

THE ACORN

American River Natural History Association Quarterly Magazine – Summer 2021



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President's Message, Summer 2021



Question: "What should be our goal for calendar year 2021?"

Answer: "How to come back better after Covid!"

There is a light at the end of the tunnel. I am among many in our neighborhood that have received the Covid-19 vaccine. It is a relief to be vaccinated – it feels more than a bit liberating - and I have hope based on news reports that many more community members will be vaccinated in the coming months. I hear reports of schools reopening and expanding in-classroom learning. How wonderful it will be to see the big yellow school busses pulling

up in front of the Effie Yeaw Nature Center again with school children spilling out ready and excited to learn about nature!

What a long journey it has been and what a relief it is to begin to see the end, or perhaps a new normal, on the horizon. Covid-19 has presented so many challenges as well as many unexpected opportunities for the Nature Center. While the Nature Center lost revenue due to the inability to hold in-person educational programs, staff made a rapid transition to on-line programs and explored new educational tools and ways to interact with our members and community.

Staff developed virtual programs. Using cameras, digital microscopes and other technology, our Naturalists converted nearly all programs to virtual/distance learning options. Hybrid online and in-person programs were also created for schools, camps and adult education programs. These programs were met with success and appreciation while adhering to Covid-19 restrictions. The expansion of the Nature Center's social media presence has allowed us to interact with a much wider and more diverse audience than ever before.

Our "pop-up nature centers" have been particularly successful! Together with docents and volunteers, our Naturalists have developed the "pop-up" version of traditionally indoor education opportunities for the public. If you have visited us recently, you have probably seen tables set up at trailheads staffed with knowledgeable people ready to talk about the lower American River Parkway.

The required Nature Center closures of 2020 allowed for the reconfiguration of our Museum and Discovery Store. Read about these in this issue of The Acorn, and be sure to visit and check them out!

When our American River Natural History Association Board discussed goals for the 2021 calendar year, we realized it would be difficult to accomplish new major initiatives while still responding to the challenges of the pandemic. With this in mind, we will focus 2021 efforts on continuing our careful review of revenues and expenses, coordinating Board and staff efforts related to implementation of Strategic Plan goals, and updating our foundation documents and key processes and functions.

This year marks the ten-year anniversary of the American River Natural History Association taking over the management of the Effie Yeaw Nature Center. After ten years of operation, it seems appropriate to review and strengthen our foundations and assure we are in the best position to emerge out of the pandemic refreshed and ready to take on the challenges ahead.

It is our highest hope that these efforts will set the stage for us to come back better after Covid!

Laurie Weir



The Acorn is published quarterly by the American River Natural History Association (ARNHA), a 501(c)(3) non-profit organization that supports the Effie Yeaw Nature Center and Nature Study Area.

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Cover: An acorn woodpecker sticks his head out of the entrance to the family nest.

Photo by Katherine Roberts.

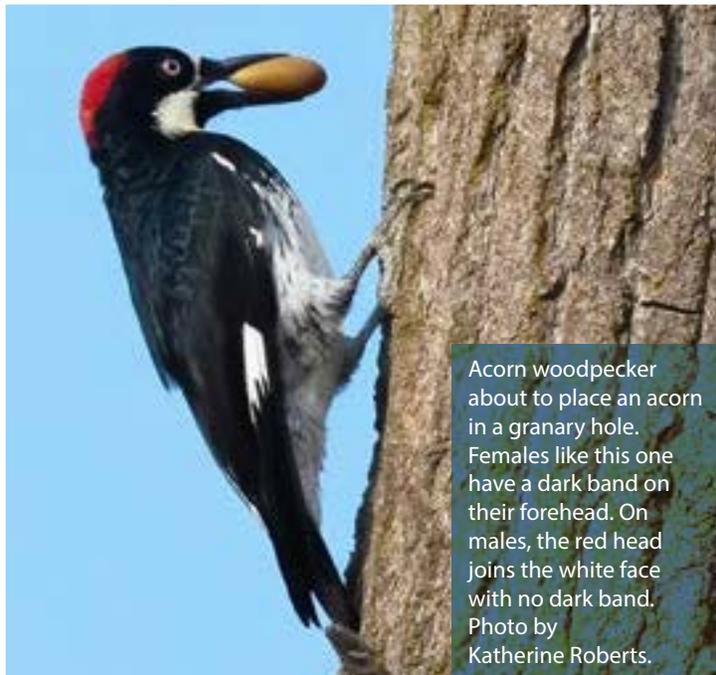
The Social Life of the Acorn Woodpecker

By Mary Louise Flint

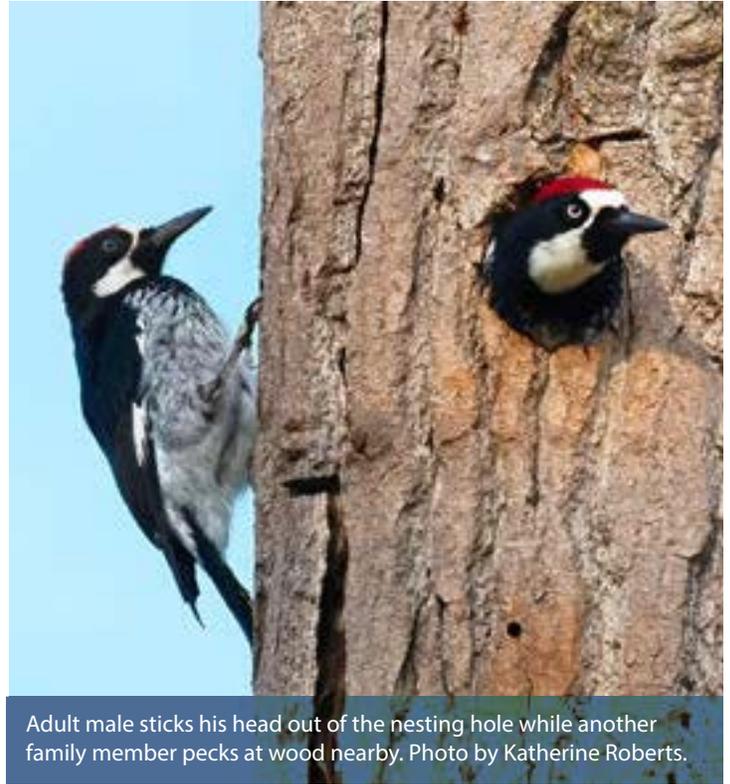
Acorn woodpeckers (*Melanerpes formicivorus*) are ubiquitous at Effie Yeaw Nature Center (EYNC). It's pretty difficult to walk more than 10 yards down a trail without encountering their "waka-waka" call. Their clown-like black and white faces, bobbing red heads, and energetic tree pecking are endearing and have made them not only a favorite at our Nature Study Area but also EYNC's chosen logo.

But how much do you know about the social lives of acorn woodpeckers? It turns out that this species has one of the most complex social arrangements in the animal kingdom. Those groups of woodpeckers you see together in a tree are part of a tightly knit family that lives together cooperatively, often for many years, and breeds in a single nest.

The family group is centered around its granary, one or more large and often dead trees packed with acorns that the family has stored in holes bored along trunks and branches. A single granary tree may have tens of thousands of holes. Although acorn woodpeckers mainly feed on insects, catching them in flight rather than foraging for grubs in wood like other woodpeckers, acorns are a key part of their diet, especially in the winter. The family will spend a substantial amount of its time not only collecting and storing acorns in its granary, but also protecting it from other birds and animals.



Acorn woodpecker about to place an acorn in a granary hole. Females like this one have a dark band on their forehead. On males, the red head joins the white face with no dark band. Photo by Katherine Roberts.



Adult male sticks his head out of the nesting hole while another family member pecks at wood nearby. Photo by Katherine Roberts.

It may take many decades and many generations of acorn woodpeckers to create a large granary. Holes may take 20 minutes to drill and are reused year after year. The family will defend the granary fiercely. The family nest is often built in one of its granary trees.

The entrance to the nest will be a larger hole that leads to a cavity often no bigger than about 5 inches wide and 12 inches deep. The nest is used by the whole family, which may include up to 15 birds squeezed into the nest at a time, and will be used for many years. Large families may also have roosts in other trees.

A long-term study of acorn woodpeckers has been going on at UC Berkeley's Hastings Natural History Reservation in Carmel Valley since 1974. This research, originally led by Walter Koenig of Cornell University and now by Eric Walters of Dominion University, has given us tremendous insight into this woodpecker's behavior. Over 2000 family groups have been followed over the years and more than 6000 birds banded and tracked.



This female woodpecker has caught an insect in flight. Photo by Katherine Roberts.



Using DNA from blood samples, researchers have gained an understanding of the unusual familial relationships among acorn woodpeckers. Family groups include one to seven related breeding males (often brothers) and one to four breeding females who are related to each other (often sisters) but not closely related to the breeding males. These males and females breed with each other until death, lay their eggs in the same nest, and raise the offspring together. This phenomenon (called polygynandry) of multiple male and female birds co-breeding, laying eggs and raising young cooperatively in a single nest is extremely rare among birds.

The family group often also has some adults that do not breed. They are offspring from previous generations that have not found a place as a breeding bird in another colony. They will not be allowed to breed with their parents in their original family group. They are “helpers” and serve important roles collecting acorns, protecting the granary, and raising younger siblings.

When all the breeding females or all the breeding males in a family group have died, a call goes out for replenishment from other acorn woodpecker family groups. This is the chance for the helpers to establish themselves as a breeding bird within a new granary. There is usually considerable competition for these breeding spots, and same-sex birds from several neighboring groups will fight each other, sometimes quite viciously, to win the spot.

The higher quality the granary, the more intense the fight is likely to be. Often two or more same-sex sibling helper birds from one family will battle together as a team. A major battle can last 10 or more hours and draw in as many as 30 spectator birds. The winning birds (usually the team with the most birds) will become breeders at the new territory, and a new family group is established.

Recent investigations have focused on the acorn woodpecker’s social networks. Researchers following tagged birds were amazed to find that many birds (both helpers and breeders) were spending up to 95% of their time off their territory and away from their granaries. What were they doing? Turns out that much of this time was spent spying on other acorn woodpecker groups, trying to understand family relationships and anticipating when breeder vacancies may be coming available so they can be first to fill the spots.

Vocalizations are important. Observant females can learn to identify 40 to 50 birds, and distinguish between related and nonrelated woodpeckers through vocalizations and visual cues. Waka-waka sounds are used to communicate with family members, note territory boundaries and squabble with other birds. When flying in to greet other family members, birds often spread their wings as they land to show their white wing patches, calling out “waka-waka”. Several birds may fly in in succession, converging in a noisy waka-waka gathering.



Two woodpeckers fly in to join others on a granary tree calling out “waka-waka”. Photo by Larry Klink.



The biggest threat for the acorn woodpecker is the loss of their favorite granary tree, the valley oak, *Quercus lobata*. While they happily consume the acorns from other oaks, the valley oak is greatly preferred for granaries and nesting cavities. It takes a valley oak more than 100 years to grow to a size ideal for hosting a family. In the absence of valley oaks, large sycamores, *Platanus racemosa*, may be used. Up around Folsom Lake, where the forest is a mix of blue oak, *Quercus douglasii*, and gray pine, *Pinus sabiniana*, I've noticed dead gray pines hosting good sized granaries. Blue oak bark is apparently too thin and more difficult for the birds to bore acorn holes, although dead branches can be used.

The valley oak is declining throughout California, and its decline is especially evident in our Nature Study Area, which features many towering cadavers of formerly grand trees. Most of our oak trees are interior live oak, *Quercus wislizenii*, which is a good source for acorns but too small for large granaries or nesting. Only a few large healthy valley oaks and a relatively small number of younger trees dot the trails in our reserve. Evergreen oaks, such as interior live oak, are replacing deciduous ones in California because they are more resistant to heat and drought. Without the valley oaks, I fear the long-term outlook for our acorn woodpeckers does not look good.

Last winter one of the large, dead valley oaks in front of EYNC fell down in a storm. County managers feared that two nearby trees might also fall and injure people or structures and took them down in mid-March. These trees were the granary and nesting grounds for a large family of acorn woodpeckers. When they fell, the raucous from the displaced woodpeckers was horrendous. Their stored acorns spilled on to the ground, and deer,

squirrels, scrub jays, turkeys, and other animals swept in to feast. Woodpeckers flew around in a frenzy trying to figure out what to do. Several days later, I watched as the displaced birds wandered around the fallen skeletons of their granary trees, a granary that took decades for their family to build.

I asked Eric Walters what he thought would happen to this family. He said they would try to find another location for a nest, but unless they had some other established granaries, it would be difficult. March, he said, was the worst time to remove a tree because it is so close to breeding season and a time when acorns cannot be collected. There are other large, dead valley oaks nearby, but these are probably already being used by other families. If a breeding vacancy opens up, some birds might find a home. If they can't find a suitable new granary location, the woodpeckers may need to disperse or, perhaps as an act of justifiable revenge, they may decide to build their granary in the side of a building—perhaps the Nature Center itself!

Mary Louise Flint, Ph.D., is a docent at EYNC and Extension Entomologist Emerita at the Department of Entomology and Nematology, UC Davis. Special thanks to Dr. Eric Walters of Dominion University for contributing to this content. To learn more about his work at the UC Berkeley's Hastings Natural History Reservation, see the video from the California Academy of Science at www.youtube.com/watch?v=4cgOVBDrujs.

When landing to greet family members, acorn woodpeckers often spread their wings to display their white spots. Photo by Larry Klink.



Red Caps

by Peter Hayes

This is the busy season for the gaudy, gregarious acorn woodpecker. Whenever oak trees grow in our valley and foothills, one is likely to see and hear it thumping its stout bill against tree trunks or branches.

All this busy work is aimed at assuring that it will eat well. It may be chiseling under the bark looking for burrowing grubs. Or it may be drilling holes in the tree into which it will shove acorns point first, many more than it will ever need this winter.

If such food-storing habits are exaggerated, so is its appearance. Large white wing patches flash as it swoops from tree to tree. And the acorn woodpecker's head is a clown's mask - bright red topknot, white face, black head and yellow bib.

When the woodpecker is rapping on a tree, its stance is not unlike that of a telephone lineman. Each foot is equipped with four toes, two pointing forward and two pointing backwards, along with sharp tailfeathers so it can hang on while leaning back. Its long tongue with a barbed tip can grab insects from under the bark, thereby contributing to the health of a live tree.



Unlike many other birds, the acorn woodpecker gathers in large families, and individuals greet each other with strange behavior. When two birds meet, they bow and scrape and let loose a hoarse, squawking call. They nest in colonies and adults often enter the wrong tree cavity to feed another couple's young, all in a notable spirit of togetherness.



From An American River Almanac, published by the American River Natural History Association (ARNHA). It features nature essays by retired newspaper editor, Peter Hayes and stunning photographs by local photographers and friends of Effie Yeaw Nature Center. The line drawings by Jo Smith and Molly Keller are from another ARNHA book, The Outdoor World of the Sacramento Region. Both books are available at the Effie Yeaw Nature Center Discovery Store and online at SacNatureCenter.net.

**Editor's Note: As the previous article explains, we've learned a lot about the behavior of the acorn woodpecker since Peter Hayes wrote these words more than 20 years ago. For instance, we now know that multiple male and female acorn woodpeckers co-breed and raise young cooperatively in a single nest rather than as "couples" as indicated in the last line of this excerpt. We also know that this woodpecker uniquely prefers to catch its insect prey in flight rather than ferreting out grubs in wood. However, we love Peter Hayes' way with words and passion for the natural world, so we continue to share material from his beautiful books with you.*



Nesting Red-Shouldered Hawks

Photos by James Hargrove

While 2020 was a bizarre and often troublesome year for most of us, the red-shouldered hawks carried on life as usual in the Nature Study Area. In years prior, they had nested in a large snag that was visible from the back porch of the museum building, but that tree has since come down, so they moved over to the large oak just off the main trail. You had to know where to look to see them because their nest was very high in the tree and well covered by leaves and branches.

Local photographer and EYNC enthusiast Jim Hargrove came almost daily for a few months and chronicled the nesting and growth of this hawk family. What follows are a few of the best shots Jim was able to get. The first picture of Mom sitting on the nest was taken on April 28, 2020, although Jim thinks the eggs were laid around March 30. The last picture of the chick fledging was shot on May 26, 2020.



Checking out the photographer.



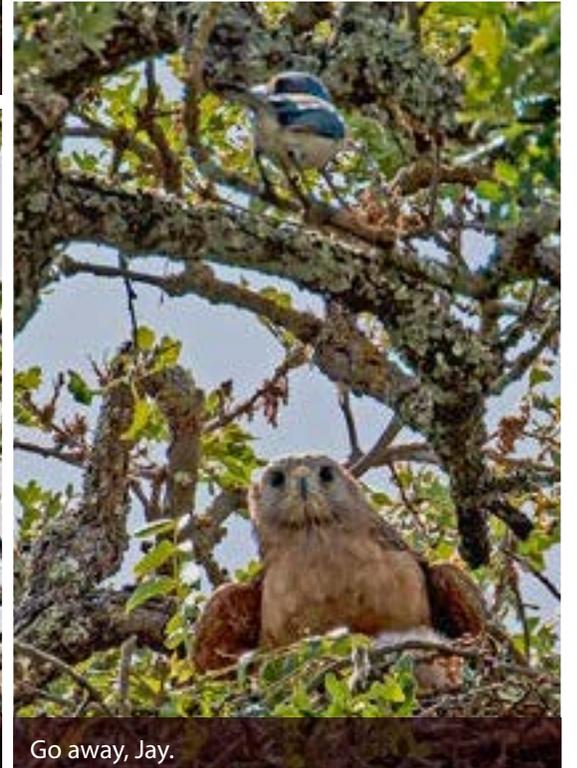
Sitting on the Nest.



Chick.



Thanks, Dad.



Go away, Jay.

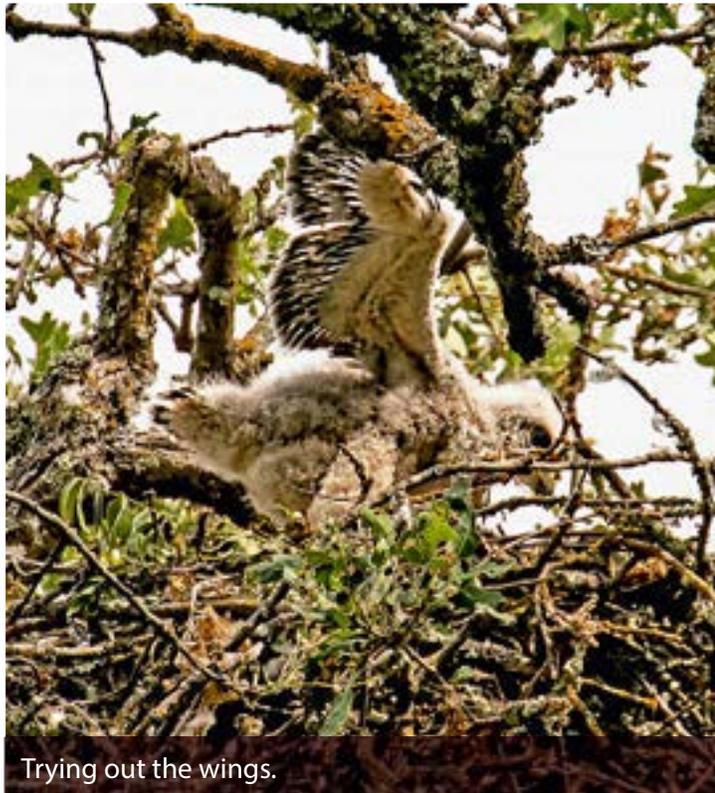




Lunchtime.



Bringing home a lizard.



Trying out the wings.



I can fly—almost.



Effie Yeaw has a New Volunteer Coordinator!

By Mary Louise Flint

Jacqueline Ramirez, Effie Yeaw Nature Center's (EYNC's) new volunteer coordinator, has a bundle of nature education experience under her belt. A native of Visalia and a graduate of UC Santa Cruz, Jacqueline has spent much of the last 10 years helping people connect with the natural world. She joined the EYNC team in mid-February and has hit the road running.

After graduating from college, Jacqueline worked for almost two years at SCICON, Tulare County's unique weeklong overnight outdoor education program for 5th and 6th graders near Sequoia National Park. That was followed by two years in the Peace Corps in Mali, West Africa as an Environmental Extension Agent collaborating with local women's associations and training other volunteers. Returning back to the U.S. in 2012, she served as an environmental educator for students and volunteers at Exploring New Horizons Sempervirens in Boulder Creek focused on redwood forest, marine, mix woodland, and other ecosystems. Most recently, she worked in Yosemite National Park during the school year as an environmental science educator for Nature-Bridge and seasonally as an interpretive park ranger for the National Park Service.

Jacqueline has a passion for the outdoors and tries to spend as much time as possible exploring the natural world. She loves taking trips into the backcountry to get as close to the heart of the wilderness. If the temperature allows, she prefers to sleep under the moon and stars for a better view of the sky and the constellations. One of her favorite activities is to take people on evening hikes to observe the night sky. She loves to tell and hear the stories behind the constellations. She's also passionate about wildflowers and big trees.

Years living among coastal redwoods near Big Basin and giant sequoias in Yosemite have carved a special place for California's ancient redwoods in her heart.

Another thing to know about Jacqueline is that she plays the guitar and loves to sing. Music and science education played a big part in bringing students together at SCICON and the Exploring New Horizons' programs. Jacqueline is grateful to the many talented naturalists, educators, and interpreters that have mentored and inspired her to develop her own style towards nature education. She is thrilled to be a part of the EYNC team of dedicated staff and volunteers that share a passion for nature and science education.



Jacqueline regards her ability to bring people together to create a community as one of her greatest skills. She gets deep satisfaction watching volunteers blossom and gain competence, confidence, and compassion as they take on new roles. She is a great believer in the idea

that a well-organized team is so much more powerful than the sum of its individuals working separately. She can't wait to get to know the EYNC volunteers better and get them engaged in new cooperative projects.

Effie Yeaw Nature Center has about 235 active volunteers who contribute over 10,000 hours a year. Volunteers contribute by serving as docents/nature guides, helping with animal care, staffing the front desk, doing clerical work, walking the trails, maintaining facilities and landscapes, battling invasive plants, helping with fundraising events, and much more. Jacqueline's goal is to be available to support them all and enhance their volunteer experience. If you aren't already a volunteer and would like to become one, contact Jacqueline at JacquelineR@sacnaturecenter.net.



Museum Exhibits Get a Makeover

Text and Photographs by Joey Johnson

While Covid-19 restrictions closed the museum for several months, staff and volunteers put that time to good use sprucing up the area, adding displays, and rearranging things for a better visitor experience. The exhibits focus on Lower American River habitats.

They say the quickest and cheapest way to liven up a space is a coat of fresh paint. The walls of the museum now have colors that coordinate with a particular habitat display, and signage and display bases have been refreshed in coordinating colors. Several engaging animal exhibits have been brought back into the museum to enhance the displays for various habitats.

One section is reserved for a future display featuring salmon and the spawning habitat restoration scheduled to take place in the river next to the Nature Study Area. The Water Forum is hoping to begin this restoration project in the fall at a time when it won't impact spawning. Water Forum staff will collaborate with EYNC staff and volunteers to create an exhibit that will explain the project and the life cycle of salmon in the American River.

Like all museums, this is a work in progress. Staff and volunteers are already working on ideas for updating the interactive components as well as adding fresh new exhibit pieces that will engage visitors so they come away with a greater understanding of life along the Lower American River and a deeper appreciation for nature. At this writing, the museum has reopened and can be visited by small groups to maintain a safe experience for all.



The museum walls have been painted.



Habitats of the Lower American River are featured.





Animals like this coyote and fox enhance exhibits.



Mountain lion looks down on the exhibit hall.



Maidu Nisenan tools and lifestyle are a key element of the museum.



Do you recognize these common Nature Study Area birds?



Molly Keller, Featured Volunteer

By Eric Ross

When you ask people associated with the American River Natural History Association (ARNHA) and Effie Yeaw Nature Center (EYNC) about Molly Keller, an impressive picture emerges.

Former Executive Director Betty Cooper states, "EYNC and ARNHA have been very fortunate to benefit from Molly's great talent, dedication and generous spirit" and she "has made brilliant contributions to our publications, exhibits, and interpretive signage."

Board Member Margaret Leavitt says that as an artist "Molly has an incredible eye for detail, very high standards, and a talent for displaying the natural world."

When you ask Molly about her accomplishments, she quickly deflects attention from herself and points to others who she says deserve recognition. The truth is she deserves lots of accolades for the contributions she's made during her four decades volunteering here.

For starters, many may be unaware that Molly designed the iconic acorn woodpecker logo, which is synonymous with EYNC, graces the Nature Center's website, and adorns the ballcaps worn by our naturalists, docents, and members of the public. Her art can be found in the Visitor Center lobby murals for our Animal Ambassador enclosures, on items sold in the Discovery store, and on trail signs depicting native animals in beautiful, scientific detail.

Molly has been a key contributor to ARNHA publications for many years. As the ARNHA Publications Committee considered producing a 13th Edition of its premier natural history guide, *The Outdoor World of the Sacramento Region*, members recognized that the book's black and white drawings were not ideal for 21st Century readers yet knew that replacing them with photos would make the images too small to be useful.

Molly to the rescue! She used her training in scientific illustration to accurately enhance the late Jo Smith's over 250 original species drawings with color, added some 30 more drawings of her own, and assisted in the editing to get the 13th Edition finalized in 2013. Molly just says, "It was great fun!"



Together with Peggy Kennedy, Molly co-authored another fantastic ARNHA book, *150 Birds of California's Great Valley*, and has contributed illustrations for several others including the new release of *Ooti, Biking and Hiking the American River Parkway*, and a coloring book.

Molly has spent countless hours promoting ARNHA publications and the Nature Center at community outreach events throughout the region. She can be found at an "ARNHA table" decorated with displays of nature while she engages the public, marketing and raising awareness about ARNHA and EYNC with pamphlets and flyers, many of which she has personally designed. Moreover, Molly reliably volunteers at every ARNHA/Gala event, has previously served on the Board, and currently is serving on the Associate Board.

During the pandemic, she helped Executive Director Kent Anderson and staff rearrange the Visitor Center lobby, select attractive new display cases for the Discovery Store, and repaint and reorganize the Museum into two separate areas, one for natural history and the other for Maidu history. As Margaret Leavitt aptly notes, Molly "is always thinking about EYNC and how to make aspects of it more attractive and appealing to visitors."

Thank you, Molly, for being an inspiring volunteer who has truly made a difference!





By Kelly Seck

The giving spirit is a term we hear most around the holidays, but the time to give is always. To give goes beyond objects and the spirit of giving can lead to opportunity, inspiration, and connection.

Giving can take many forms besides monetary donations. Becoming a member, participating in a Discover Nature! Community Program, booking a virtual or in-person educational program, and attending an event are all ways to support the Nature Center while at the same time immersing yourself in our community and engaging with the natural wonders of our area.

Purchase an item from our Discovery Shop and bring your gifts home. We have everything from books to toys, T-shirts, hats, jewelry, and more. The physical shop is located in our Visitor Center, but many books are also available from our [Online Book Shop](#). Every sale provides support for our Nature Center.

Supporting us can be as easy as doing a little online shopping on Amazon! Help us out by purchasing items the Nature Center needs. You can find Effie Yeaw's regularly updated [Amazon Wish List](#) by clicking on this hyperlink. You can even support us when you do your own shopping by using Amazon Smile. Amazon will donate 0.5% of purchases to Effie Yeaw if you shop through smile.amazon.com and choose American River Natural History Association as your charity of choice.

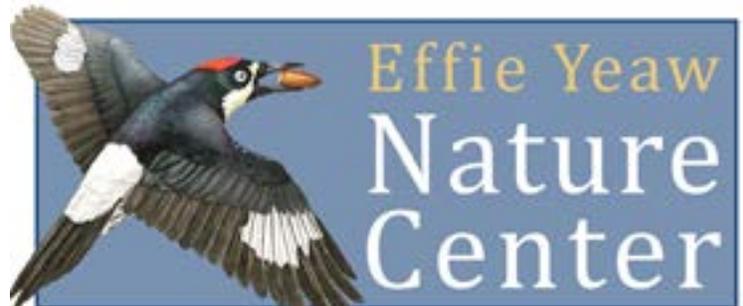
Adopt an animal. When you adopt an [Animal Ambassador](#), your gift goes to care, food, vitamins, medicine,

and veterinary visits for our animals. You can be proud that you are making an animal's life more comfortable because of your contribution.

An intangible and valuable gift that anyone can give is time. Taking a moment to like and share our posts on social media, sharing our events and our story with others, or even offering your time directly to the Nature Center through volunteering can all have a huge impact on our success.

While the ways to give vary, every gift supports our mission and helps create a better experience for every visitor walking through our doors and along our trails.

Kelly Seck is Development, Marketing, and Communications Coordinator for Effie Yeaw Nature Center.



Follow us on Facebook and Instagram to keep up-to-date on the latest happenings at the Nature Center and in the Nature Study Area, discover fun facts about plants and animals, and join us on [Facebook LIVE!](#) for 'Ask a Naturalist' and on [Instagram!](#)



Did you know the Nature Center has a blog featuring fun articles about creatures, critters, and all kinds of life that can be found our region! The blog is also home to our new online environmental education program, '[Ask a Naturalist](#)': [Learn, create, and activate!](#)



Discover our region with activity and nature guides, children's books, and more created and published by the American River Natural History Association—the non-profit organization that runs the Effie Yeaw Nature Center. [Shop Books.](#)



A quarterly digital magazine for members featuring articles about our regional natural world, events at the Nature Center, volunteer features and opportunities, and more! Take a look at [The Acorn archive.](#)

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- Robyn Galanteeh
- Joseph Gallegos
- Marianne Gannon
- Caro Garcia
- Ernest Garcia
- Erika Garcia-Santos
- Barbara Gardner
- Sarah Gardner-Kerss
- Maureen Geiger
- Fatih Gencer
- Michael & Barbara Genovese
- Randy Getz & Pat Mahony
- Mario Giacomotto
- Patrice & Chris Gibson
- Nancy Gilbert
- Poh-lin Gillis
- Simone Glueck
- Ted & Mary Glum
- Susan Goodrich
- Julia Gowin
- Grabowski-Lopez Family
- Jon Grant
- Gary Gravier in memory of Debby Gravier
- Anna Greenwood
- Jay & Deborah Greenwood
- Teri Griffis & Ed Medina
- Barry Grimm
- Katherine & Eli Groppo
- Jane Grossman
- Aditya Gune
- Andrew Hamilton
- Matthew & Gail Hancock
- Gary & Mildred Hanson
- Jim Hargrove
- David Harlow
- Naomi Harper
- Heather Harris
- Ron Harrison
- Joe Hauner
- Heather Hayashi
- Jeremy Heebner
- Mark Heitlinger
- Sandra Hensworth
- Charlotte Henshaw
- Mia Hershiser
- Julian Herszage
- Larry Hickey & Ursula Stehle
- Karim Hirani
- Alexander Hoeffner
- Jenny Hoepner
- Jesse & Megan Holdaway
- Glen Holstein & Susan Torguson
- Diane & Julian Holt
- John Holzhauser
- Rich & Mary Howard
- Rosemary Howard & Tim Anderson
- Grant Hudson
- Elaine Hujambojoie
- Michael Hunt
- Paul Hunt & Angie Gould
- Christine Hunter & Gordon Nash
- Walter Hyatt in memory of Angie Hyatt
- Kristina Ishihara
- Marlene Ishihara
- Michiko Jameson
- Johanna Janes
- Joey Johnson
- Jan Jones
- Roxalie Jones
- Cheri Joseph in honor of Peggy Buckner's birthday
- Suja Joseph
- Susan Just
- Ann Kanter
- Virginia & Eli Kaser
- Dylan Kavanaugh
- Matthew Kawamura
- Gary & Bobbie Keill
- Herbert & Elizabeth Kelly
- Ann Kempees
- Cynthia Kenley



- Peggy & Bruce Kennedy in memory of Don Napoli, Vasile Bozienita, Wendy Covin, Frank Walter, Keith Garevich and Matin Helmke
- Claudia Kenney Carey
- Kathy Kerduš
- Zarmineh Khatcherian
- Saskia Kim
- Linda & Roy Kimura
- Kiwanis Club of Carmichael
- Larry & Donna Klink
- Lise & Tom Knox
- Robert Knudson
- Suzanne Krale
- John Kundrat in honor of Peggy Buckner's birthday
- Dianne Kurtz
- A Kwok
- Michael Kwong
- Karon Larson
- Linda Lasswell in honor of Peggy Buckner's birthday
- John & Kiyoko Latham
- Karla LaZier
- Margaret Leavitt & Alan Lilly
- Hellen Lee
- Claire Legendre-Sholl
- Georgia Leonard
- Brian Lewis
- Christina Lewis
- Barbara & Chris Lezon
- Jason Lindo
- Elizabeth & Schon Logan
- Melanie Loo
- Thomas Louis
- Loveall Foundation for Children
- Teresa Lyday-Selby
- Martha MacBride
- Katie Mack
- Catherine MacMillan
- Stephen Magaghini & Edith Crawford
- Alexandria Mahbobi
- Brenda Main
- Cassie Mallek
- Rod Malloy
- Christina Maradik-Symkowitz
- Robert Marin
- Sandra Marvel
- Marty Maskall
- Jacqueline Matson
- Rosemary Mayfield
- Kristine Mayr
- James McCallum
- Bob McCleary
- Megan McCleary
- Mark McDonell
- Phyllis McGrath
- Linda McIlvoy
- James McMurtry
- Andrea & Althea Meier
- Linda Melching
- Iris Menjivar
- Mary Messenger
- Messenger Publishing Group in honor of Susan Peters
- Robert & Mary Beth Metcalf
- Patti & Mike Michel-Evleth
- Lori Miyasato
- Aaron & Elaine Montag
- Michelle Monteforte
- Erin Montoya
- John Moore
- Racheal Moore
- Manuel Morales
- Rocio Moran in memory of Ruth Fedrau
- Ty Morgan
- James Morgan & Lori Christensen
- Pat & Larry Morris
- Emily Moulton
- Tracy Moyer
- Andrea Murphy
- Marcie Murtha
- Amy Nayadley in honor of Peggy Buckner's birthday
- Jennifer Neale
- Carla Nelson
- Shirley Nelson
- Mark Nemmers
- Cody Newport
- Ann Nguyen
- Nguyen Ponder Family
- Lou and Ellen Nishimura
- Robert & Rebecca Norris
- Micah & Ashley Nunneley
- Cherie O'Boyle
- Mallory O'Connor
- Susie Oh
- Dorothy Orolin
- Duane Orzol
- S. Osborn
- Laura Osecheck
- Robert & Terri Palomba
- Ciara Parenzih
- Patrick Parker
- Elizabeth Parkin
- Milad Pasha
- Lucy Patitucci in memory of Francis "Mugs" McNamara
- John & Dee Peacock
- Gail Philippart
- Steven Phillips
- Angela Picco
- Lynne & David Pinkerton
- Jessica Plaut
- Norbert & Iris Pobanz
- Scott Polisky
- Christy Porter
- Aaron & Alyssa Prohofsky
- Elise & Matt Pugh
- Sabina & Werner Raab
- George & Peggy Rackelmann
- Sarah Rafferty
- Narasimharchari & Haripriya Raghavan
- Amit Rai & Family
- Nancy Raleigh
- Loren Ralph
- Mary Ann Ramos
- Diane Ramsey
- Mary Reed
- Melissa Reisinger
- Kimberley Remen
- Kathryn Reynolds
- Ruth Rezos & Ken Nahigian
- Janet Rezos & Stephen Woodward
- Naomi & John Rice
- Felice Risling
- Valorie Rodriguez
- Randy & Cheryl Roesser
- Cindy Rogers
- Jason and Amy Rogers
- John Rogers
- Margaret & John Rogers
- Lyn Rutan
- Antoinette Sabelhaus
- Jennifer Salaun
- Heidi Sanborn
- Alison & Rob Sawyer
- Samuel & Mary Ellen Scarlett
- Gwenda Schoen
- Lauri Schwein
- Theodore Scott-Femenella
- Sara Sealander
- Katharine Severson
- Gayle & Douglas Sheeks
- Jill & Mike Short in memory of Michael Short
- Tom Silver
- Patricia Simms
- Carol Siu
- Bob & Robyn Slakey
- Amanda Smith
- David Smith in memory of Victoria Smith
- Jennifer Smith
- Linda Smith
- Steve & Janet Smith
- Elizabeth Soderstrom in memory of Sarah Hansel
- John Solie
- Jo Souvignier in memory of Rodney Nystrom
- William & Anne Spaller
- Nora St. John
- Rebecca Starr & Sergio Miramontes
- Laurence Stearns
- Jane Steele
- Kurt Steen
- Joni & Steve Stein
- Morna Stephens
- Craig Stevens
- Ellen Stillman
- Sarah Stoltz & Gregory Herrera
- Dan & Cindy Stone
- Jim & Mary Jo Streng
- Christine Suarez-Murias
- Carol Sutton in memory of Evelyn Barry
- Briana Swain
- Norma Tabatabai
- Patrick Taillon
- Karen Tarp & Eric Ross
- Paul Tebbel
- Nancy & Fred Teichert
- Sabrina Teller
- Jaclyn & Jon Teofilo
- Terry Tice
- Tamara Todd
- Judy Tomlinson in honor of Peggy Buckner's birthday
- Sigrid Trevino
- Marjorie Tuckerman
- Stephanie Turner
- Violet Underwood
- Alicia Valenzuela
- Jillian Van Ness
- David Vanicek & Barbara Zarembinski in memory of Cay Collette Goude
- Dorothy & Patrick Wagner
- Linda Wagner
- Stephen Walker & Sabrina Schultz
- Robert Wall
- Tom & Cheryl Ward in memory of Thomas Ward & Robert Ward
- Dee Warenycia
- Ella and Roger Warloe
- Larry & Jamie Washington
- Lee Washington
- Kathy Webb
- Jacqueline & Richard Webber
- Laurie Weir & Jacek Lisiewicz
- Dana Welch
- Western Health Advantage/ Mark Gilroy
- John & Lori White
- John Whitelaw
- Faith Whitmore in honor of Peggy Buckner's birthday
- Cecilia Whitworth
- Audrey Wiechman
- Rebecca & Mark Wiest
- Betty Wilhelm
- Joseph Williams
- Kate Williams
- Liz Williamson
- Joyce Wilson
- Leigh Wilson
- Dan Winkelman
- Leo & Brenda Winternitz
- David Wong
- Patty Wood
- Katie Woodman
- Adam Woods
- Lucinda Woodward
- Emily Yager
- Bill Yeates in memory of Carol Yeates
- Tsan & Clarissa You
- Diane Young

