

BlackHawk Watch

Newsletter of the Northern Arizona Audubon Society

Volume XLIX • Number 2 • November - December 2020

November Program Flagstaff and Sedona Facebook LIVE

November 24, 2020

Time: 7:00 pm (Tuesday)

Admission info: Free, no registration required

Location: Facebook LIVE

Instructions will be posted on Northern Arizona Audubon's Facebook page

(<https://www.facebook.com/Northern-Arizona-Audubon-society-678850928825284>) and sent out by email.

Name of presenter: Ruby Hammond

Photograph: Ruby Hammond with Brown-crested Flycatcher

Ruby Hammond will be talking about her dissertation research at Northern Arizona University. Ruby has worked as a field biologist since 2002, mostly conducting ornithological research. She has worked with birds in eleven states and abroad, with her greatest contributions being in HI, AK, and more-recently AZ. In addition to her ornithological interests, she has broadened her research scope to include the social sciences and will have a paper published in spring about the usefulness of bird feeders in increasing connection to nature in 6th graders and their parents. Ruby, independently, and collaboratively, spends a great deal of her free time engaging the public and students of all ages in nature education and exploration activities.



Title of program: Weird woodpeckers of northern Arizona forests

Photo Mariah Letowt, Hairy Woodpecker



Ruby's presentation will focus on her studies of Hairy Woodpecker foraging ecology. In November 2016, she documented Hairy Woodpeckers excavating for food in live trees that were not dead or dying near Sunset Crater National Monument. Because excavation of food in live trees isn't well documented for non-sap-sucking woodpeckers, Ruby has been investigating how tree characteristics such as bark thickness, amount of resin, etc. may be related to woodpecker's and wood-borers' (i.e., woodpecker prey) use of trees. She has also been trying to determine if tree age or growth rate might be related to woodpecker and wood-borer tree use.

Digital World Around Us

By Dennis Tomko

Do you feel as though the world is becoming more digital, more virtual, and less personal? As we move through the "Age of Covid-19", email, Enewsletters, Zoom meetings and the like all seem to be dotting our social



landscapes. This is also true with Northern Arizona Audubon Society where our 2020 member programs are now seen on Facebook Live and our Board meetings are all hosted on Zoom. Whether I like it or not, I find myself hearing the voice of Obi Wan saying "Use the Force, Luke". The force is powerful but unseen and those words could also describe the digital world of our communications these days.

Fortunately, our Audubon chapter has championed digital communications for several years. I guess that is the good side of being spread over much of Northern Arizona. The distance has made it necessary to find ways to non-personally communicate. Like most organizations, we have our website <http://www.northernarizonaaudubon.org>, and we publish various articles there on the home page.

But we go beyond that because we realize that most people are unlikely to check the website on a weekly schedule to see what's new. We have a subscription service that sends subscribers a notice each time an article is published. Additionally, we send an Enewsletter once a month, which also capsulizes website articles and offers a link to the entire publication on the site. But the Newsletter offers more than just that. You will also find articles dealing with current conservation issues, birding activities, program previews, and more. All this comes with the low, low price of zero. Approximately 625 people receive this each month.

We would love to knock on your door and chat about these many topics, but we just can't, so our web posts and Enewsletters are the next best thing to being there. We hope that you take the time to read these virtual visits. We miss seeing you, but we are trying to "be there" anyway. This should also be a two-way relationship and we hope that you know our email address, which is nazaudubon@northernarizonaaudubon.org. Perhaps Obi Wan could have said "Use the keyboard, birder."

Northern Arizona Audubon Society

northernarizonaaudubon.org

Tell your friends



**ALL PROGRAMS FOR FLAGSTAFF AND SEDONA
NOVEMBER WILL BE ON FACEBOOK LIVE**



President's Message

Kay Hawklee

NAAS held our first-ever virtual Monthly programs on the Zoom video conferencing service. The September and October programs can be found by searching Facebook for Northern Arizona Audubon Society, then scrolling down or going to the video page. Tice Supplee gave us an update on the important Audubon study, "Survival by Degrees". Our own Board member, Brent Bitz, toured us around Ethiopia in his talk, "Birding in a Very Ancient Land". Both speakers are outstanding conservationists.

It was a big learning curve to be able to supply our members with these programs via Zoom and Facebook Live, and we were happy to do so. Visit NAAS's Facebook page for upcoming video programs. However, we simply aren't the best experts at new-fangled technology. And we don't have to be because there has been a virtual explosion of online resources that have fledged:

- BirdCast by Cornell has graphics that will blow your mind! Check out Andrew Farnsworth's article with Team BirdCast's model that showed more than half a billion birds migrating on the night of

September 28th. Their real-time migration map complete with directional arrows is the bomb! <https://birdcast.info/category/species-on-the-move/>

- BirdNote provides more education about birds and their behavior than can be absorbed in one sitting. Fortunately it comes in easy to digest, bite-sized kernels. <https://www.birdnote.org/>

- National Audubon's website is the place to learn about what's really going on in the avian world. Remember: "You are what hope looks like to a bird". <https://www.audubon.org/newsletters>

- The best offering of educational programs is at The Cornell Lab of Ornithology's website. "We believe in the power of birds to ignite discovery and inspire action. Join us on a lifelong journey to enjoy, understand, and protect birds and the natural world". <https://www.birds.cornell.edu/home/>

- Many individual Audubon Chapters have produced webinars that are educational. For example, Tucson Audubon has online classes and presentations: <https://tucsonaudubon.org/news-events/>

eBird users created nine times more yard lists this April. YAY! Citizen science is arising. We hope you can expand your world of birds right from your living room during COVID-19. We can't wait until the time when we i.d. birds together, but until then, there's an app for that.

Swainson's Hawks Head South

Roy May

Photo by ebird.org



In late August last year, my wife Janet and I headed to the North Rim of the Grand Canyon to camp for a couple of days. As we cruised through De Motte meadow, we began seeing Swainson's Hawks (*Buteo swainsonii*) perched on the ground. We counted about 60, with several more flying low over the grassland. Undoubtedly, there were many more. These western raptors were gathering for their migration to the pampas of Argentina over 7,000 miles away. Of all the North American raptors, the Swainson's migration is the longest.

Sibley reports that these slender, long-winged hawks are "usually solitary, but migrate in large flocks along favored routes." These routes take them across Yaki Point of the South Rim of the Grand Canyon and southward across Mexico and into Central America and on to South America.

In Costa Rica, where we lived for many years, we annually witnessed thousands of them as they floated over the wooded, coastal plains bordering the Caribbean Sea. The Kéköldi (Cahuita, Talamanca) area is a geographical "funnel" that channels the birds southward. A direct route to Argentina would take them across the Caribbean Sea, but these hawks won't fly over large bodies of water, always preferring to go around them. They depend on thermal uplifts and these don't occur over water.

At night, they usually roost on the ground. With daylight, as the sun begins heating the earth and creating warm thermal columns, the hawks lift off by the hundreds. To see so many birds gradually rising upward in the thermals is a spectacle to behold. Airborne, they glide from thermal to thermal, forming "kettles" of migrating birds that are joined by other raptors.

Yet, these are solitary birds, so why do they flock during migration? The answer is safety in numbers. But this safety has its cost. During migration, these hawks mostly fast—or eat only opportunistically—in order to conserve time and energy, and because the competition for food by so many closely gathered birds could harm their flocking, and thus their safety. So, they fatten up before heading south so that they can flock harmoniously, thus increasing their survival chances. Once on the Argentine pampas,

they gorge themselves especially on large grasshoppers and locusts. However, in the 1990s this put the species on the brink of extinction. Argentine farmers were using highly toxic pesticides to rid their fields of the grasshoppers and locusts. When the hawks consumed these dying or dead pests, they also died of the poison. Fortunately, the practice was stopped before the hawks met their final demise.

In addition to Swainson's Hawks, during September through November, literally thousands of Broad-winged Hawks, Mississippi Kites, Cooper's Hawks, Sharp-shinned Hawks, Kestrels, Peregrine Falcons, and Merlins, as well as Turkey Vultures, fly over the Caribbean plains of Costa Rica. They glide southward through Panama as enormous mixed flocks before making landfall in Venezuela and Colombia. For many years at Kéköldi, the birds were literally counted. The numbers are astounding. One year, for example, 2,131,338 were observed over two months.

One time in Costa Rica during migration season, I observed hundreds of Turkey Vultures migrating along the Caribbean coast. However, a week later I was in Venezuela for a teaching and lecturing assignment, so I took advantage of the visit to see birds. I went to the Caribbean coast north of Maracay in the Henri Pittier National Park. There I witnessed vulture after vulture dropping, exhausted, on the shore. Surely they were the same ones I had seen only days before in Costa Rica (well, probably not, but I like to think so!).

Of course, lots of other species migrate through Central America and on to South America. Over 200 are recorded in Costa Rica. Among them, following the same Caribbean lowland route as the raptors, are the swallows and swifts. Millions of Barn Swallows, Bank Swallows, Cliff Swallows, sometimes Violet-green Swallows, Purple Martins, and Chimney Swifts, all rival in numbers the raptors. They perch in long lines on electric cables and take off in large, swiftly moving flocks.

There are similar "funnels" in Veracruz, Mexico, and, on the other side of the world, Israel functions similarly for European hawks. Hawk Mountain, in Pennsylvania, is the most famous of all such "funnels" because that's where hawk counting (and hawk conservation) began in 1934. Yaki Point also is a "funnel" and counts there have been conducted annually since 1997 (<https://hawkwatch.org/yaki>). Though by comparison with Kéköldi their numbers are far fewer. Yaki averages between 10,000 and 12,000 birds while Hawk Mountain counts only number in the hundreds. If you want to count hawks, visit Costa Rica, or, closer to home, next year join the count at Yaki Point!

Northern Arizona Audubon Society Mission Statement

To promote the understanding and appreciation of birds and other wildlife and the conservation and restoration of their natural habitats.



Northern Arizona Audubon Society Annual Budget



Your Board has recently approved the NAAS annual budget. Thanks to your continued support, we are pleased to report that your Audubon Chapter is in excellent financial shape. The following are some of the highlights of this year's budget:

- Our **fiscal year** runs from July 1 through June 30 so the approved budget equally straddles 2020 and 2021.

- **Business for Birds** currently has two members (Jay's Bird Barn and Five Star Printing) and generates \$650 annually. The Arboretum in Flagstaff decided not to renew.

- **Sales** of our bird guides are forecasted to be \$400. Book sales are continuously declining as birders increasingly use various internet and social media platforms.

- **Member dues** are our main source of income and this is forecasted to be \$6,500. In addition, we receive \$1,878 annually from National Audubon, which reflects a sharing of national dues from our area.

- **Donations** have been budgeted for a modest \$100, a significant reduction from prior years.

- The **BlackHawk Watch newsletter** has an annual cost of \$1,500 for the five editions. We are very fortunate in having Debbie Compton and her Five Star Printing company do the page layout and printing, providing us very favorable production charges.

- Our **bird sanctuary program** continues to be very active with a total budget of \$2,000, which equates to \$500 per sanctuary. This covers ordinary expenses. Any special projects are subject to separate board approval.

- Our **Monthly Meetings** are budgeted at around \$1,520, which covers facility rental and speaker fees as needed.

- The **Education Committee** has a budget of \$1,600, of which \$1,000 is a grant covering our program at Mountain View School.

- **Overhead** that covers accounting software expenses, supplies, liability insurance, credit card fees, website, post office box and storage rentals collectively are budgeted around \$3,900. Your Board has worked hard to keep these costs down.

- **In summary**, total income is expected to be \$10,585 and expenses at \$13,685. This leaves a forecasted deficit of \$3,100. Last year we had a surplus of approximately \$10,000, thanks to generous donations, so we are well positioned to handle this year's loss.

- Your **Board** takes the financial management of the Chapter very seriously. Our goal will be to return the chapter to its usual "break even" position in the near future.

- **Please remember** to renew your membership each year. Our website is set up to allow for easy online renewal using your credit card. Because we use a credit card servicing company, we do not have access to your credit card information.

Staying Connected at Northern Arizona Audubon Society

Here's how we are staying connected at **Northern Arizona Audubon Society (NAAS)**. Tell your friends too:

Website: <http://www.northernarizonaaudubon.org>
In addition to visiting the website, you can subscribe to get updates about new content and articles.

Eblast emails from NAAS



Facebook: Northern Arizona Audubon Society (check this page frequently for updates)
National Audubon Society is at <https://www.audubon.org>

*And if you have a story or article that you would like to share, the **BlackHawk Watch** newsletter is published September, November, January, March and May. Articles are welcome from members and non-members. Send proposed articles to Jenny Barnes at naaspub@gmail.com. The deadline for copy is the 15th of the month.*

NAAS Bird Walks/Field Trips are cancelled. Please read the Eblasts for continuing information.

Here are some links to interesting websites that you can visit until we can go out in the field together again!

<https://www.birdnote.org/>

This is a public media program that brings hope and joy to people with two minute shows each day, as well as podcasts

<https://www.allaboutbirds.org/news/how-to-make-these-next-few-weeks-a-little-easier-courtesy-of-birds/>

This website page has live cams and Virtual birding Around the World with videos, quizzes and sounds for those times when we are staying at home.

And instead of reading about birding, why not write some news of your own? We would enjoy hearing your birding stories to entertain and encourage others. Topics could include how you started birding. Did you have a spark bird? What would you consider your strongest interest or expertise and what resources or tools did you learn from? Where are your favorite birding spots or vacations that you have enjoyed most? Do you have a story about tracking down a rare bird? And of course, there is always the interesting backyard bird watching story and how you have made your home landscapes attractive to birds. Please send your stories here: NAASpub@gmail.com



We will do some editing, if needed, and will post a photo or two with it. There's no need to be shy.

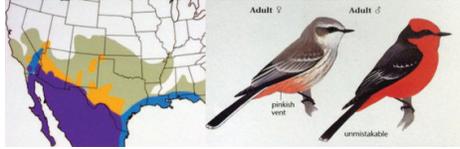




Spotlight on Species



Vermilion Flycatcher / *Pyrocephalus rubinus*



We are fortunate in the Verde Valley to have this small, stocky flycatcher. It is here mostly in the summer but is recorded on ebird year-round and reliable on Christmas Bird Counts. It is a friendly, sweet crowd-pleaser that is easy to spot and get close to.

Habitat: riparian woodland, roadsides, deserts and vineyards

Breeding: cup nest deep in horizontal fork; 2-4 eggs; 2 broods possible. Female builds nest and incubates. Male feeds mate and young, as well as teaching young to hunt

Diet: almost exclusively insects, taking many bees

Field notes: perches low over water, on fences and 5-12 ft over surfaces; often pumps tail; hovers in display flight while foraging, usually returning to same perch. Call a high, sharp pees. Colorful plumage all year

Where to see: Dead Horse Ranch State Park just west of first lagoon

Interesting fact: color fades in captivity

by Lisa Grubbs

Christmas Bird Count 2020-2021

NAAS is not running a CBC this year. In fact, National Audubon Society is the organization that conducts the Christmas Bird Counts (CBCs) through thousands of volunteers who are known as Compilers. They are charged with Compiling the data that is collected by volunteers who count every bird in the area of their assignment. This year there are restrictions that apply due to COVID-19. Some Compilers may or may not conduct the count this year. Please contact individual Compilers if you want to volunteer this year:



Sedona CBC: Rich Armstrong richarmstrong47@gmail.com
Jerome CBC: Rob Gibbs robgibbs54@gmail.com
Camp Verde CBC: Kay Hawlee khawlee@gmail.com.

Happy and safe birding to you all!

CONSERVATION CONVERSATION

Bad Effects of Global Warming on Birds

Phyllis Kegley

Late summer and early fall this year have been extraordinary in my backyard for the number of species of migrating birds I am seeing each day. I attribute it to our being in an extreme drought and these birds not being able to find food and especially water where they normally do. I am seeing my yard as an oasis. A Yellow-breasted Chat, a new yard bird for me, was a big surprise as there are no streams or lakes nearby. As many as 40 Lewis's Woodpeckers have been gathering at a couple of ponds in Flagstaff. This has been exciting for me but also worrisome in that these birds must be really stressed.



Then friends told me they were hearing about large bird die-offs in Colorado and New Mexico. I found an article from the Denver Post which theorized that the deaths were due to extreme heat suddenly changing to cold and snow. "Dead birds were starving, some two-thirds of their normal migrating weight," according to Sam Tabachnik, Denver Post reporter. "Normally, birds don't just die in plain sight. But the winged creatures are being found on bike paths and roads, hiking trails and driveways as if they plopped down from the sky," he added.

And then consider all the birds that lost their lives in the recent forest fires in California and other states. Habitats destroyed. Global warming is having a terrible impact on birds.

Yes, birds entertain us and challenge us to identify them. But they serve a bigger purpose for healthy environments. Migratory birds play an important role in pollination and dispersal of seeds to the different areas that they pass through.

So what can we do? Well, the big election has given us a chance to vote for candidates who promise to protect the environment and will act on that promise. We can write letters to agencies that make decisions that affect birds and bird habitats. We can support nonprofits such as National Audubon Society by donating money and participating in their letter writing campaigns.

Our own chapter of NAS has four birding sanctuaries that occasionally have days where we remove invasive species. Sign up and help with these.

And in your own backyard, please provide plenty of water and food for the birds that are really having a hard time right now. Birders bird but they also must protect.

We are proud to be a supporter of the
Northern Arizona Audubon Society

*Producing and mailing
the "BlackHawk Watch" newsletter*



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Yardie Award Recipients Announcement

Five NAAS members have earned a Yardie Award.
Congratulations to these honorees:

Karin Slavey -- 50 Yardie Award. Karin chose the Blue Jay for her plaque. She fell in love with the beautiful blue pattern on the wings of this Eastern bird when she was stationed in the military in Ohio.



Karen and Charlie Schudson -- 50 Yardie Award. The Schudsons chose the Phainopepla for their plaque in honor of the memory of Janet Wheeler. Janet first showed them this bird and how to pronounce its name.



Janie Stewart --100 Yardie Award. Janie chose the Gambel's Quail for her plaque because she looks forward to seeing the quail families each spring come to her yard on Quail Lane. Her second bird is the Elf Owl, a bird that is rare this far north in the Verde Valley. She spotted her 100th species on the 4th of July!



Danae Dearden -- 100 Yardie Award. Danae is our youngest Audubon member who is only 11 years old! Danae's two birds for her plaque are the Common Raven and the Scarlet Macaw. The raven is one of her favorite birds, following eagles and owls. Danae chose a macaw because parrots are cool, and so colorful!



Claire Wright -- 125 Yardie Award. Rounding out our top honorees is Claire Wright at 125 bird species! Claire's two birds on her plaque are the Lesser Goldfinch and the Harris's Sparrow. The goldfinches are very prolific in her yard. The Harris's Sparrow was a surprise rare bird that showed up at her feeder one day.



The Yardie Award is one of the perks of NAAS membership. It is a tiered honor, starting with 25 species. Any bird you see or hear while standing in your yard counts, whether it is flying overhead or at your neighbor's yard. While some of our recipients have a yard that's an acre in size, two of them live in a zero lot-line apartment. Start tallying today! Contact richarmstrong47@gmail.com for more information.

As demonstrated from these avid yard birders, there are many birds to see right from your windows. This year the Christmas Bird Count Compilers can sure use your yard lists for their counts. It's a great way to stay warm and cozy while counting birds for Citizen Science. Please contact individual Compilers to volunteer to do a yard list this season. Who knows? It might put you on the path to getting a Yardie Award! Sedona CBC-Rich Armstrong richarmstrong47@gmail.com; Jerome-Rob Gibbs robgibbs54@gmail.com; Camp Verde-Kay Hawklee khawklee@gmail.com.



Bird Sightings

by Rich Armstrong



Birds and birders have continued. In the last couple of months, the Verde Valley has had a record number of Baird's Sandpipers, a nice comparison of Western and Clark's Grebes, and the normal American Avocets, Black-necked Stilts, and White-faced Ibis. So far, it's an excellent fall for Lawrence's Goldfinches, Fox Sparrows, and Cassin's Finches. A few people saw a Yellow-throated Vireo, but a Red-eyed Vireo eluded all of us. An Elf Owl and a Broad-billed Hummingbird, both common in Black Canyon City, were found here in the valley. Because of the shutdown, there were no mudflats at Sedona Wetlands and the Page Springs Fish Hatchery was closed.

Therefore, many from the Verde Valley go to Prescott, where birders found Pectoral and Stilt Sandpipers, Semipalmated Plover, Caspian Terns, and other more normal shorebirds. Rarities included Kentucky and Chestnut-sided Warblers and Eurasian Wigeon.

Further away, a first Yavapai record of Lesser Black-backed Gull was seen by a couple at Lake Pleasant, and there were Sabine's Gulls as well.

Ducks and some winter birds have arrived, and we all hope for many rarities this coming season. May all of you continue to bird.

Kachina Wetlands News

Kachina Wetlands now has a Bluebird Trail with six bluebird nest boxes. NAAS member Doug LeVasseur, who has been very active with the North American Bluebird Society, says "The boxes will attract many more bluebirds for years to come. The goal is for the trail to be educational and productive, as well as fun" Please read his entire article on the NAAS website, which also includes a map showing the locations of the boxes installed in August.



Bluebird Boxes by Doug

Bubbling Ponds Preserve and Page Springs Fish Hatchery News

Sanctuary Steward, Rob Gibbs and his wife, Denise have been helping with improvements at Bubbling Ponds Preserve (BPP) and the Page Springs Fish Hatchery.

• The Black Hawk Trail at Bubbling Ponds Preserve has been re-routed to avoid going through the hatchery maintenance facility. It is very clearly marked and well done. The mulched pathway is a good update that goes along the edge of a small, wooded patch that has held rarities in the past, including Louisiana Waterthrush and Yellow-throated Warbler.

• The South Nature Trail of the Page Springs Fish Hatchery is open. They have cleared out cattails around the small pond, widened trails, and added new educational signs, including the many plant identifications signs. Denise and Rob Gibbs have been working on plant identification with the Fish Hatchery folks.

• The Monarch Waystation/Pollinator Garden maintenance at Page Springs Fish Hatchery has continued despite the Hatchery closure. Since March, five volunteer gardeners have taken turns doing weekly watering and other maintenance. Only one male Monarch was sighted at the garden this year. However-- Queen, Painted lady, American lady and other butterfly species produced multiple generations in the garden. Pollinator diversity increased, with many more species of insects, spiders, hummingbirds, and mammals utilizing the garden this year. Volunteers enjoyed observing birds while working in the garden, with good looks at perched Red-tailed Hawk, Common Black Hawk, Osprey, and Great Blue Heron.

• With help from eBird submissions, twenty-nine additional species of birds have been seen since the previous Bubbling Ponds Preserve checklist was done in 2016. Please post your sightings on the eBird Hotspot named: Page Springs Fish Hatchery to help increase the list of species for that hotspot.

NAAS will be honoring the life of Dr. Ross Hawkins once Page Springs Fish Hatchery opens. Northern Arizona Audubon Society will always remember Dr. Ross Hawkins for his unwavering enthusiasm for hummingbirds. Ross created the Hummingbird Society so that people would understand, appreciate and support their protection. We will be dedicating a bench with a memorial plaque that will be installed at the garden near a bush that draws hummingbirds, once the COVID-19 pandemic is over.





New & Renewing Members

Rebecca Jensen
Jennifer Brehler
Gregory Griffin
Margaret Van Cleve
Gary Woods
Susan Thompson
Majken Woods
Marsee Skidmore
Charlene Gier
Maria Denny
Brian Hofstetter
Elaine Vargas
Nathaniel Walberer
Jacob Abel

Joanne Curry
Bill Auberle
Lisa Grubbs
Elizabeth Bruchman
Gretchen Burgess
Gisela Kluwin
Margaret Dyekman
Trina Feldman
Debra Curtis
Tracy Zubrod
Michael Erb
Beth Kingsley Hawkins
Martha Somers

To see when your membership expires, look at the date next to your address on your newsletter.

NAAS Directory

Officers

- *President* Kay Hawklee
- *Vice-President* Dennis Tomko
- *Secretary* Ruby Hammond
- *Treasurer* Joan Stoner

Directors

- *Brent Bitz*
- *Nanette Armstrong*
- *Karin Slavey*
- *Roy May*
- *Jenny Barnes*
- *Patti Greeneltch*

Committee Chairs

- *Membership* Karin Slavey
- *Hospitality/Programs ATR* Janet/Roy May
- *Hospitality/Programs BTR* Nanette Armstrong
- *Education* Patti Greeneltch
- *Editorial* Jenny Barnes
- *ACAC Representative* Dennis Tomko
- *Webmaster* Dennis Tomko
- *Conservation* Brent Bitz

Sanctuary Stewards

- *Steward Bubbling Ponds:* Rob Gibbs
- *Steward Sedona Wetlands:* Rich Armstrong
- *Steward Kachina Wetlands:* Christina Vojta
- *Steward Picture Canyon:* Roy May

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Announcing Audubon Southwest

We are excited to announce a major advancement in our work to protect birds and the places they need, today and tomorrow. As of July 1st, our statewide programs in New Mexico and Arizona have joined to form a single regional program under the title of Audubon Southwest.

Audubon Southwest brings together a team of leading biologists, hydrologists, policy experts, and educators under a shared banner to advance the cause of bird conservation through on-the-ground conservation, scientific advancement, education, and policy change.



As fires burn and rivers run dry, it has never been more apparent that climate change has arrived in our communities and that sound management of our resources and our planet is becoming a fight for survival in a region where life already exists on the margins. The creation of Audubon Southwest is how we plan to rise to meet the urgency of this moment by becoming more efficient and more effective.

Read more at: <https://nm.audubon.org/node/5491>

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BLACKHAWK WATCH
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Have you visited our web site? [northernarizonaaudubon.org](http://www.northernarizonaaudubon.org)



Northern Arizona Audubon Society (NAAS), a non-profit 501(c)3 organization, exists to support a mission and lives and breathes by membership participation and donations. You, as an individual, are the vital component of our organization. You will find that you are supporting a strong, active organization that is making a difference in our world. **The NAAS Board would like to better serve our membership. Tell us why you are a member of NAAS? What benefits do you get from being a member? As a member, what would benefit you more? Please send your thoughts to khawklee@gmail.com**

NORTHERN ARIZONA AUDUBON SOCIETY
Please enroll me/our household as a Chapter Member of Northern Arizona Audubon Society (NAAS).

JOIN US!

Name: _____

Address: _____

City, State, Zip _____

Phone: _____

Email: _____

If you prefer to join or renew on line, please go to our website at <http://www.northernarizonaaudubon.org/>membership>

Enclosed:

Individual \$25
(Northern Flicker)

Check here if this is a change of address

Family \$40
(Gambel's Quail)
Supporting \$100
(Blackhawk)

Please make checks payable to **NAAS** and mail to:
Membership Chair, NAAS
PO Box 1496, Sedona, AZ 86339

I am interested in Volunteer opportunities