreds of worthwhile environmental projects nationwide. We ensure that our donors' financial support is used appropriately and effectively to further our charitable mission. By law, SCF retains control and discretion/variance power over all charitable funds received, including how they are disbursed within the purposes for which they were contributed and the unilateral right to select those recipients SCF believes will best accomplish those purposes.

The Sierra Club itself is a 501(c)(4) social welfare organization. As such, gifts to Sierra Club are not tax-deductible. This status allows Sierra Club to engage in legislative lobbying and political advocacy to a much greater extent than most other groups. Sierra Club is able to advocate for strong environmental laws and candidates at the municipal, state, and federal level because of its unique structure. SCF and the Sierra Club maintain robust compliance oversight programs to ensure that no charitable funds from SCF are utilized for non-charitable purposes (unless permitted under SCF's 501(h) lobbying expenditure election). "

The Evolution of Beauty:

How Darwin's Forgotten Theory of Mate Choice Shapes the Animal World – and Us

By Richard O. Prum

Reviewed by Barbara Watkins

The Evolution of Beauty (Penguin Random House, 2017) by Richard Prum, an award-winning author, is a timely reassessment of Darwin's work. Prum draws on evolutionary biology, philosophy, literature, art, and sociology to discuss aesthetic evolution by mate choice in birds and animals and wraps up with final chapters on humans. He argues that "the process of adaption by natural selection is not synonymous with evolution itself. . . [E]volution is frequently far quirkier, stranger, more historically contingent, individualized, and less predictable and generalizable than adaption can explain." The New York Times chose *The Evolution of Beauty* as one of the best nonfiction books of 2017 and described Prum's writing as "lively, literate, and mischievous." The color photos are a fine complement to the book's text.

Richard Prum has been an avid birder since age ten and has seen over a third of the world's 10,000 known bird species. He has conducted research around the world and is currently a distinguished professor at Yale, specializing in evolutionary ornithology. He is also the curator of ornithology at the Yale Peabody Museum of Natural History. From 1991-2003, he was a professor of evolutionary biology and curator of ornithology at the University of Kansas Natural History Museum. For more information about his life and work, see <https://prumlab.yale.edu>

In this ambitious, wide-ranging book, Prum hopes not only to celebrate Darwin's legacy but also to shed "new light on Darwinian ideas that have been neglected, distorted, ignored, and almost forgotten for near a century and a half." He focuses on resurrecting Darwin's aesthetic view of evolution so that we will have "a science capable of explaining the diversity of beauty in nature." Evolutionary biologists began to reassess the issue of mate choice—particularly female mate choice — about the same time (the late 1960s) that women began to protest for equal rights, sexual freedom, and birth control.

Three central chapters focus on bird species: manakins, mandarin ducks, and bowerbirds. "[E]ach of the world's ten thousand plus bird species has evolved its own, unique aesthetic repertoire of ornaments and ... preferences . . ." to attract mates. (Editor's note: There are about 60 species of manakin, all found in New World tropical forests, and approximately twenty species of bowerbirds, all exclusive to New Guinea, Australia and nearby islands.

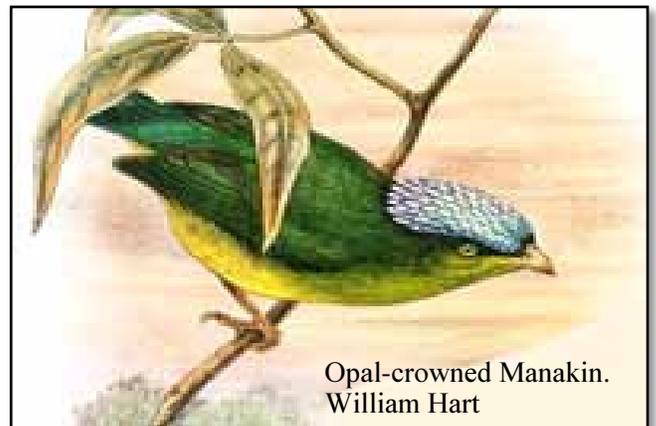
Manakin leks (mating areas) showcase one of "nature's most creative and extreme laboratories of aesthetic evolution." Female manakins have not only transformed "male display repertoires; they've changed the very nature of male social relations." They are a powerful example for other species.

For fear of arrest or deportation, I will not comment on his chapter that deals with "the kinky qualities of duck sex." Prum's research on the subject also got him into trouble. One of his grants was cited in an article titled "Government's wasteful spending includes \$385G Duck Penis Study." In lieu of a discussion, watch this muscovy duck sex video: <https://vimeo.com/8336437>

The chapter on the artistic constructions of male bowerbirds features color photos and illustrations of some of the structures designed to attract mates. To decorate their courting sites, the males use a wide variety of materials "from fruits to fungi, flowers to feathers, berries to butterflies, seedpods to caterpillar poop, . . . candy wrappers and clothes-pins." Here are some other examples of their creations. <https://tinyurl.com/ybf89k6e>

In the final chapters, as in the earlier ones on birds, Prum discusses the implications of sexual selection and the importance of female choice of their mates in human evolution. He draws on Aristophanes' play *Lysistrata* (411 BCE), in which women pledge to abstain from sexual relations with men until they agree to negotiate peace—a timely subject now. He also discusses humans' homosexual relations in a separate chapter in which he cites research documenting that lifetime incidence of all categories of sexual partner violence . . . were significantly lower for men in same-sex relationships than for women in heterosexual relationships."

"The history of beauty in nature is a vast and never -ending story." We have a lot more to learn.



Opal-crowned Manakin.
William Hart

Jayhawk Audubon Society
P.O. Box 3741
Lawrence, KS 66046
Return Service Requested

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American Avocet. A bird commonly seen at Cheyenne Bottoms. See page one for field trip information.
By Narca Moore-Craig.

Become a Member: Just \$20 to join both National Audubon and Jayhawk Chapter.

___ **National Audubon Society membership is \$20.00.** Members receive four issues per year of the Audubon magazine and will be enlisted as members of the Jayhawk Chapter. All members also receive 9 issues of the JAS newsletter per year and are entitled to discounts on the books and feeders we sell to raise funds to support education and conservation projects. (Make your check payable to National Audubon Society and mail to our JAS membership chair at the address below. You may also join National Audubon online at https://secure.audubon.org/site/Donation2?df_id=9431&9431.donation=form1&s_src=2015_AUDHP_topbanner-button-menu.)

___ **Chapter-only membership to Jayhawk Audubon Society is \$10.00.** (Make check payable to Jayhawk Audubon Society.) You will not receive the Audubon magazine. Those with National Audubon memberships are encouraged to support the chapter by voluntarily paying these dues. Chapter membership expires annually in July. JAS is a 501(c)(3) nonprofit organization. Donations are tax deductible.

___ **To join or donate to Audubon of Kansas** make check payable to AOK or use this online link - <http://www.audubonofkansas.org/joindonate/>.

Please send this completed form and your check to JAS Membership Chair at the following address:

Wayne Kennedy, 1308 Crosswinds CT. #1 Lawrence KS 66046. E-mail contact: w.a.k.e.n.n.z@gmail.com .

Name _____; Address _____;
City _____; State _____; ZIP Code (9) digit _____;
Telephone (with Area Code) _____
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Jayhawk Audubon does not share membership information with non-Audubon entities.

C6ZJ020Z